search model r2 allplayer

May 27, 2023

```
[]: from sklearn.model_selection import train_test_split
from sklearn.model_selection import GridSearchCV, RandomizedSearchCV
from sklearn.model_selection import cross_val_score
from sklearn import linear_model
import numpy as np
import pandas as pd
from sklearn.metrics import mean_squared_error
from sklearn.metrics import mean_absolute_error
from sklearn.metrics import mean_squared_log_error
```

```
[]:  # player
     player = pd.read csv("../datafrom200/players.csv")
     \# x_list = player.columns[7:-5]
     # x_list = ['Crossing', 'Finishing', 'Heading_Accuracy', 'Short_Passing', ____
      →'Volleys',
              'Dribbling', 'Curve', 'FK_Accuracy', 'Long_Passing', 'Ball_Control',
              'Acceleration', 'Sprint_Speed', 'Agility', 'Reactions', 'Balance',
              'Shot_Power', 'Jumping', 'Stamina', 'Strength', 'Long_Shots',
              'Aggression', 'Interceptions', 'Positioning', 'Vision', 'Penalties',
     #
              'Composure', 'Defensive_Awareness']
     # x_list = ['Ball_Control', 'Sprint_Speed', 'Reactions', 'Stamina', 'Composure',
              'Standing_Tackle', 'Sliding_Tackle'] # xgboost feature selection
     x_list = ['Finishing', 'Short_Passing', 'Dribbling', 'Long_Passing',
            'Ball_Control', 'Acceleration', 'Sprint_Speed', 'Reactions', 'Balance',
            'Shot_Power', 'Stamina', 'Strength', 'Aggression', 'Vision',
            'Penalties', 'Standing_Tackle', 'Sliding_Tackle'] # random forest autou
      →- feature selection
     print(x_list)
     X = player[x list]
     y = player["value"]
     len(x list)
```

```
['Finishing', 'Short_Passing', 'Dribbling', 'Long_Passing', 'Ball_Control', 'Acceleration', 'Sprint_Speed', 'Reactions', 'Balance', 'Shot_Power', 'Stamina', 'Strength', 'Aggression', 'Vision', 'Penalties', 'Standing_Tackle', 'Sliding_Tackle']
```

```
[]: 17
[]: #
          train, test: 0.8, 0.2
     X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,_
      →random_state=21)
     \# X\_validation, X\_test, y\_validation, y\_test = train\_test\_split(X\_test\_val, U)
      \rightarrow y_test_val, test_size=0.5, random_state=23)
[]: # XGBoost
     import xgboost as xgb
     model = xgb.XGBRegressor()
     params = {'learning_rate': [0.1, 0.2, 0.3],
               'max_depth': np.arange(3, 15, 2),
             # 'min_child_weight' : np.arange(3, 15, 2)
               }
     grid_search = GridSearchCV(model, params, cv=10, verbose=2, n_jobs=-1)
     grid_search.fit(X_train, y_train)
     print('Best parameters: ', grid_search.best_params_)
     print('Best cross-validation score: ', grid_search.best_score_)
     best_model = grid_search.best_estimator_
     print('Score on test set: ', best_model.score(X_test, y_test))
    Fitting 10 folds for each of 18 candidates, totalling 180 fits
    [CV] END ...learning_rate=0.1, max_depth=3; total time=
                                                               0.6s
    [CV] END ...learning rate=0.1, max depth=3; total time=
                                                              0.6s
    [CV] END ...learning_rate=0.1, max_depth=3; total time=
                                                              0.6s
    [CV] END ...learning_rate=0.1, max_depth=3; total time=
                                                              0.7s
    [CV] END ...learning_rate=0.1, max_depth=3; total time=
                                                              0.7s
    [CV] END ...learning rate=0.1, max depth=3; total time=
                                                              0.7s
    [CV] END ...learning_rate=0.1, max_depth=3; total time=
                                                              0.7s
    [CV] END ...learning_rate=0.1, max_depth=5; total time=
                                                               1.3s
    [CV] END ...learning_rate=0.1, max_depth=5; total time=
                                                               1.3s
    [CV] END ...learning_rate=0.1, max_depth=5; total time=
                                                               1.0s
    [CV] END ...learning_rate=0.1, max_depth=5; total time=
                                                               1.0s
    [CV] END ...learning_rate=0.1, max_depth=5; total time=
                                                               1.1s
    [CV] END ...learning_rate=0.1, max_depth=5; total time=
                                                               1.1s
```

1.1s

1.2s

1.2s

[CV] END ...learning_rate=0.1, max_depth=5; total time=

[CV] END ...learning_rate=0.1, max_depth=5; total time=

[CV] END ...learning_rate=0.1, max_depth=5; total time=

```
[CV] END ...learning_rate=0.1, max_depth=5; total time=
                                                           1.2s
[CV] END ...learning_rate=0.1, max_depth=7; total time=
                                                           1.7s
[CV] END ...learning_rate=0.1, max_depth=7; total time=
                                                           1.8s
[CV] END ...learning_rate=0.1, max_depth=7; total time=
                                                           1.8s
[CV] END ...learning rate=0.1, max depth=7; total time=
                                                           1.8s
[CV] END ...learning_rate=0.1, max_depth=7; total time=
                                                           1.5s
[CV] END ...learning rate=0.1, max depth=7; total time=
                                                           1.6s
[CV] END ...learning_rate=0.1, max_depth=7; total time=
                                                           1.5s
[CV] END ...learning_rate=0.1, max_depth=7; total time=
                                                           1.4s
[CV] END ...learning_rate=0.1, max_depth=7; total time=
                                                           1.5s
[CV] END ...learning_rate=0.1, max_depth=7; total time=
                                                           1.6s
[CV] END ...learning_rate=0.1, max_depth=9; total time=
                                                           2.4s
[CV] END ...learning_rate=0.1, max_depth=9; total time=
                                                           2.4s
[CV] END ...learning_rate=0.1, max_depth=9; total time=
                                                           2.1s
[CV] END ...learning_rate=0.1, max_depth=9; total time=
                                                           2.0s
[CV] END ...learning_rate=0.1, max_depth=9; total time=
                                                           2.1s
[CV] END ...learning rate=0.1, max depth=9; total time=
                                                           2.0s
[CV] END ...learning_rate=0.1, max_depth=9; total time=
                                                           2.3s
[CV] END ...learning rate=0.1, max depth=11; total time=
                                                            2.6s
[CV] END ...learning_rate=0.1, max_depth=11; total time=
                                                            2.7s
[CV] END ...learning_rate=0.1, max_depth=11; total time=
                                                            2.8s
[CV] END ...learning_rate=0.1, max_depth=11; total time=
                                                            2.8s
[CV] END ...learning_rate=0.1, max_depth=11; total time=
                                                            2.6s
[CV] END ...learning_rate=0.1, max_depth=11; total time=
                                                            2.7s
[CV] END ...learning_rate=0.1, max_depth=11; total time=
                                                            2.6s
[CV] END ...learning_rate=0.1, max_depth=11; total time=
                                                            2.7s
[CV] END ...learning_rate=0.1, max_depth=11; total time=
                                                            2.8s
[CV] END ...learning_rate=0.1, max_depth=11; total time=
                                                            3.0s
[CV] END ...learning_rate=0.2, max_depth=3; total time=
                                                           0.6s
[CV] END ...learning_rate=0.2, max_depth=3; total time=
                                                           0.6s
[CV] END ...learning_rate=0.1, max_depth=13; total time=
                                                            3.8s
[CV] END ...learning rate=0.2, max depth=3; total time=
                                                           0.6s
[CV] END ...learning_rate=0.2, max_depth=3; total time=
                                                           0.6s
[CV] END ...learning rate=0.1, max depth=13; total time=
                                                            4.0s
[CV] END ...learning_rate=0.1, max_depth=13; total time=
                                                            3.6s
[CV] END ...learning_rate=0.2, max_depth=3; total time=
                                                           1.0s
[CV] END ...learning_rate=0.1, max_depth=13; total time=
                                                            4.0s
[CV] END ...learning_rate=0.2, max_depth=3; total time=
                                                           1.1s
[CV] END ...learning_rate=0.2, max_depth=3; total time=
                                                           1.1s
[CV] END ...learning_rate=0.2, max_depth=3; total time=
                                                           1.1s
[CV] END ...learning_rate=0.2, max_depth=3; total time=
                                                           0.9s
[CV] END ...learning_rate=0.2, max_depth=3; total time=
                                                           0.9s
[CV] END ...learning_rate=0.2, max_depth=5; total time=
                                                           1.1s
[CV] END ...learning_rate=0.1, max_depth=13; total time=
                                                            4.3s
[CV] END ...learning_rate=0.2, max_depth=5; total time=
                                                           1.0s
```

```
1.3s[CV] END ...learning_rate=0.1, max_depth=13; total time=
4.3s
[CV] END ...learning rate=0.2, max depth=5; total time=
                                                           1.1s
[CV] END ...learning_rate=0.2, max_depth=5; total time=
                                                           1.0s
[CV] END ...learning rate=0.1, max depth=13; total time=
                                                            4.5s
[CV] END ...learning_rate=0.1, max_depth=13; total time=
                                                            4.6s
[CV] END ...learning rate=0.2, max depth=5; total time=
                                                           1.0s
[CV] END ...learning_rate=0.1, max_depth=13; total time=
                                                            4.2s
[CV] END ...learning_rate=0.1, max_depth=13; total time=
                                                            4.3s
[CV] END ...learning_rate=0.2, max_depth=5; total time=
                                                           1.0s
[CV] END ...learning_rate=0.2, max_depth=5; total time=
                                                           1.1s
[CV] END ...learning_rate=0.2, max_depth=5; total time=
                                                           1.1s
[CV] END ...learning_rate=0.2, max_depth=5; total time=
                                                           1.3s
[CV] END ...learning_rate=0.2, max_depth=7; total time=
                                                           1.8s
[CV] END ...learning_rate=0.2, max_depth=7; total time=
                                                           1.9s
[CV] END ...learning_rate=0.2, max_depth=7; total time=
                                                           2.0s
[CV] END ...learning_rate=0.2, max_depth=7; total time=
                                                           1.9s
[CV] END ...learning rate=0.2, max depth=7; total time=
                                                           1.8s
[CV] END ...learning_rate=0.2, max_depth=7; total time=
                                                           1.9s
[CV] END ...learning rate=0.2, max depth=7; total time=
                                                           1.9s
[CV] END ...learning_rate=0.2, max_depth=7; total time=
                                                           1.9s
[CV] END ...learning_rate=0.2, max_depth=7; total time=
                                                           1.8s
[CV] END ...learning_rate=0.2, max_depth=7; total time=
                                                           1.8s
[CV] END ...learning_rate=0.2, max_depth=9; total time=
                                                           2.5s
[CV] END ...learning_rate=0.2, max_depth=9; total time=
                                                           2.4s
[CV] END ...learning_rate=0.2, max_depth=9; total time=
                                                           2.3s
[CV] END ...learning_rate=0.2, max_depth=9; total time=
                                                           2.4s
[CV] END ...learning_rate=0.2, max_depth=9; total time=
                                                           2.4s
[CV] END ...learning_rate=0.2, max_depth=9; total time=
                                                           2.5s
[CV] END ...learning_rate=0.2, max_depth=9; total time=
                                                           2.4s
[CV] END ...learning_rate=0.2, max_depth=9; total time=
                                                           2.4s
[CV] END ...learning_rate=0.2, max_depth=9; total time=
                                                           2.4s
[CV] END ...learning rate=0.2, max depth=9; total time=
                                                           2.6s
[CV] END ...learning_rate=0.2, max_depth=11; total time=
                                                            3.0s
[CV] END ...learning rate=0.2, max depth=11; total time=
                                                            3.0s
[CV] END ...learning_rate=0.2, max_depth=11; total time=
                                                            3.2s
[CV] END ...learning_rate=0.2, max_depth=11; total time=
                                                            3.2s
[CV] END ...learning_rate=0.2, max_depth=11; total time=
                                                            3.2s
[CV] END ...learning_rate=0.2, max_depth=11; total time=
                                                            3.6s
[CV] END ...learning_rate=0.2, max_depth=11; total time=
                                                            3.7s
[CV] END ...learning_rate=0.2, max_depth=11; total time=
                                                            3.9s
[CV] END ...learning_rate=0.2, max_depth=11; total time=
                                                            3.9s
[CV] END ...learning_rate=0.2, max_depth=11; total time=
                                                            4.0s
[CV] END ...learning_rate=0.3, max_depth=3; total time=
                                                           0.7s
[CV] END ...learning_rate=0.3, max_depth=3; total time=
                                                           0.7s
[CV] END ...learning_rate=0.2, max_depth=13; total time=
                                                            4.9s
```

[CV] END ...learning_rate=0.2, max_depth=5; total time=

```
[CV] END ...learning_rate=0.2, max_depth=13; total time=
                                                            4.9s
[CV] END ...learning_rate=0.3, max_depth=3; total time=
                                                           0.9s
[CV] END ...learning_rate=0.3, max_depth=3; total time=
                                                           0.9s
[CV] END ...learning_rate=0.2, max_depth=13; total time=
                                                            5.1s
[CV] END ...learning rate=0.3, max depth=3; total time=
                                                           0.9s
[CV] END ...learning_rate=0.3, max_depth=3; total time=
                                                           0.8s
[CV] END ...learning_rate=0.2, max_depth=13; total time=
                                                            5.2s
[CV] END ...learning_rate=0.3, max_depth=3; total time=
                                                           1.0s
[CV] END ...learning_rate=0.3, max_depth=3; total time=
                                                           0.9s
[CV] END ...learning_rate=0.3, max_depth=3; total time=
                                                           1.5s
[CV] END ...learning_rate=0.3, max_depth=3; total time=
                                                           1.5s
[CV] END ...learning_rate=0.2, max_depth=13; total time=
                                                            5.6s
[CV] END ...learning_rate=0.3, max_depth=5; total time=
                                                           1.5s
[CV] END ...learning_rate=0.2, max_depth=13; total time=
                                                            5.7s
[CV] END ...learning_rate=0.3, max_depth=5; total time=
                                                           1.8s
[CV] END ...learning_rate=0.2, max_depth=13; total time=
                                                            5.5s
[CV] END ...learning_rate=0.3, max_depth=5; total time=
                                                           1.3s
[CV] END ...learning_rate=0.3, max_depth=5; total time=
                                                           2.2s
[CV] END ...learning_rate=0.3, max_depth=5; total time=
                                                           1.2s
[CV] END ...learning rate=0.3, max depth=5; total time=
                                                           1.2s
[CV] END ...learning_rate=0.3, max_depth=5; total time=
                                                           1.7s
[CV] END ...learning_rate=0.2, max_depth=13; total time=
                                                            5.8s
[CV] END ...learning_rate=0.3, max_depth=5; total time=
                                                           1.6s
[CV] END ...learning_rate=0.2, max_depth=13; total time=
                                                            5.8s
[CV] END ...learning_rate=0.3, max_depth=5; total time=
                                                           1.5s
[CV] END ...learning_rate=0.3, max_depth=5; total time=
                                                           1.6s
[CV] END ...learning_rate=0.3, max_depth=7; total time=
                                                           1.7s
[CV] END ...learning_rate=0.3, max_depth=7; total time=
                                                           1.7s
[CV] END ...learning_rate=0.2, max_depth=13; total time=
                                                            6.4s
[CV] END ...learning_rate=0.3, max_depth=7; total time=
                                                           1.7s
[CV] END ...learning_rate=0.3, max_depth=7; total time=
                                                           1.6s
[CV] END ...learning_rate=0.3, max_depth=7; total time=
                                                           1.8s
[CV] END ...learning_rate=0.3, max_depth=7; total time=
                                                           1.7s
[CV] END ...learning_rate=0.3, max_depth=7; total time=
                                                           1.6s
[CV] END ...learning rate=0.3, max depth=7; total time=
                                                           2.3s
[CV] END ...learning_rate=0.3, max_depth=7; total time=
                                                           2.4s
[CV] END ...learning rate=0.3, max depth=7; total time=
                                                           2.3s
[CV] END ...learning_rate=0.3, max_depth=9; total time=
                                                           2.3s
[CV] END ...learning_rate=0.3, max_depth=9; total time=
                                                           2.4s
[CV] END ...learning_rate=0.3, max_depth=9; total time=
                                                           2.3s
[CV] END ...learning_rate=0.3, max_depth=9; total time=
                                                           2.5s
[CV] END ...learning_rate=0.3, max_depth=9; total time=
                                                           2.5s
[CV] END ...learning_rate=0.3, max_depth=9; total time=
                                                           3.5s
[CV] END ...learning_rate=0.3, max_depth=9; total time=
                                                           2.6s
[CV] END ...learning_rate=0.3, max_depth=9; total time=
                                                           2.4s
[CV] END ...learning_rate=0.3, max_depth=9; total time=
                                                           2.5s
[CV] END ...learning_rate=0.3, max_depth=9; total time=
                                                           3.5s
[CV] END ...learning_rate=0.3, max_depth=11; total time=
                                                            3.2s
```

```
[CV] END ...learning_rate=0.3, max_depth=11; total time=
                                                               3.2s
    [CV] END ...learning_rate=0.3, max_depth=11; total time=
                                                               4.6s
    [CV] END ...learning_rate=0.3, max_depth=11; total time=
                                                               3.3s
    [CV] END ...learning rate=0.3, max depth=11; total time=
                                                               4.6s
    [CV] END ...learning_rate=0.3, max_depth=11; total time=
                                                               3.4s
    [CV] END ...learning rate=0.3, max depth=11; total time=
                                                               3.3s
    [CV] END ...learning_rate=0.3, max_depth=11; total time=
                                                               3.5s
    [CV] END ...learning_rate=0.3, max_depth=11; total time=
                                                               4.2s
    [CV] END ...learning_rate=0.3, max_depth=13; total time=
                                                               4.2s
    [CV] END ...learning_rate=0.3, max_depth=13; total time=
                                                               3.8s
    [CV] END ...learning_rate=0.3, max_depth=13; total time=
                                                               4.4s
    [CV] END ...learning_rate=0.3, max_depth=13; total time=
                                                               3.9s
    [CV] END ...learning_rate=0.3, max_depth=13; total time=
                                                               3.9s
    [CV] END ...learning_rate=0.3, max_depth=13; total time=
                                                               3.7s
    [CV] END ...learning_rate=0.3, max_depth=13; total time=
                                                               3.5s
    [CV] END ...learning_rate=0.3, max_depth=13; total time=
                                                               3.6s
    [CV] END ...learning_rate=0.3, max_depth=13; total time=
                                                               3.5s
    [CV] END ...learning_rate=0.3, max_depth=13; total time=
                                                               3.6s
    Best parameters: {'learning rate': 0.3, 'max depth': 3}
    Best cross-validation score: 0.8760604744535361
    Score on test set: 0.9010435817311566
[]: # Catboost
     import catboost
     model = catboost.CatBoostRegressor()
     params = {'depth' : [16],
                 # 'iterations' : [500, 1000, 1500],
                 # 'learning_rate' : [0.01, 0.02, 0.03],
                 # 'subsample' : [0.7, 0.8, 0.9, 1]
     grid_search = GridSearchCV(model, params, cv=5, verbose=2, n_jobs=4)
     grid_search.fit(X_train, y_train)
     print('Best parameters: ', grid_search.best_params_)
     print('Best cross-validation score: ', grid_search.best_score_)
     best_model = grid_search.best_estimator_
     print('Score on test set: ', best_model.score(X_test, y_test))
[]: import lightgbm as lgb
     model = lgb.LGBMRegressor()
     params = {'n_estimators': np.arange(100, 1100, 200),
                 'max depth': np.arange(3, 16, 4),
```

3.3s

[CV] END ...learning_rate=0.3, max_depth=11; total time=

```
'subsample': [0.7, 0.8, 0.9, 1],
    'colsample_bytree': [0.7, 0.8, 0.9, 1],
    'learning_rate': [1e-5, 1e-3, 1e-1],
    'num_leaves': np.arange(10, 110, 20)}

grid_search = GridSearchCV(model, params, cv=5, verbose=2, n_jobs=-1)
grid_search.fit(X_train, y_train)

#

print('Best parameters: ', grid_search.best_params_)
print('Best cross-validation score: ', grid_search.best_score_)

#

best_model = grid_search.best_estimator_
print('Score on test set: ', best_model.score(X_test, y_test))
```

Fitting 5 folds for each of 4800 candidates, totalling 24000 fits [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=100, num leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=100, num leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=100, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=50, subsample=0.8; total time= 0.1s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=100, num leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=100, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time=

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=300, num leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.2s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=300, num leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= 0.2s

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=30, subsample=0.9; total time= colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,
n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s[CV] END
colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time= 0.2s

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=300, num leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num leaves=90, subsample=0.7; total time=

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,
n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,
n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.3s[CV] END
colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total_time= 0.3s

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=500, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.3s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=500, num_leaves=10, subsample=0.9; total time=

n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=500, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=500, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,
n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.3s[CV] END
colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.3s

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=500, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.3s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=500, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=500, num leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=500, num leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.4s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.9s

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=700, num leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=900, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=900, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=900, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=900, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=50, subsample=0.7; total time= 0.7s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=900, num leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=900, num leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n estimators=900, num leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=100, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=90, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,
n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,
n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END
colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.1s

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=100, num leaves=30, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=100, num leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,

n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,

n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=70, subsample=0.7; total time= 0.7s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=100, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,

n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,
n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,
n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,
n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,
n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END
colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time= 0.3s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=300, num leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=300, num leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=300, num leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=300, num leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=300, num leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=70, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=300, num leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=300, num leaves=90, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=500, num leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=500, num leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=500, num leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=500, num leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 2.0s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=70, subsample=0.7; total time= 1.4s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=500, num leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, 1.4s n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.2s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.1s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=500, num leaves=90, subsample=0.8; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=700, num leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=90, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=90, subsample=0.9; total time= 2.5s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=700, num leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=700, num leaves=10, subsample=1; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.2s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=700, num leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=700, num leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num_leaves=50, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.3s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.4s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.9s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=700, num leaves=70, subsample=0.9; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=700, num leaves=90, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 1.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=700, num leaves=90, subsample=0.8; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 1.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num leaves=10, subsample=0.8; total time=

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,

n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=900, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=50, subsample=0.7; total time= 2.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.0s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= 2.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,

n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=70, subsample=0.8; total time= 3.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=900, num leaves=70, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.9s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,

n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7,
n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.6s[CV] END
colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.7; total_time= 0.1s

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=100, num leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=100, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n estimators=900, num_leaves=90, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=100, num leaves=50, subsample=1; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=100, num leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s

```
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n estimators=300, num leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11,
n estimators=300, num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time=
colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
```

n_estimators=100, num_leaves=90, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s[CV] END
colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.8; total time= 0.3s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=300, num leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=300, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=300, num_leaves=30, subsample=0.9; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=300, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=90, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=300, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=90, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=90, subsample=1; total time= 1.2s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time= 1.2s[CV] END
colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500,
num_leaves=10, subsample=0.8; total_time= 0.5s

[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.9s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num_leaves=30, subsample=0.7; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,

n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num leaves=30, subsample=1; total time= colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num_leaves=30, subsample=1; total time= 0.8s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.4s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.4s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=500, num_leaves=90, subsample=0.7; total time= 2.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.3s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= 2.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num leaves=90, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=500, num leaves=90, subsample=0.9; total time= 2.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.2s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num_leaves=10, subsample=0.9; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= 2.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,

n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= 1.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,

n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.9s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.1s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=70, subsample=0.9; total time= 2.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=0.7; total time= 3.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= 3.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 3.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 3.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=0.9; total time= 3.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num_leaves=90, subsample=0.9; total time= 3.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=0.9; total time= 4.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=900, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.8s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.5s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.1s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.2s[CV] END
colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.8; total_time= 2.5s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=900, num leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=900, num leaves=50, subsample=1; total time= 2.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num_leaves=70, subsample=0.7; total time= 4.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.0s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=900, num leaves=70, subsample=0.8; total time= 3.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.0s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 5.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num_leaves=70, subsample=0.9; total time= 4.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n estimators=900, num leaves=90, subsample=0.7; total time= 5.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 4.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num_leaves=90, subsample=0.8; total time= 5.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 4.9s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.4s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 4.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=30, subsample=1; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=50, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num leaves=50, subsample=0.9; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,

n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,

n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,

n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,

n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,

n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,

n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,

n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=500, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,

n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=30, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= 0.9s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=500, num leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=500, num leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=500, num leaves=70, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num_leaves=90, subsample=0.7; total time= 2.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=90, subsample=0.7; total time= 2.5s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=500, num leaves=90, subsample=0.8; total time= 2.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=500, num_leaves=90, subsample=0.9; total time= 2.3s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=10, subsample=1; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.2s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=50, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.1s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.0s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=70, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.0s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=90, subsample=0.7; total time= 3.7s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=90, subsample=0.7; total time= 4.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 3.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=90, subsample=0.8; total time= 4.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.4s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=700, num leaves=90, subsample=1; total time= 3.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= 4.1s

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.4s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.8s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.5s[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=50, subsample=0.7; total time= 2.9s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.1s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.6s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= 3.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.4s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,

n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=0.8; total time= 4.7s[CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=0.9; total time= 4.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= 4.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 4.9s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.3s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.5s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.6s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.0s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,

```
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               5.6s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3,
n estimators=100, num leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n estimators=100, num leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3,
n estimators=100, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                             0.1s[CV] END
colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900,
num leaves=90, subsample=0.9; total time=
```

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,

n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=100, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,

n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=90, subsample=0.9; total time= 4.7s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=100, num leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,

n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,
n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s[CV] END
colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time= 0.1s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=90, subsample=0.7; total time= 0.1s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=100, num leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=90, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= 5.3s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=300, num leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=300, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=300, num leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=300, num leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=300, num leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=300, num leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=300, num leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.3s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=500, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.3s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.4s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num leaves=30, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.3s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num_leaves=50, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,

n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500,

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=500, num leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=700, num leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=700, num leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=700, num leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.9s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=700, num leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=700, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,

n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700,

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=700, num leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=700, num leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.4s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=900, num leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=900, num leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=900, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=900, num leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,

n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=900, num leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3,

n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=100, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=100, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=100, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num leaves=50, subsample=0.8; total time=

[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,

n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,

n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=100, num leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=100, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,

n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=300, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,

n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=50, subsample=0.9; total time= 0.7s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=300, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,

n_estimators=300, num_leaves=50, subsample=1; total time= 0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=300, num_leaves=50, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=300, num_leaves=50, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.8s[CV] END
colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time= 0.9s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=300, num leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=300, num leaves=90, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time=

```
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=500, num leaves=10, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                              0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                              0.8s[CV] END
colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=500,
num_leaves=30, subsample=0.7; total time=
```

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,

n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=500, num leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=500, num leaves=50, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,

```
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=1; total time=
                                                             1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=1; total time=
                                                             1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=500, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=500, num leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
```

```
n_estimators=500, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=500, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=500, num leaves=90, subsample=0.8; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=500, num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
```

n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,

```
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=700, num leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
```

n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=50, subsample=0.8; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=700, num leaves=70, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,

```
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=70, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=700, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=700, num leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
```

n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=900, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,

```
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=900, num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                              1.9s[CV] END
colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n estimators=900, num leaves=30, subsample=1; total time=
                                                             1.8s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=7,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
```

2.9s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num_leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=50, subsample=0.9; total time= 2.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=900, num leaves=50, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.4s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.7s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= 3.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num_leaves=90, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300, num_leaves=30, subsample=0.7; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300, num leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s

```
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
                                                             0.5s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=50, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11,
n estimators=300, num leaves=50, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                              0.8s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11,
n estimators=300, num leaves=50, subsample=0.9; total time=
                                                              0.9s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               1.0s[CV] END
colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300,
num_leaves=50, subsample=1; total time=
```

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= 0.9s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300, num leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=90, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=10, subsample=1; total time= colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.9s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num_leaves=50, subsample=0.7; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s[CV] END colsample bytree=0.7, learning rate=0.001, max_depth=11, n estimators=700, num_leaves=10, subsample=0.9; total time=

[CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=10, subsample=1; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.4s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num_leaves=50, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num_leaves=70, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.4s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=90, subsample=0.7; total time= 3.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=90, subsample=0.7; total time= 4.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=90, subsample=0.8; total time= 4.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=10, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.2s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= 4.5s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=30, subsample=0.8; total time= 2.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=900, num leaves=30, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.6s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=50, subsample=0.9; total time= 3.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=70, subsample=0.8; total time= 4.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.1s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= 4.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 4.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=900, num leaves=90, subsample=0.8; total time= 5.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=90, subsample=0.8; total time= 5.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num_leaves=10, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning_rate=0.001, max_depth=15,

n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,

n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num_leaves=50, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num leaves=50, subsample=1; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.6s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100,

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=300, num leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300,
num_leaves=10, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=300, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,

n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s[CV] END
colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300,
num_leaves=30, subsample=0.9; total time= 0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=300, num leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=300, num leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.4s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=300, num leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=500, num leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=500, num leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= 1.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=500, num leaves=70, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.4s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.4s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=90, subsample=0.7; total time= 3.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=500, num leaves=90, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=700, num leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=700, num leaves=10, subsample=1; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num_leaves=30, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=700, num leaves=50, subsample=0.7; total time= 2.2s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num_leaves=50, subsample=0.7; total time= 2.3s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.5s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=50, subsample=1; total time= 2.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.5s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.3s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num_leaves=70, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.6s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=90, subsample=0.7; total time= 4.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=700, num leaves=90, subsample=0.7; total time= 4.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 3.5s[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=700, num leaves=90, subsample=0.8; total time= 4.1s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num_leaves=90, subsample=0.9; total time= 3.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=10, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=1; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time=

```
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n estimators=900, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                              2.5s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n estimators=900, num_leaves=50, subsample=0.7; total time=
colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
```

[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.5s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.7s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= 2.7s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.6s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=900, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= 3.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= 3.7s[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.0s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.001, max depth=15, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 5.3s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 5.5s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.6s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.4s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.2s [CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,

```
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                              4.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               4.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=70, subsample=0.8; total time=
                                                               5.7s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n estimators=900, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                              4.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
                                                             4.4s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                              5.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               5.5s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               5.3s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               5.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               5.6s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=90, subsample=0.8; total time=
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n estimators=900, num leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample bytree=0.7, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
```

```
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7;
total time=
             0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
```

```
learning rate=0.1, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8;
total time=
             0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=30, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8;
```

[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.7,

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=50, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.9; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1;
total time=
             0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
```

```
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9;
total time=
              0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=90, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                           0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=10, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9;
total time=
             0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
```

```
num_leaves=30, subsample=0.9; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=30, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                           0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=50, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8;
total time=
            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time= 0.2s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time= 0.2s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=500,
num_leaves=10, subsample=0.8; total time=
                                           0.3s[CV] END colsample_bytree=0.7,
learning rate=0.1, max depth=3, n estimators=500, num leaves=10, subsample=0.8;
total time=
             0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=500,
num_leaves=10, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                           0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.7; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.7; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                           0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
```

```
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
```

```
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.9; total time=
                                           0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                           0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                         0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                           0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
```

```
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
```

```
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.5s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=10, subsample=1;
total time=
             0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
```

```
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.5s[CV] END colsample_bytree=0.7,
learning rate=0.1, max depth=3, n estimators=700, num leaves=50, subsample=0.8;
total time=
             0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
```

[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,

```
0.4s
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=70, subsample=0.9; total time=
                                           0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                           0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                           0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
```

```
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=90, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
```

```
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time= 0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=30, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                        0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
```

```
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
```

```
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
```

```
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                        0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                           0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=10, subsample=1;
total time=
             0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.7,
```

```
total time=
             0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=90, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.1s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=30, subsample=1;
total time=
             0.1s
```

learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=10, subsample=1;

[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,

num_leaves=30, subsample=0.9; total time=

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=50, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
                                            0.2s
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                           0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8;
total time=
             0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
```

```
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time= 0.2s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=90, subsample=1;
total time=
             0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=10, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                        0.3s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=50, subsample=1; total time=
                                        0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time= 0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time= 0.5s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
                                            0.4s
num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s[CV] END colsample_bytree=0.7,
learning rate=0.1, max depth=7, n estimators=500, num leaves=10, subsample=0.8;
total time=
              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=10, subsample=1; total time= 0.4s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9;
total time=
             0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
```

0.5s

num_leaves=30, subsample=0.8; total time=

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                         0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.5s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9;
total time=
              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
```

```
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time= 0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=500,
```

```
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=10, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                         0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                         0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
0.7s
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time= 0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
0.7s
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time= 0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                         0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                         0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=90, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                         0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time= 0.9s[CV] END colsample_bytree=0.7,
learning_rate=0.1, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8;
total time= 0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
                                            0.9s
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                           0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         1.1s
```

0.7s

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.0s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=50, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.0s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=900,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                         1.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time= 1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=70, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                         1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=7, n estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.0s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=100, num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                         1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=90, subsample=1; total time=
                                          1.0s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=100, num leaves=30, subsample=0.8; total time=
                                                              0.2s[CV] END
colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=100, num_leaves=30, subsample=1; total time=
                                                             0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
                                                             0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=100, num leaves=50, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=50, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=100, num leaves=50, subsample=0.8; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=100, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=70, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=100, num leaves=70, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=70, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=100, num leaves=70, subsample=0.9; total time=
                                                               0.3s[CV] END
colsample bytree=0.7, learning rate=0.1, max depth=11, n estimators=100,
num_leaves=70, subsample=0.9; total time=
```

[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=11, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.1, max depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
                                                               0.2s
n_estimators=100, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=100, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time=
                                                             0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.3s[CV] END
colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
```

[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,

```
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
                                                             0.3s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=30, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=300, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=50, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=50, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=300, num_leaves=50, subsample=1; total time=
                                                             0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=70, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=70, subsample=0.8; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
                                                             0.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=90, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.4s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END
colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=10, subsample=0.9; total time= 0.4s

[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=11, n estimators=500, num leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n estimators=500, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.7s

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.0s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=70, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=500, num leaves=70, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                              0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                              0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=500, num leaves=70, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                              0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=90, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=500, num leaves=90, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=500, num leaves=90, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
                                                             0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
                                                             0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.7s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=700, num leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=10, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=10, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=700, num leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
colsample bytree=0.7, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=1; total time=
```

[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,

```
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
                                                             1.2s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             1.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=10, subsample=0.7; total time=
                                                              0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=10, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=700, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                              0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=10, subsample=0.9; total time=
                                                              0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
                                                             0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=70, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=70, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=70, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
```

```
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n estimators=900, num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                             0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
```

```
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=1; total time=
                                                            0.2s[CV] END
colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.3s
```

[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=50, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=50, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=50, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                              0.3s[CV] END
colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
```

```
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=70, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=70, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=70, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                               0.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=1; total time=
                                                             0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=90, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                               0.4s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
```

```
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=90, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=90, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=90, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=100, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=10, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=300, num leaves=10, subsample=0.7; total time=
                                                              0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
```

```
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=300, num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
                                                             0.3s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=300, num leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                              0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=30, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=300, num leaves=30, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
```

n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=30, subsample=1; total time= 0.5s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= 0.6s[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n estimators=300, num_leaves=50, subsample=0.8; total time=

[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n estimators=300, num leaves=50, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time=

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=300, num leaves=70, subsample=0.7; total time=
                                                              0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=70, subsample=0.8; total time=
                                                              0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                              0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=70, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=300, num leaves=70, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=300, num leaves=70, subsample=1; total time=
                                                             0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                              0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                              0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                              0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=90, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=300, num leaves=90, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                              0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=500, num leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                              0.5s[CV] END
colsample bytree=0.7, learning rate=0.1, max depth=15, n estimators=500,
num_leaves=10, subsample=0.7; total time=
```

[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,

```
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=500, num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=500, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=30, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=500, num leaves=30, subsample=0.8; total time=
                                                              0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                              0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                              0.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
```

```
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                              1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                              1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                              1.0s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=500, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                              1.0s[CV] END
colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
```

[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n estimators=500, num leaves=50, subsample=0.8; total time= 1.1s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.0s

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
                                                             1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=500, num leaves=70, subsample=0.7; total time=
                                                               1.3s[CV] END
colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500,
num leaves=70, subsample=0.8; total time=
```

[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n estimators=500, num leaves=70, subsample=0.9; total time= 1.1s[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,

```
n_estimators=500, num_leaves=70, subsample=1; total time=
                                                             1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
                                                             1.2s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=90, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=90, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
```

```
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=10, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=10, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=1; total time=
                                                             0.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=1; total time=
                                                             0.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
```

```
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=30, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
                                                             1.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
```

```
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
                                                             1.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
```

```
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             1.8s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=700, num leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.6s[CV] END
colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
```

[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n estimators=700, num leaves=90, subsample=0.9; total time= 1.7s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=1; total time=
                                                             1.7s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=90, subsample=1; total time=
                                                             1.6s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=10, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=900, num leaves=10, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=900, num leaves=10, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=1; total time=
                                                             0.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=1; total time=
                                                             0.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             2.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=900, num leaves=30, subsample=1; total time=
                                                             2.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.0s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                              2.0s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               2.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
                                                               2.3s
n_estimators=900, num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               2.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=50, subsample=0.9; total time=
                                                              2.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=900, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                              2.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=900, num leaves=70, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                              2.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=70, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               2.2s
```

```
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.7s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.9s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=900, num leaves=70, subsample=0.9; total time=
                                                               2.3s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               2.4s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=70, subsample=1; total time=
                                                             2.6s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               2.8s
[CV] END colsample bytree=0.7, learning rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               2.9s
[CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample bytree=0.7, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               2.8s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               2.5s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3,
n estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               2.3s
```

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=10, subsample=1; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n estimators=900, num_leaves=90, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.2s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=30, subsample=0.9; total time= 0.1s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=30, subsample=1; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.7, learning rate=0.1, max depth=15, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3,

n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=100, num leaves=90, subsample=1; total time= 0.1s [CV] END colsample_bytree=0.7, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s [CV] END colsample bytree=0.8, learning_rate=1e-05, max_depth=3,

n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3,
n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3,
n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END
colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total_time= 0.5s

[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=30, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=500, num leaves=90, subsample=1; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=10, subsample=1; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.5s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=70, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=700, num leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.5s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=10, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=70, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=70, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.8s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=3, n estimators=900, num leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.2s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num_leaves=10, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,

n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time=

[CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num_leaves=50, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,

n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=100, num leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=300, num leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,

n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=300, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=300, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=300, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,

n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= 0.8s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time=

```
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n estimators=300, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n estimators=300, num leaves=70, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n estimators=300, num leaves=70, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                              0.9s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n estimators=300, num leaves=70, subsample=1; total time=
                                                             0.8s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=70, subsample=1; total time=
                                                             0.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n estimators=300, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                              0.8s[CV] END
```

colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time= 0.8s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.9s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=70, subsample=0.7; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=70, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=90, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.9s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time=

[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,

n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=700, num leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=700, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,

n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.2s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=70, subsample=0.8; total time= 2.1s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=700, num leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,

```
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               2.4s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n estimators=700, num leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             2.0s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,
```

n_estimators=700, num_leaves=90, subsample=0.9; total time= 2.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=900, num leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=30, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= 2.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=900, num leaves=70, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 3.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7,

n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= 3.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= 3.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=90, subsample=0.8; total time= 2.9s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, 3.7s n estimators=900, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.8, learning rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 3.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num leaves=50, subsample=1; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=7, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=300, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.4s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=300, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=300, num leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time=

```
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n estimators=300, num leaves=50, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11,
n estimators=300, num leaves=50, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.1s[CV] END
colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n estimators=300, num leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11,
n estimators=300, num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,
```

n_estimators=300, num_leaves=50, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=300, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= 2.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= 2.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=90, subsample=0.9; total time= 2.5s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.7s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=50, subsample=0.7; total time= 2.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num_leaves=50, subsample=0.9; total time= 2.2s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.4s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=70, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num_leaves=70, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.8s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=0.7; total time= 4.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=0.7; total time= 4.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=0.8; total time= 3.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 3.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=0.9; total time= 4.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=30, subsample=0.7; total time= 1.9s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=50, subsample=0.9; total time= 3.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 5.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 5.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= 4.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= 5.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 6.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11,

n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 6.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,

n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=11, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num_leaves=30, subsample=0.9; total time=

[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=100, num_leaves=90, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.6s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= 5.4s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= 6.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=300, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=300, num leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=300, num leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num_leaves=70, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=70, subsample=0.9; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=300, num leaves=70, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.9s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num_leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=500, num leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= 1.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=500, num_leaves=30, subsample=0.7; total time=

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=500, num leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.1s

```
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=50, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15,
n estimators=500, num leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
                                                             1.4s[CV] END
```

colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= 1.4s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= 1.4s
[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= 1.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= 1.6s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=70, subsample=0.8; total time= 1.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=500, num leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= 2.0s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=500, num leaves=90, subsample=0.7; total time= 2.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.9s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=90, subsample=0.8; total time= 2.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=500, num leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=700, num leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 3.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= 2.9s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=700, num leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=700, num leaves=50, subsample=0.7; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=50, subsample=0.9; total time= 2.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.5s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=700, num leaves=50, subsample=0.9; total time= 2.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.4s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=700, num leaves=70, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 4.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=70, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.1s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= 3.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 3.7s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num_leaves=90, subsample=0.7; total time= 4.4s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=90, subsample=0.7; total time= 4.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=700, num leaves=90, subsample=0.8; total time= 4.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=90, subsample=0.9; total time= 4.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=10, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.9s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=10, subsample=0.9; total time= 0.7s[CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=10, subsample=1; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.8s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=50, subsample=0.7; total time= 3.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=50, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.0s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.8s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=0.7; total time= 4.9s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=70, subsample=0.7; total time= 5.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.3s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=70, subsample=0.8; total time= 4.9s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s

[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.0s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=70, subsample=0.9; total time= 4.3s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 3.9s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=0.7; total time= 5.4s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.8s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.7s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.5s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=0.8; total time= 5.6s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.5s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=10, subsample=1; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.4s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num leaves=50, subsample=1; total time=

[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3,

n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=70, subsample=0.9; total time= 0.1s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=90, subsample=0.8; total time= 0.1s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=90, subsample=0.8; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=70, subsample=1; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s

[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=300, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500,

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= 0.4s

[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3,

n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3,

n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=500, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3,

n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3,
n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3,
n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END
colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total_time= 0.5s

[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num leaves=30, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3,

n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s

[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=70, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num leaves=70, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.6s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=700, num_leaves=90, subsample=0.9; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3,

n_estimators=700, num_leaves=90, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.6s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=10, subsample=0.7; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=30, subsample=0.9; total time= 0.7s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3,

n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.6s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=70, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num_leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.7s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=3, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.2s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num_leaves=10, subsample=0.9; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=50, subsample=0.9; total time= 0.7s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=500, num leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=500, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=50, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=500, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

```
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=1; total time=
                                                             1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7,
n estimators=500, num leaves=70, subsample=0.8; total time=
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=70, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7,
n estimators=500, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.3s[CV] END
colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500,
```

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=500, num_leaves=90, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=500, num leaves=90, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=700, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=700, num leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=700, num leaves=30, subsample=0.7; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=700, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.2s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=700, num leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= 1.2s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num leaves=30, subsample=1; total time=

[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=50, subsample=0.7; total time= 2.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=700, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= 1.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=700, num leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

```
n_estimators=700, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             1.9s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7,
n estimators=700, num leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                              2.1s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                              2.1s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=7,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                              2.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,
```

n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=30, subsample=0.7; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=30, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 2.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=50, subsample=0.9; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=70, subsample=0.8; total time= 2.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=70, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=900, num_leaves=70, subsample=0.9; total time= 3.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 3.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= 3.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.7s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=0.8; total time= 3.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=100, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=100, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7,

n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=100, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=50, subsample=0.8; total time= 0.3s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=100, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num leaves=90, subsample=0.7; total time=

[CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=100, num leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=10, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num leaves=90, subsample=0.9; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=300, num leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=300, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=300, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=300, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=90, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=300, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=300, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= 2.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=90, subsample=0.8; total time= 2.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=700, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=700, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=700, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=700, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.2s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=700, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=70, subsample=0.8; total time= 3.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=700, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,

```
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                            3.1s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                              3.9s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                              4.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                              3.8s[CV] END
colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=700,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                              3.9s
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=11,
```

n estimators=700, num leaves=90, subsample=0.8; total time= 3.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=10, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num_leaves=90, subsample=0.9; total time= 4.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=10, subsample=1; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.9s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=50, subsample=0.7; total time= 3.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.3s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=50, subsample=0.8; total time= 3.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 5.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=70, subsample=0.8; total time= 4.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=70, subsample=0.7; total time= 5.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num_leaves=70, subsample=0.8; total time= 4.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.6s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= 4.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=90, subsample=0.7; total time= 5.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=90, subsample=0.7; total time= 5.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 4.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.9s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s

[CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100,
num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8,
learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50,
subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,

n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num_leaves=70, subsample=1; total time= 0.4s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=100, num leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=11, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=10, subsample=1; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num leaves=50, subsample=0.8; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,

n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,

n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,

n_estimators=300, num_leaves=90, subsample=1; total time= 1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END
colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500,
num_leaves=10, subsample=0.9; total_time= 0.5s

[CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.1s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= 1.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= 1.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=70, subsample=0.8; total time= 1.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=70, subsample=0.9; total time= 2.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= 2.1s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 3.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=90, subsample=0.9; total time= 2.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=500, num leaves=90, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=90, subsample=0.9; total time= 2.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=10, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.6s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=30, subsample=0.7; total time= 1.4s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.7s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num_leaves=50, subsample=0.9; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,

n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=50, subsample=0.9; total time= 2.2s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= 2.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.1s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=70, subsample=0.9; total time= 3.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,

n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= 3.4s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 3.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=700, num leaves=90, subsample=0.9; total time= 4.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,

n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.1s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 1.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.1s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=30, subsample=0.7; total time= 2.0s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= 2.3s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= 3.7s[CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=50, subsample=0.9; total time= 3.5s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= 3.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= 3.3s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 4.2s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.3s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 5.0s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.4s [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.001, max depth=15, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.6s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.4s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.9s [CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,

```
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                              5.0s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                              4.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=70, subsample=0.9; total time=
                                                              4.5s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=15,
n estimators=900, num leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                              5.9s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                              5.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                              5.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                              6.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                              5.3s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
```

```
n estimators=900, num leaves=90, subsample=0.9; total time= 5.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample bytree=0.8, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=30, subsample=0.7; total time=
                                           0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
```

```
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.8,
learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=90,
subsample=0.9; total time=
                             5.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=50, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.1s
```

0.1s

num_leaves=50, subsample=0.9; total time=

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
```

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s

- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num leaves=90, subsample=0.7; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num leaves=90, subsample=0.7; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num leaves=90, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= 0.1s

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                        0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                        0.2s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                        0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
                                           0.2s
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                           0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=30, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                           0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                          0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time= 0.3s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time= 5.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time= 0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.3s[CV] END colsample_bytree=0.8,
learning rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8;
total time=
             0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=70, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
```

```
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time= 0.2s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9;
total time=
             0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=500,
num_leaves=30, subsample=1; total time=
                                         0.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
                                         0.3s
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.4s[CV] END colsample_bytree=0.8,
learning rate=0.1, max depth=3, n estimators=500, num leaves=50, subsample=0.9;
total time=
            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
```

```
num_leaves=50, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=70, subsample=0.7; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                           0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                        0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                        0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
```

```
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
```

```
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time= 0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=700,
num leaves=10, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9;
total time=
             0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=10, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=30, subsample=1; total time=
                                         0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.8,
learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=30, subsample=1;
total time=
             0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8;
total time=
             0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
```

0.4s

num_leaves=50, subsample=0.9; total time=

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                         0.5s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time= 0.6s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=10, subsample=1;
total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
```

```
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time= 0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
```

```
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                        0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
```

```
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                        0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                         0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
```

```
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample bytree=0.8,
learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9;
total time= 0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time= 0.6s[CV] END colsample_bytree=0.8,
learning rate=0.1, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8;
total time=
             0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                           0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                           0.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=10, subsample=0.8; total time=
                                           0.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=90, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time= 0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
```

```
num_leaves=90, subsample=1; total time=
                                         0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=30, subsample=0.7; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=90, subsample=1; total time= 0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.8,
learning rate=0.1, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9;
total time=
            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                           0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                           0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=30, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time= 0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
                                            0.2s
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time= 0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=70, subsample=1; total time=
                                        0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=100,
                                            0.2s[CV] END colsample_bytree=0.8,
num_leaves=90, subsample=0.9; total time=
learning rate=0.1, max depth=7, n estimators=100, num leaves=90, subsample=0.9;
total time=
             0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=90, subsample=1; total time=
                                         0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=90, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
```

```
num_leaves=10, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                           0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.9; total time=
                                           0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                           0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8;
total time=
             0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                        0.3s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time= 0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=30, subsample=1; total time=
                                        0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9;
total time=
             0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                           0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
```

```
num_leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9;
total time=
             0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=70, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
```

```
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.4s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8;
total time=
             0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time= 0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=90, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
```

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=300,

```
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                        0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                         0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
```

```
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=30, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                        0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                         0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
```

```
num_leaves=50, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                           0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=50, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                           0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
```

```
num_leaves=70, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=90, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                        0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                           0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                           0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=10, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=30, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time= 0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time= 0.8s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7;
total time=
             0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.8s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.7; total time= 0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=50, subsample=1; total time=
                                         0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=7, n estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.8s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9;
total time=
             0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                         0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
num_leaves=90, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=10, subsample=1; total time=
                                         0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                           1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time= 1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                        1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time= 1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
```

```
num_leaves=30, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.9; total time= 1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                         1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
```

```
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=50, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                         1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=70, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
```

```
num_leaves=70, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=70, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                          1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=10, subsample=0.7; total time=
                                                              0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=90, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.2s[CV] END colsample_bytree=0.8,
learning_rate=0.1, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9;
total time=
              1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.2s[CV] END
colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=100,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=100, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                            0.2s[CV] END
colsample bytree=0.8, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=90, subsample=1; total time=
                                          1.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=100, num leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=100, num_leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=100, num leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.1s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=100, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
                                                             0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=100, num leaves=50, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=50, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=100, num leaves=50, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=100, num leaves=50, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=100, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                              0.2s
```

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.2s

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=100, num leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,

n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n estimators=100, num leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=100, num leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n estimators=100, num leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.2s[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= 0.2s

[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=300, num leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=300, num leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,

```
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
                                                             0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
                                                             0.3s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
                                                             0.4s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=300, num_leaves=30, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=30, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=50, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
                                                             0.5s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=300, num_leaves=50, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=70, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=70, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=70, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=90, subsample=0.7; total time=
                                                              0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                              0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=30, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=30, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
                                                             0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
                                                             1.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
                                                             1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                              0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=70, subsample=0.9; total time=
                                                              0.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=500, num_leaves=70, subsample=1; total time=
                                                             0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
                                                             0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=90, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=90, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=90, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

n_estimators=500, num_leaves=90, subsample=1; total time= 1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s[CV] END
colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=0.8; total time= 0.6s

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n estimators=700, num leaves=10, subsample=0.9; total time= 0.7s[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=700, num leaves=10, subsample=1; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.4s

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=700, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
                                                             1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
                                                             1.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.5s[CV] END
colsample bytree=0.8, learning rate=0.1, max depth=11, n estimators=700,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=700, num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
                                                             1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=70, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=700, num leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=700, num leaves=90, subsample=0.8; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=700, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=900, num leaves=10, subsample=0.8; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                              0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                              0.9s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                              0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=900, num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             1.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=900, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
```

```
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=900, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
                                                             1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               1.7s[CV] END
colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               1.7s
```

1.7s

1.5s

1.8s

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n estimators=900, num leaves=70, subsample=0.8; total time= 1

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 1

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 1

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=900, num leaves=70, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=70, subsample=1; total time=
                                                             1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=11,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.2s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=90, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=10, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                             0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                             0.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=30, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=30, subsample=1; total time=
                                                             0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=1; total time=
                                                             0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=1; total time=
                                                             0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
```

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s

[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=100, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n estimators=100, num leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,

```
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=70, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=70, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=70, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=1; total time=
                                                             0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=90, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                              0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                              0.4s[CV] END
colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=100,
num_leaves=90, subsample=0.8; total time=
```

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=90, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
                                                               0.3s
n_estimators=100, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=90, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=90, subsample=1; total time=
                                                             0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=100, num leaves=90, subsample=1; total time=
                                                             0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n estimators=300, num leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=300, num leaves=10, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.3s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                              0.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=30, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=300, num leaves=30, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                              0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                              0.6s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=300, num leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time=
```

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.6s[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=300, num_leaves=50, subsample=0.8; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,

n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=300, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,

n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 0.7s[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.3s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=300, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= 0.7s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,

```
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                              0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=500, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=500, num leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.0s[CV] END
colsample_bytree=0.8, learning rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
```

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=500, num leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=500, num leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
                                                             1.1s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=500, num leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=500, num leaves=90, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=10, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                              0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=10, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                              0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=10, subsample=0.8; total time=
                                                              0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=10, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                              0.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=30, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.4s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=30, subsample=1; total time=
                                                             1.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
                                                             1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=70, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=70, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             1.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             1.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=90, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=700, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num_leaves=10, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                              0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=10, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=10, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                              0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=10, subsample=1; total time=
                                                             0.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=1; total time=
                                                             0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=1; total time=
                                                             0.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.9s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             2.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             2.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=50, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
                                                               2.6s
n_estimators=900, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               2.3s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               2.6s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               2.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               3.0s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               2.4s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=50, subsample=0.9; total time=
                                                               2.9s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.4s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=70, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               3.0s
```

```
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               2.5s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=70, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=90, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=90, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               2.6s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               2.8s
[CV] END colsample bytree=0.8, learning rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               2.5s
[CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
```

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num leaves=10, subsample=0.9; total time=

[CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num leaves=10, subsample=1; total time=

[CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=100, num leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=30, subsample=0.9; total time= 0.1s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=100, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= 0.1s [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,

n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.8, learning rate=0.1, max depth=15, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,

n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.8, learning_rate=0.1, max_depth=15,

```
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n estimators=100, num leaves=90, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3,
n estimators=100, num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n estimators=100, num leaves=90, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=90, subsample=1; total time=
                                                             0.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3,
n estimators=100, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                              0.2s[CV] END
colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
```

[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,

n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,

n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,

n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=70, subsample=1; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=70, subsample=1; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=300, num leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=300, num leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.4s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.5s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= 0.5s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=500, num leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=500, num leaves=90, subsample=1; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.6s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.8s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=0.7; total time= 0.7s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,

n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,

n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=90, subsample=0.8; total time=

[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=700, num leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=10, subsample=0.8; total time= 0.7s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=10, subsample=1; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.6s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.0s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.9s

[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=70, subsample=0.9; total time= 0.7s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n estimators=900, num leaves=90, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s

[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=3, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3,

n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=100, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=100, num leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=100, num leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=100, num leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=100, num leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=100, num leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=30, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=70, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=70, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= 0.9s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.9s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=90, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=300, num leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=90, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=300, num leaves=90, subsample=1; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time=

[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=30, subsample=0.7; total time= 1.1s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=500, num leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=500, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=50, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=500, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=500, num leaves=90, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=90, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=500, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=50, subsample=0.7; total time= 1.7s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=50, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= 2.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=70, subsample=0.7; total time= 2.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= 2.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=700, num leaves=90, subsample=0.9; total time= 2.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=90, subsample=0.9; total time= 2.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 2.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.9s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.8s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,
n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s[CV] END
colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time= 1.9s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 2.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= 2.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, 2.7s n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 3.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7,

n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= 3.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= 3.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=90, subsample=0.8; total time= 3.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n estimators=900, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=90, subsample=0.9; total time= 3.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=100, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=30, subsample=0.7; total time= 0.3s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=100, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=100, num leaves=30, subsample=1; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= 3.3s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.4s

[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=100, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=300, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=300, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=300, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=300, num leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=300, num_leaves=90, subsample=1; total time= 1.4s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time= 1.4s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END
colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500,
num_leaves=10, subsample=0.9; total time= 0.5s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=500, num leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=500, num_leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=500, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=500, num leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=500, num_leaves=50, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s

```
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
                                                             1.5s
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n estimators=500, num leaves=70, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11,
n estimators=500, num leaves=70, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                              2.1s
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n estimators=500, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500,
num_leaves=70, subsample=1; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=700, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=30, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=50, subsample=0.7; total time= 2.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=700, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

```
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11,
n estimators=700, num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.4s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.5s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.4s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.1s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               2.8s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                              3.4s[CV] END
colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.6s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=700, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=0.7; total time= 4.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=0.7; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 3.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 3.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=900, num leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= 4.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num leaves=10, subsample=0.9; total time= 0.8s

[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=900, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=50, subsample=0.7; total time= 3.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=900, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=70, subsample=0.8; total time= 5.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=900, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= 4.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 6.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 6.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=900, num leaves=90, subsample=0.8; total time= 4.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n estimators=900, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 6.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11,

n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.3s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s[CV] END
colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100,
num_leaves=30, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=90, subsample=0.9; total time= 5.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=30, subsample=1; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=50, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=50, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num_leaves=90, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 1.0s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=100, num leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=10, subsample=0.7; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300 num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.4s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=300, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= 2.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 2.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=50, subsample=1; total time= 2.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=70, subsample=0.7; total time= 2.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.3s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=90, subsample=0.7; total time= 2.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.2s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=50, subsample=0.7; total time= 2.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.1s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=50, subsample=0.9; total time= 2.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.9s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=70, subsample=0.8; total time= 3.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.4s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=70, subsample=1; total time= 3.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 3.9s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.2s[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=700, num_leaves=90, subsample=0.8; total time=

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.8s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.4s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.9s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.7s

[CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=30, subsample=0.9; total time= 1.9s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= 2.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=50, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.0s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.3s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.8s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.7s[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.5s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=70, subsample=0.8; total time= 4.8s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.9s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.4s

[CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.7s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=70, subsample=0.9; total time= 4.1s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 6.0s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.5s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.6s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.6s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=0.9; total time= 5.0s [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num_leaves=90, subsample=0.8; total time= 5.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.8s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=100, num leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.1s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=100, num leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=100, num leaves=50, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=100, num leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s [CV] END colsample bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=100, num leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time=

[CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=100, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=300, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=300, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=300, num leaves=50, subsample=0.8; total time= 0.3s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time= 0.2s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=1e-05, max_depth=15,

n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=90, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=300, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=30, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=30, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.4s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=500, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=10, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.5s

[CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num_leaves=50, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.5s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=70, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=70, subsample=0.8; total time= 0.7s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=700, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=10, subsample=1; total time= 0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.7s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=30, subsample=1; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=50, subsample=1; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.6s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num leaves=90, subsample=0.7; total time=

[CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=90, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=90, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3,

n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n estimators=900, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=3, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=10, subsample=0.9; total time= 0.1s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=100, num_leaves=10, subsample=1; total time= 0.2s[CV] END
colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.2s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=100, num leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=300, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=300, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=30, subsample=0.7; total time= 0.7s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=300, num leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=300, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=50, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=300, num_leaves=50, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.1s[CV] END
colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time= 1.0s

[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num_leaves=70, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=300, num leaves=70, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=70, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=300, num leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=90, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=300, num leaves=90, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=300, num leaves=90, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=500, num leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=10, subsample=1; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=500, num leaves=10, subsample=1; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=30, subsample=0.7; total time= 1.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=500, num leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

```
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7,
n estimators=500, num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=30, subsample=1; total time=
                                                             1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=30, subsample=1; total time=
                                                             1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7,
n estimators=500, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
```

n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=70, subsample=0.9; total time= 1.7s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=500, num leaves=70, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=500, num_leaves=70, subsample=1; total time= 1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=70, subsample=1; total time= 1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.7s[CV] END
colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time= 1.4s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=90, subsample=0.8; total time= 1.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=500, num leaves=90, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=700, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.8s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.9, learning rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=700, num leaves=50, subsample=0.7; total time= 2.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.8; total time= 1.9s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.4s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num_leaves=70, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.1s

```
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7,
n estimators=700, num leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n estimators=700, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n estimators=700, num leaves=90, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning rate=0.001, max_depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                              2.1s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               2.6s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
                                                               2.1s
n_estimators=700, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               2.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                              1.0s[CV] END
```

colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time= 0.9s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=30, subsample=0.7; total time= 1.9s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=900, num leaves=30, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=30, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 2.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=900, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= 2.4s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=900, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=50, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= 2.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= 2.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=70, subsample=0.7; total time= 2.7s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=900, num leaves=70, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.9, learning rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.7; total time= 3.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7,

n_estimators=900, num_leaves=70, subsample=0.8; total time= 2.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= 3.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=70, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=0.9; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= 3.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=90, subsample=0.8; total time= 3.0s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n estimators=900, num leaves=90, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=50, subsample=0.7; total time= colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= 2.9s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s

[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=7, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=7, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=90, subsample=0.8; total time= 0.7s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=100, num leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=300, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=30, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num leaves=30, subsample=0.7; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=300, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=300, num_leaves=30, subsample=1; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= 0.7s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=300, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=300, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=70, subsample=0.7; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=300, num leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=90, subsample=0.7; total time= 1.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=300, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=300, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=70, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=70, subsample=0.8; total time= 2.5s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= 2.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.6s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=500, num_leaves=90, subsample=0.9; total time=

```
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                              0.6s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                              0.7s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=10, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11,
n estimators=700, num leaves=10, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
                                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
                                                            0.7s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11,
n estimators=700, num leaves=10, subsample=1; total time=
                                                            0.7s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                              1.6s[CV] END
colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700,
num_leaves=30, subsample=0.7; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=30, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=30, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=50, subsample=0.8; total time= 2.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=70, subsample=0.8; total time= 2.9s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= 3.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.4s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=90, subsample=0.8; total time= 4.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=700, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=10, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=30, subsample=0.7; total time= 1.9s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=30, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=50, subsample=0.8; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11,

n_estimators=900, num_leaves=70, subsample=0.8; total time= 5.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= 4.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= 4.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= 5.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 6.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 6.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n estimators=900, num leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n estimators=900, num leaves=90, subsample=0.9; total time= 5.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 6.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= 0.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=50, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 6.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= 5.8s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= 6.0s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=300, num_leaves=10, subsample=0.7; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=300, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=30, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=300, num leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=50, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num leaves=50, subsample=0.9; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 1.0s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=300, num leaves=70, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=70, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.5s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num_leaves=90, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 2.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 2.0s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=300, num leaves=90, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=50, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s

[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.7; total time= 2.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.2s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= 2.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=500, num leaves=90, subsample=0.7; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.4s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=90, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=10, subsample=0.8; total time= 0.7s[CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=30, subsample=0.9; total time= 1.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=50, subsample=0.7; total time= 2.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=50, subsample=0.8; total time= 2.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=50, subsample=0.9; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.1s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=70, subsample=0.8; total time= 2.9s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=70, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.5s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= 3.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.8s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=90, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.3s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.5s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 5.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 3.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.9s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 1.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=30, subsample=0.7; total time= 2.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=900, num leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=30, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.8; total time= 2.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=900, num leaves=30, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=1; total time= 2.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=900, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.6s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.8s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= 3.1s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=900, num leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= 3.4s[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.5s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 4.0s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.3s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.3s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= 3.1s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.2s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.9s [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.001, max depth=15, n estimators=900, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.9s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.4s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.7s [CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,

```
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                              4.7s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                              5.1s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=70, subsample=0.9; total time=
                                                              5.1s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
                                                            4.5s[CV] END
colsample_bytree=0.9, learning_rate=0.001, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=15,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                              5.9s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                              5.8s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                              6.9s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                              5.6s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=15,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                              5.7s
[CV] END colsample bytree=0.9, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                              5.9s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
```

0.1s

num_leaves=10, subsample=0.7; total time=

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=100,
                                            0.1s
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                        0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=0.9,
learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=30, subsample=0.7;
total time=
             0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
```

```
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                        0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=30, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                           0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s[CV] END colsample_bytree=0.9,
learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8;
total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.9,
learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8;
total time=
            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=50, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=50, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.7; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
```

0.1s

num_leaves=50, subsample=0.8; total time=

```
num_leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                        0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                        0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                           0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
```

```
num_leaves=90, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=90, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time= 5.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                           0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                           0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=10, subsample=1; total time= 0.2s[CV] END colsample bytree=0.9,
learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=10, subsample=1;
total time=
             0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
```

0.2s

num_leaves=10, subsample=0.9; total time=

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                           0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                           0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=70, subsample=0.8; total time=
                                           0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                           0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time= 0.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=70, subsample=0.9; total time=
                                           0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=90, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time= 0.2s[CV] END colsample_bytree=0.9,
learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9;
total time=
            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=90, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=10, subsample=0.7; total time=
                                           0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
```

```
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
```

```
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
```

```
num_leaves=50, subsample=0.8; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=50, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                           0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                           0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                           0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                           0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                           0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=70, subsample=0.9; total time=
                                           0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                           0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
```

```
num_leaves=90, subsample=0.7; total time=
                                           0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=90, subsample=0.7; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=90, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                           0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                           0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
```

```
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
```

```
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time= 0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                           0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                           0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
```

```
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                        0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                        0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time= 0.6s[CV] END colsample_bytree=0.9,
learning rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7;
total time=
            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                        0.4s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=10, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time= 0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time= 0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                         0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=30, subsample=1; total time=
                                         0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.7s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=70, subsample=1; total time= 0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                        0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.1s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=0.9,
```

```
total time=
             0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=50, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
```

learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7;

```
num_leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
                                            0.2s
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                           0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time= 0.2s[CV] END colsample_bytree=0.9,
learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.7;
total time=
            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s[CV] END colsample_bytree=0.9,
learning rate=0.1, max_depth=7, n_estimators=100, num_leaves=90, subsample=0.9;
total time=
             0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=100,
num_leaves=90, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
```

```
num_leaves=10, subsample=0.9; total time=
                                           0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                           0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                           0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                           0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time= 0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
```

```
num_leaves=30, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=30, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=30, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.4s[CV] END colsample_bytree=0.9,
learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7;
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample bytree=0.9,
learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9;
total time=
             0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=70, subsample=1; total time= 0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                           0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
```

```
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.6s[CV] END colsample_bytree=0.9,
learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8;
total time= 0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
```

0.5s

num_leaves=10, subsample=0.8; total time=

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                        0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time= 0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                        0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                        0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time= 0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.8s[CV] END colsample_bytree=0.9,
learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=1;
total time=
              0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
```

```
num_leaves=70, subsample=1; total time= 0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                        0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time= 0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                         0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                           0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                         0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time= 0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=10, subsample=1; total time= 0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                         0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time= 0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                         0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                         1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
num_leaves=50, subsample=0.8; total time=
                                           1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=50, subsample=0.9; total time=
                                          1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time= 0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time= 0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                         0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time= 0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                           0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                         1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                          0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time= 0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                           0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
```

```
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                           1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                           1.1s[CV] END colsample_bytree=0.9,
learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9;
total time= 0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time= 0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                           1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                        0.8s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                        0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=900,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.1s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
                                            1.2s
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time= 1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                         1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.3s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
                                            1.3s
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=50, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                           1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                         1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time= 1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                         1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=70, subsample=1; total time=
                                         1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
                                            1.2s
num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=7, n estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                         1.1s[CV] END colsample_bytree=0.9,
learning rate=0.1, max depth=11, n estimators=100, num leaves=10, subsample=0.9;
total time=
              0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=100, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
```

```
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.5s[CV] END colsample_bytree=0.9,
learning rate=0.1, max depth=11, n_estimators=100, num leaves=30, subsample=0.8;
total time=
             0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=100, num leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=100, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=100, num leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time=

[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,

```
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=70, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=100, num leaves=70, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=70, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=100, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=100, num leaves=90, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=100, num leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=100, num_leaves=70, subsample=1; total time=
                                                            0.5s[CV] END
colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=100,
num_leaves=90, subsample=0.8; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=100, num leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s

[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=300, num leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=300, num leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,

```
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                              0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                              0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=30, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=30, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
```

```
n_estimators=300, num_leaves=30, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
                                                             0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                              0.7s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
```

```
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=70, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                              0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                              0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=70, subsample=0.8; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                              0.6s[CV] END
colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=300,
num_leaves=90, subsample=0.7; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n estimators=500, num leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=300, num leaves=90, subsample=1; total time=
                                                             0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n estimators=500, num leaves=30, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=30, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
                                                               1.0s
n_estimators=500, num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.2s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                              0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                              0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=50, subsample=0.7; total time=
                                                              0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=50, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                              0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                              0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                              0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=70, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=70, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=70, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
                                                             0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
                                                             0.9s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=90, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=90, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=500, num leaves=90, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=500, num leaves=90, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.1s[CV] END
colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=500,
num_leaves=90, subsample=1; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,

```
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=10, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=10, subsample=0.8; total time=
                                                              0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                              0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                              0.8s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
                                                             0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
                                                             0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.4s[CV] END
colsample bytree=0.9, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.3s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=90, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=700, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=10, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=10, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
                                                             0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
                                                             1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.6s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
                                                               1.6s
n_estimators=900, num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=50, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.1s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=50, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
                                                             2.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
                                                             2.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n estimators=900, num leaves=70, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=70, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               1.8s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=70, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=90, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=11,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=10, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=10, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=10, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=11,
n estimators=900, num leaves=90, subsample=1; total time=
                                                             1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                             0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                             0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n estimators=900, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               2.2s
```

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.2s

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=100, num leaves=30, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=100, num leaves=30, subsample=0.9; total time= 0.3s[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=100, num_leaves=30, subsample=0.9; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=11, n estimators=900, num leaves=90, subsample=1; total time= 1.7s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=50, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=50, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=50, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=50, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=50, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=11,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=50, subsample=1; total time=
                                                             0.3s[CV] END
colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=100,
num_leaves=50, subsample=1; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100 colsample_bytree=0.9, learning_rate=0.1, max_depth=15,

n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=100, num leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=100, num leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s [CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.4s[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,

```
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                              0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=90, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=100, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=1; total time=
                                                             0.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=100, num leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=10, subsample=0.7; total time=
                                                              0.5s[CV] END
colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300,
num leaves=10, subsample=0.8; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=30, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=30, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                              0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=30, subsample=0.7; total time=
                                                              0.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=30, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=30, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time=
```

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=300, num leaves=50, subsample=0.7; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=50, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= 0.7s[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=300, num leaves=50, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=300, num leaves=50, subsample=1; total time= 0.6s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time=

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=70, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=70, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=70, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=70, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=70, subsample=1; total time=
                                                             0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=70, subsample=1; total time=
                                                             0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
                                                             0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               0.9s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=90, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=300, num leaves=90, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=300, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.6s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=10, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=10, subsample=1; total time=
                                                             0.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=10, subsample=1; total time=
                                                             0.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=30, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.4s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=50, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=50, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=70, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=70, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=90, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=500, num leaves=90, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=90, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=90, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=500, num leaves=90, subsample=1; total time=
                                                             1.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
```

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=700, num leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 1.0s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=700, num leaves=10, subsample=1; total time= 0.7s[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=700, num leaves=10, subsample=0.9; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= 0.7s[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=700, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=700, num leaves=30, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.4s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,

```
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=700, num leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=700, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
                                                             1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
```

```
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
                                                             1.5s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
                                                             2.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=700, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
```

```
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             1.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=70, subsample=1; total time=
                                                             1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=900, num leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
```

n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n estimators=900, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.0s [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= 1.0s[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=900, num_leaves=10, subsample=0.9; total time=

[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 1.1s [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, 1.2s n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n estimators=900, num leaves=10, subsample=1; total time= 1.1s [CV] END colsample bytree=0.9, learning rate=0.1, max depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 0.9s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.9s

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             2.0s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=900, num leaves=50, subsample=0.7; total time=
                                                               2.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               2.3s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               2.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               2.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               2.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               2.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=50, subsample=1; total time=
                                                             2.2s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=900, num leaves=50, subsample=1; total time=
                                                             2.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.4s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               2.9s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=70, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n estimators=900, num leaves=70, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.7s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=70, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               2.8s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               2.4s
```

```
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                              2.9s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=90, subsample=0.7; total time=
                                                              2.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                              2.4s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                              2.9s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                              2.6s
[CV] END colsample bytree=0.9, learning rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                              2.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                              2.7s
[CV] END colsample bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                              2.3s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                              2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                        0.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=100,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                              2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample bytree=0.9, learning rate=0.1, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50,
subsample=0.7; total time=
```

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,

```
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time= 0.1s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=50, subsample=1;
total time=
             0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s[CV] END colsample_bytree=1,
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=100,
num_leaves=70, subsample=1; total time=
                                        0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
```

learning_rate=1e-05, max_depth=3, n_estimators=100, num_leaves=70,

0.1s

subsample=0.9; total time=

```
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n estimators=900, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s[CV] END colsample_bytree=1,
learning rate=1e-05, max depth=3, n estimators=300, num leaves=10,
subsample=0.7; total time=
                           0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=0.9, learning_rate=0.1, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                          0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time= 0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.3s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30,
subsample=0.7; total time=
                           0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.4s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=30,
subsample=0.7; total time=
                             0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300,
num leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
```

0.3s

num_leaves=30, subsample=1; total time=

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.2s
```

- [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.3s
 [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70,

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,

learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70,

0.3s

0.3s

0.3s[CV] END colsample_bytree=1,

num_leaves=70, subsample=0.8; total time=

subsample=0.9; total time=

subsample=0.9; total time=

- [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.3s

 [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.4s

 [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.3s

 [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.3s

 [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.3s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.4s
 [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s
 [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s
 [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,

```
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.3s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=3, n_estimators=300, num_leaves=90,
subsample=0.9; total time=
                             0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=300,
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
```

0.3s

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.4s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=3, n_estimators=500, num_leaves=10, subsample=1;
total time=
             0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
```

```
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
```

```
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
```

```
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=70, subsample=1; total time= 0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=70, subsample=1; total time= 0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=90, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num leaves=90, subsample=0.9; total time=
                                           0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
```

```
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=10, subsample=1; total time= 0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                        0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s[CV] END colsample_bytree=1,
learning rate=1e-05, max_depth=3, n_estimators=700, num_leaves=30,
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                        0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=1,
```

```
learning_rate=1e-05, max_depth=3, n_estimators=700, num_leaves=50,
subsample=0.8; total time= 0.5s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time= 0.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=700,
num_leaves=50, subsample=1; total time=
                                        0.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=700,
num_leaves=70, subsample=0.7; total time= 0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
```

```
num_leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=70, subsample=1; total time= 0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=70, subsample=0.9; total time= 0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
```

```
num_leaves=90, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=90, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=700,
num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=10, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=10, subsample=1; total time=
                                         0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
```

```
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=30, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=30, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
```

```
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
```

```
num_leaves=70, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time= 1.0s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=70, subsample=1;
total time=
              1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=3, n estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                         0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.8; total time= 0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time= 0.1s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=3, n_estimators=900, num_leaves=90,
subsample=0.9; total time=
                             0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                         0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
```

```
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=3, n_estimators=900,
num leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=30, subsample=0.9; total time=
                                            0.2s[CV] END colsample bytree=1,
learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=30,
subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.2s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.5s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=50,
subsample=0.7; total time=
                             0.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=50, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=50, subsample=0.9; total time= 0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
```

```
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.4s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=7, n_estimators=100, num_leaves=70,
subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
```

0.3s

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.4s[CV] END colsample_bytree=1,
learning rate=1e-05, max depth=7, n estimators=100, num leaves=90,
subsample=0.9; total time=
                             0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=100,
num_leaves=90, subsample=1; total time=
                                        0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time= 0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
```

```
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=300,
num leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.6s[CV] END colsample_bytree=1,
learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30,
subsample=0.8; total time=
                             0.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.8s[CV] END colsample_bytree=1,
```

```
learning_rate=1e-05, max_depth=7, n_estimators=300, num_leaves=30,
subsample=0.9; total time= 0.6s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=50, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
```

```
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
```

```
num_leaves=90, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=90, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
```

```
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.1s[CV] END colsample_bytree=1,
learning rate=1e-05, max_depth=7, n_estimators=500, num_leaves=30,
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.4s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=50, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=70, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=70, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          1.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=70, subsample=1; total time=
                                          1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=90, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=90, subsample=0.8; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            1.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          1.9s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=500,
num_leaves=90, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=500,
num leaves=90, subsample=1; total time=
                                          1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.4s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            1.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            1.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num leaves=30, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            2.2s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            2.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            2.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num leaves=50, subsample=1; total time=
                                          2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            2.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            2.3s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            2.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            2.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=70, subsample=1; total time=
                                          2.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          2.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num leaves=90, subsample=0.7; total time=
                                            2.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num leaves=90, subsample=0.7; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            2.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=90, subsample=1; total time=
                                          2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                        2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            1.0s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=700,
num_leaves=90, subsample=1; total time=
                                          2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.1s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.9s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            2.0s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.8; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            2.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            3.0s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            2.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            2.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            3.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            2.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            3.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            3.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            3.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=50, subsample=0.9; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          2.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          2.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          2.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          2.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            3.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            3.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            3.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            2.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            3.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            3.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            3.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            2.8s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            3.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            3.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            3.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            3.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=70, subsample=1; total time=
                                          2.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          3.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            3.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            2.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            3.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            2.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            4.0s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            3.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.1s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=100, num leaves=30, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=100, num leaves=30, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=100, num leaves=30, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=100, num leaves=30, subsample=1; total time=
                                                             0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=100, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                               0.3s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=7, n estimators=900,
num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          3.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=100, num leaves=50, subsample=0.9; total time=
                                                              0.3s[CV] END
colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=100, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=7, n_estimators=900,
num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
```

n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=100, num leaves=70, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= 0.5s[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11,

n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=90, subsample=0.9; total time= 0.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=100, num leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= 0.5s[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=300, num_leaves=10, subsample=0.7; total time=

[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.4s[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=300, num_leaves=10, subsample=1; total time= 0.4s

[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=300, num leaves=30, subsample=0.7; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.8s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=300, num leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=300, num leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.9s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11,

```
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=300, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=300, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=300, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
                                                             0.9s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                              0.9s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=300, num leaves=50, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               1.0s[CV] END
colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
```

[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=300, num leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=300, num_leaves=50, subsample=1; total time=

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=300, num leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=300, num leaves=70, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=300, num leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=300, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=300, num leaves=90, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=500, num leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=500, num leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=500, num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.6s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=500, num leaves=10, subsample=1; total time=
                                                             0.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=300, num leaves=90, subsample=1; total time=
                                                             2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
                                                             0.8s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
                                                             0.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=500, num leaves=30, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=500, num leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.7s
```

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.8s[CV] END
colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.1s
```

[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= 1.1s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=500, num leaves=30, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 1.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=50, subsample=0.7; total time= 2.0s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time=

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.5s

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=500, num leaves=70, subsample=0.7; total time=
                                                               2.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=500, num leaves=70, subsample=0.7; total time=
                                                               2.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               2.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               2.5s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               2.4s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               2.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=500, num leaves=70, subsample=0.8; total time=
                                                               2.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               2.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               2.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=70, subsample=1; total time=
```

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=90, subsample=0.8; total time= 2.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=90, subsample=0.8; total time= 2.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=500, num leaves=90, subsample=0.7; total time= 3.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 3.2s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.7s[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=700, num_leaves=10, subsample=0.7; total time=

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=500, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11,

```
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                              0.7s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
                                                             0.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
                                                             3.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=500, num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
```

```
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=30, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=700, num leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
                                                             1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               2.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               2.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
```

```
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=50, subsample=0.8; total time=
                                                               2.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               2.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               2.4s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               2.6s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.1s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                               2.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                               2.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               3.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               3.2s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               3.4s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               3.9s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               4.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
```

```
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               3.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               3.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             3.7s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               4.1s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               4.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=700, num leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               4.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               5.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               4.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               4.3s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               4.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               4.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               4.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               4.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               4.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
```

n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=0.9; total time= 3.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=700, num leaves=90, subsample=0.9; total time= 4.4s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.8s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.8; total time=

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=10, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= 1.0s [CV] END colsample bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=700, num leaves=90, subsample=1; total time= 5.1s [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=10, subsample=1; total time=

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.6s[CV] END
colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               2.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=900, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=900, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.1s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.6s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
```

```
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               2.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               2.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               3.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               3.4s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               3.4s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               3.7s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               3.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=900, num leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
                                                             3.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
                                                             3.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
                                                             3.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=900, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n estimators=900, num leaves=70, subsample=0.7; total time=
                                                               4.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               4.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               4.3s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               4.7s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               4.3s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               4.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
```

n_estimators=900, num_leaves=70, subsample=0.8; total time= 5.1s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= 4.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=70, subsample=0.9; total time= 5.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=70, subsample=0.8; total time= 5.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.3s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.6s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.6s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 6.0s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=90, subsample=0.7; total time= 6.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=90, subsample=0.8; total time= 5.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.7s [CV] END colsample bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=100, num_leaves=10, subsample=0.7; total time= 0.1s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15,

```
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11,
n estimators=900, num leaves=90, subsample=0.8; total time=
                                                               6.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=100, num leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               5.6s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n estimators=100, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               5.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=100, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=100, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                             0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.3s[CV] END
colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=100,
```

[CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 6.1s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.6s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time=

[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=100, num leaves=30, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.4s[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15,

n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=50, subsample=0.8; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=100, num leaves=50, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=70, subsample=0.7; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time=

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 7.1s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=100, num leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.7s

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=11, n estimators=900, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=300, num leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=300, num leaves=10, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=0.8; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.9s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.8s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15,

n_estimators=300, num_leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=30, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.1s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.3s[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=300, num_leaves=50, subsample=0.7; total time=

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 1.0s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=300, num leaves=50, subsample=0.9; total time= 1.0s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 1.1s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time=

```
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=300, num leaves=70, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=300, num leaves=70, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n estimators=300, num leaves=70, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
                                                             1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
```

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.4s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=0.8; total time= 1.9s[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=300, num leaves=90, subsample=0.9; total time=

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15,

n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=300, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=500, num leaves=10, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.1s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=30, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.0s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.7; total time= 1.1s[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.1s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.2s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15,

```
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=50, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=50, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
```

```
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=50, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
                                                             1.7s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                              2.2s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n estimators=500, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                              2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=70, subsample=0.8; total time=
                                                              2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=500, num leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                              2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
```

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.3s

[CV] END colsample_bytree=1, learning rate=1e-05, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= 2.1s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=90, subsample=0.7; total time= 3.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 3.0s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=90, subsample=0.8; total time= 2.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=500, num leaves=90, subsample=0.7; total time= 2.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.4s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 2.5s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.5s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=700, num leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 2.7s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= 2.7s[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=500, num_leaves=90, subsample=1; total time= 2.5s

[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= 0.7s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= 0.7s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=500, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.4s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15,

n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s[CV] END
colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700,
num_leaves=30, subsample=0.7; total_time= 1.8s

[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.8s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, 1.3s n_estimators=700, num_leaves=30, subsample=0.8; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=30, subsample=0.9; total time= 1.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=700, num leaves=30, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=30, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=700, num leaves=50, subsample=0.7; total time= 2.1s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= 2.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.1s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.4s

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.7; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.8; total time= 2.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=50, subsample=0.9; total time= 2.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=50, subsample=1; total time= 2.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=700, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.1s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.5s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=700, num leaves=70, subsample=0.8; total time= 3.0s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 3.7s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.1s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 3.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.4s

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.2s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 3.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=700, num leaves=90, subsample=0.7; total time= 4.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=700, num leaves=90, subsample=0.7; total time= 4.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.0s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 5.5s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 4.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.7; total time= 5.6s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.7s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=700, num leaves=90, subsample=0.8; total time= 4.3s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=90, subsample=0.8; total time= 4.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 5.4s

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 5.4s[CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 1.0s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.7; total time= 0.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=0.9; total time= 4.0s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= 0.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=900, num leaves=10, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= 5.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=10, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 0.8s

```
[CV] END colsample_bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.3s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n estimators=900, num leaves=30, subsample=1; total time=
                                                             2.1s
[CV] END colsample bytree=1, learning rate=1e-05, max depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             2.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=900, num leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.8s
```

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 2.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=0.7; total time= 3.9s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.8; total time= 3.3s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=50, subsample=0.8; total time= 3.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.5s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=50, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=900, num leaves=50, subsample=0.9; total time= 3.1s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.4s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=0.9; total time= 3.8s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=900, num leaves=70, subsample=0.7; total time= 4.5s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 5.1s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=0.8; total time= 4.4s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.7; total time= 4.7s[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.7s

[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 5.0s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.8; total time= 4.7s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.9s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 5.2s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 4.7s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.5s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.6s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 6.2s [CV] END colsample bytree=1, learning rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 5.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n estimators=900, num leaves=90, subsample=0.8; total time= 5.6s [CV] END colsample bytree=1, learning rate=1e-05, max depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 6.8s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n estimators=900, num leaves=90, subsample=0.8; total time= 6.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 5.6s [CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 5.6s

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=100,
                                            0.1s
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=100,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s[CV] END colsample_bytree=1,
learning rate=0.001, max_depth=3, n_estimators=100, num_leaves=30, subsample=1;
total time=
              0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=30, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
```

```
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=100,
num_leaves=50, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
```

```
num_leaves=70, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time= 0.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=100,
num_leaves=70, subsample=1; total time= 0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=900, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
```

```
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=90, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
```

```
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=10, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=30, subsample=0.9; total time=
                                            0.2s[CV] END colsample bytree=1,
learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30,
subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time= 0.3s[CV] END colsample_bytree=1,
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
n estimators=900, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=1e-05, max_depth=15,
```

learning_rate=0.001, max_depth=3, n_estimators=300, num_leaves=30, subsample=1;

total time=

0.3s

```
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=70, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.3s[CV] END colsample_bytree=1,
learning rate=0.001, max_depth=3, n_estimators=300, num_leaves=70,
subsample=0.7; total time=
                             0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=300,
num leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                         0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=300,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.4s[CV] END colsample_bytree=1,
learning_rate=0.001, max_depth=3, n_estimators=500, num_leaves=30,
subsample=0.7; total time=
```

[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,

```
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=500,
num_leaves=30, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.4s[CV] END colsample_bytree=1,
learning rate=0.001, max_depth=3, n_estimators=500, num_leaves=50,
subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
                                            0.5s
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.5s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                        0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num leaves=70, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
                                            0.9s
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=900,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            0.8s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            0.8s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num leaves=70, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=3, n estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
                                            0.2s[CV] END colsample_bytree=1,
num_leaves=10, subsample=0.8; total time=
learning rate=0.001, max_depth=3, n_estimators=900, num_leaves=90, subsample=1;
total time=
              0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num leaves=90, subsample=1; total time= 0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time= 0.2s[CV] END colsample_bytree=1,
learning rate=0.001, max_depth=7, n estimators=100, num_leaves=30,
subsample=0.9; total time=
                             0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                        0.2s
```

0.1s

num_leaves=10, subsample=1; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.3s[CV] END colsample_bytree=1,
learning_rate=0.001, max_depth=7, n_estimators=100, num_leaves=50,
subsample=0.8; total time=
                             0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=50, subsample=1; total time=
                                        0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=50, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
```

```
num_leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
                                            0.4s[CV] END colsample_bytree=1,
learning rate=0.001, max_depth=7, n estimators=100, num_leaves=70,
subsample=0.8; total time=
                             0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                        0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.3s[CV] END colsample_bytree=1,
learning rate=0.001, max_depth=7, n estimators=100, num_leaves=90,
subsample=0.7; total time=
                             0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.4s[CV] END colsample_bytree=1,
learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10,
subsample=0.7; total time=
                             0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
```

0.3s

num_leaves=10, subsample=0.9; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s[CV] END colsample_bytree=1,
learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=10,
subsample=0.9; total time=
                             0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
```

```
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=30, subsample=1; total time= 0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=50, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=50, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
```

```
num_leaves=70, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=50, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.9s[CV] END colsample bytree=1,
learning_rate=0.001, max_depth=7, n_estimators=300, num_leaves=70,
subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            1.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            1.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=90, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num leaves=90, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=300,
num_leaves=90, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                         0.8s[CV] END colsample_bytree=1,
learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=10, subsample=1;
total time=
             0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=30, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
```

```
num_leaves=30, subsample=0.7; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=30, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=50, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=50, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
```

```
num_leaves=50, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=50, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=50, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=70, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=70, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
```

```
num_leaves=70, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=70, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=70, subsample=1; total time=
                                          1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=90, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=90, subsample=0.9; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
```

```
total time=
              1.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=700,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=500,
num leaves=90, subsample=1; total time=
                                          1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=700,
num leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.5s[CV] END colsample_bytree=1,
learning_rate=0.001, max_depth=7, n_estimators=700, num_leaves=30,
subsample=0.7; total time=
```

learning_rate=0.001, max_depth=7, n_estimators=500, num_leaves=90, subsample=1;

0.7s[CV] END colsample_bytree=1,

num_leaves=10, subsample=0.7; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=30, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=30, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=30, subsample=1; total time=
                                          1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=50, subsample=0.7; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
```

```
2.0s
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=50, subsample=0.8; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=50, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.7; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.7; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
```

```
2.7s
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            2.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.9; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.9; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.8; total time=
                                            2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            2.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
```

```
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num leaves=90, subsample=0.9; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          3.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
```

```
num_leaves=90, subsample=1; total time=
                                          3.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          3.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.7; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=30, subsample=1; total time=
                                          2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=30, subsample=1; total time=
                                          2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
```

```
num_leaves=50, subsample=0.8; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            3.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=50, subsample=0.7; total time=
                                            4.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=50, subsample=0.8; total time=
                                            3.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            4.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            3.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            3.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            3.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            2.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          3.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          3.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=70, subsample=0.7; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=50, subsample=1; total time=
                                          3.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            3.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            3.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            3.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            3.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
```

```
3.0s
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=70, subsample=0.8; total time=
                                            3.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=70, subsample=0.8; total time=
                                            3.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            3.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            3.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            3.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          3.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          3.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          3.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          3.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          2.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            3.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=90, subsample=0.7; total time=
                                            3.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=90, subsample=0.8; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            3.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            3.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            3.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
```

```
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                              0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            3.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                              0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=30, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                              0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=100, num leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                              0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                              0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=50, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=50, subsample=0.7; total time=
                                                              0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=50, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                              0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=7, n estimators=900,
num leaves=90, subsample=1; total time=
                                          3.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
                                                              0.4s[CV] END
colsample bytree=1, learning rate=0.001, max depth=11, n estimators=100,
num_leaves=50, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=100, num leaves=50, subsample=1; total time=
                                                             0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                              0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                               0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                              0.5s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=70, subsample=0.7; total time=
                                                              0.6s[CV] END
colsample bytree=1, learning rate=0.001, max depth=11, n estimators=100,
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
                                                              0.4s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                              0.4s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
                                                              0.4s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=100, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                              0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=90, subsample=0.7; total time=
                                                              0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=90, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=100, num leaves=90, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=100, num leaves=90, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=100, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time=
                                                             0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=100, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=300, num leaves=10, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=300, num leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
                                                               0.4s[CV] END
colsample bytree=1, learning rate=0.001, max depth=11, n estimators=300,
num_leaves=10, subsample=0.8; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=10, subsample=1; total time=
                                                             0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=300, num leaves=30, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=30, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.6s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=50, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=300, num leaves=50, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=300, num leaves=50, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=70, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.7; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=70, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=300, num leaves=70, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=70, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=70, subsample=0.9; total time=
                                                               1.4s[CV] END
colsample bytree=1, learning rate=0.001, max depth=11, n estimators=300,
num_leaves=70, subsample=0.8; total time=
```

[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= 1.2s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= 1.8s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= 1.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= 1.2s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= 1.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=300, num_leaves=70, subsample=1; total time= 1.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,

```
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=90, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=90, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=300, num leaves=90, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=300, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=300, num leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
                                                             2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=30, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=500, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.7s[CV] END
colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
```

[CV] END colsample bytree=1, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.7s [CV] END colsample bytree=1, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 1.7s [CV] END colsample bytree=1, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=50, subsample=0.7; total time= 2.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.7s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=50, subsample=0.7; total time= 2.2s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.9; total time= 2.0s

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=70, subsample=0.7; total time=
                                                              2.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=500, num leaves=70, subsample=0.7; total time=
                                                               2.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                              2.2s[CV] END
colsample bytree=1, learning rate=0.001, max depth=11, n estimators=500,
num_leaves=70, subsample=0.8; total time=
```

[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=70, subsample=0.8; total time= 2.2s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n estimators=500, num leaves=70, subsample=0.8; total time= 2.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.7s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.8s [CV] END colsample bytree=1, learning rate=0.001, max_depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.2s [CV] END colsample bytree=1, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=70, subsample=0.9; total time= 2.4s[CV] END colsample bytree=1, learning rate=0.001, max depth=11, n_estimators=500, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=11,

```
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               2.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               2.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               3.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=500, num leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               2.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               2.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               2.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               2.8s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               2.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               3.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=90, subsample=0.9; total time=
                                                               3.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               2.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=90, subsample=0.9; total time=
                                                               2.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=10, subsample=0.8; total time=
                                                               0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=700, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
                                                             0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
                                                             0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=700, num leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
                                                             1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               3.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               3.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               3.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               3.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=50, subsample=1; total time=
                                                             3.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.3s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               3.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=70, subsample=0.7; total time=
                                                               4.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               3.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               3.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               3.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               3.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               3.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               3.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               3.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=70, subsample=0.9; total time=
                                                               3.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             4.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=700, num leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               4.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               4.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               4.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               4.4s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               4.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               5.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=90, subsample=0.8; total time=
                                                               4.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=90, subsample=0.9; total time=
                                                               4.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               5.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               4.4s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               4.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                              4.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                              0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=700, num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=900, num leaves=10, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=900, num leaves=10, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=10, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=900, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=900, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=700, num_leaves=90, subsample=1; total time=
                                                             5.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
```

```
n_estimators=700, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=900, num leaves=30, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.4s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=900, num leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=900, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=900, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.8s[CV] END
colsample bytree=1, learning rate=0.001, max depth=11, n estimators=900,
num_leaves=50, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               4.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               2.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               3.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               3.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               3.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               3.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=900, num leaves=50, subsample=0.8; total time=
                                                               3.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               3.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               3.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=900, num leaves=50, subsample=0.9; total time=
                                                               3.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=900, num leaves=50, subsample=0.9; total time=
                                                               3.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
                                                             3.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=900, num leaves=70, subsample=0.7; total time=
                                                               4.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               4.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
                                                               5.2s
n_estimators=900, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               5.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               4.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               5.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               4.7s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               4.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               4.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               5.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               5.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               5.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=900, num leaves=70, subsample=0.9; total time=
                                                               4.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               4.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               5.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               5.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               5.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               6.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n estimators=900, num leaves=90, subsample=0.7; total time=
                                                               6.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               5.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               5.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               5.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               5.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.2s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=100, num_leaves=10, subsample=0.7; total time=
                                                               0.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               5.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               6.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=100, num leaves=10, subsample=0.8; total time=
                                                               0.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=100, num leaves=10, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               6.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=0.9; total time=
                                                               0.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=100, num leaves=10, subsample=1; total time=
                                                             0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                             0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=10, subsample=1; total time=
                                                             0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               5.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.3s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=100, num_leaves=30, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=100, num leaves=30, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.8; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
                                                               5.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=100, num leaves=30, subsample=0.9; total time=
                                                               0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=100, num leaves=30, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=100, num leaves=30, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=30, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=100, num_leaves=30, subsample=1; total time=
                                                             0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=100, num leaves=30, subsample=1; total time=
                                                             0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=100, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=100, num leaves=50, subsample=0.7; total time=
                                                               0.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=100, num_leaves=50, subsample=0.7; total time=
                                                               0.4s
```

[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.4s[CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=50, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=50, subsample=0.9; total time= 0.4s[CV] END colsample bytree=1, learning rate=0.001, max depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=50, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=11, n estimators=900, num leaves=90, subsample=0.9; total time= 6.5s [CV] END colsample bytree=1, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s

[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.7s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=70, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n estimators=100, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n estimators=100, num leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.6s

[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=10, subsample=0.7; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=100, num leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.7s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= [CV] END colsample bytree=1, learning rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=1, learning rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=10, subsample=0.8; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=10, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=10, subsample=0.9; total time=
                                                               0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=300, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=300, num leaves=30, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=300, num leaves=30, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=300, num leaves=30, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=300, num leaves=30, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=0.9; total time=
                                                               0.6s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time=
                                                             0.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time=
                                                             0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time=
                                                             0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=300, num leaves=50, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=300, num leaves=50, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=300, num leaves=50, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=50, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=300, num leaves=50, subsample=0.9; total time=
                                                               0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=300, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=50, subsample=1; total time=
```

[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.3s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.5s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 2.1s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.4s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time=

[CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 2.2s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n estimators=300, num leaves=70, subsample=0.8; total time= 1.5s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 1.7s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.5s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.4s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.8s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.4s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n estimators=300, num leaves=70, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= 1.7s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.7s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 1.7s [CV] END colsample bytree=1, learning rate=0.001, max depth=15,

```
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               1.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=300, num leaves=90, subsample=0.7; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=300, num leaves=90, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.8; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=300, num leaves=90, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=300, num_leaves=90, subsample=0.9; total time=
                                                               2.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=10, subsample=0.7; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
```

```
n_estimators=300, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=300, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=10, subsample=0.9; total time=
                                                               0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=10, subsample=0.9; total time=
                                                               0.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=500, num leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=10, subsample=1; total time=
                                                             0.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=30, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.7; total time=
                                                               1.4s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
```

```
n_estimators=500, num_leaves=30, subsample=0.9; total time=
                                                               1.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=30, subsample=0.9; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
                                                             1.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
                                                             1.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
                                                             1.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=500, num leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.7; total time=
                                                               2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=50, subsample=0.8; total time=
                                                               1.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.8; total time=
                                                               1.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=50, subsample=0.9; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
```

```
n_estimators=500, num_leaves=50, subsample=1; total time=
                                                             1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
                                                             1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=500, num leaves=70, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                              2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                              2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=70, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                               2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=70, subsample=0.9; total time=
                                                              2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=70, subsample=0.9; total time=
                                                              2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
                                                              2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
```

```
n_estimators=500, num_leaves=70, subsample=1; total time=
                                                             2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=70, subsample=1; total time=
                                                             2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=90, subsample=0.7; total time=
                                                               3.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=90, subsample=0.7; total time=
                                                               2.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               3.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               3.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               2.8s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.7; total time=
                                                               3.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               2.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=500, num leaves=90, subsample=0.9; total time=
                                                               2.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.8; total time=
                                                               3.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.8s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=10, subsample=0.7; total time=
                                                               0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=90, subsample=0.9; total time=
                                                               2.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
                                                               3.8s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
```

```
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=10, subsample=0.8; total time=
                                                               0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=500, num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.8; total time=
                                                               0.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=500, num_leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.7s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
                                                               0.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=700, num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=10, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=10, subsample=1; total time=
                                                             0.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=500, num_leaves=90, subsample=1; total time=
                                                             3.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=30, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.7; total time=
                                                               1.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
```

```
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.8; total time=
                                                               1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=30, subsample=0.7; total time=
                                                               2.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=30, subsample=0.7; total time=
                                                               2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=30, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=30, subsample=0.9; total time=
                                                               1.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=700, num leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=30, subsample=1; total time=
                                                             1.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=50, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=50, subsample=0.7; total time=
                                                               2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.7; total time=
                                                               3.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
```

```
n_estimators=700, num_leaves=50, subsample=0.8; total time=
                                                               2.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=50, subsample=0.9; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=50, subsample=0.9; total time=
                                                               2.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
                                                             2.4s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=700, num leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               4.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               3.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.7; total time=
                                                               3.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               3.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                               3.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=70, subsample=0.8; total time=
                                                               3.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               3.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.8; total time=
                                                               4.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               4.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               3.4s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=70, subsample=0.9; total time=
                                                               3.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
```

```
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             3.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             3.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=70, subsample=1; total time=
                                                             4.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               4.6s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               5.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               4.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=700, num leaves=90, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               4.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=90, subsample=0.7; total time=
                                                               5.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               4.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               4.5s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.8; total time=
                                                               4.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               3.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=10, subsample=0.7; total time=
                                                               1.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               4.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               5.2s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=700, num_leaves=90, subsample=0.9; total time=
                                                               5.1s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=900, num_leaves=10, subsample=0.7; total time=
                                                               0.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
```

n_estimators=900, num_leaves=10, subsample=0.7; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=700, num leaves=90, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n estimators=900, num leaves=10, subsample=0.8; total time= 1.0s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.3s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=0.8; total time= 1.0s [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n estimators=700, num leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 1.0s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= [CV] END colsample bytree=1, learning rate=0.001, max depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9; total time= 1.3s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num leaves=10, subsample=1; total time=

[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=700, num_leaves=90, subsample=1; total time= 5.2s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 1.4s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=10, subsample=1; total time= 1.5s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.0s [CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=30, subsample=0.7; total time= 2.1s

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.7; total time=
                                                               2.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.1s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=30, subsample=0.8; total time=
                                                               2.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.8; total time=
                                                               2.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               2.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=900, num leaves=30, subsample=0.9; total time=
                                                               2.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
                                                               2.2s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=30, subsample=1; total time=
                                                             2.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=900, num leaves=30, subsample=1; total time=
                                                             2.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               3.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=50, subsample=0.7; total time=
                                                               4.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               3.5s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               4.0s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               3.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.7; total time=
                                                               4.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               3.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               3.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=50, subsample=0.8; total time=
                                                               3.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               3.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=50, subsample=0.9; total time=
                                                               3.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               2.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=0.9; total time=
                                                               3.4s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=50, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=900, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
                                                             4.0s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=900, num_leaves=50, subsample=1; total time=
                                                             4.3s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               4.9s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               5.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=900, num leaves=70, subsample=0.7; total time=
                                                               4.7s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               4.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.7; total time=
                                                               5.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               4.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               5.0s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               4.6s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.8; total time=
                                                               5.6s
```

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                              4.5s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               6.0s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
                                                               4.9s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n estimators=900, num leaves=70, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=900, num leaves=90, subsample=0.7; total time=
                                                              5.7s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               5.8s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                               6.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
                                                              7.0s
[CV] END colsample bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               5.9s
[CV] END colsample bytree=1, learning rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               6.1s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                              5.8s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
                                                               5.6s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=10, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n estimators=900, num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time= 0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=0.9; total time= 0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                        0.1s
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
```

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.1s
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time= 0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=50, subsample=0.8; total time=
                                            0.1s
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,

num_leaves=50, subsample=0.8; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=50, subsample=1; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num leaves=50, subsample=1; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num leaves=50, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 6.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=70, subsample=1; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num leaves=90, subsample=0.7; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num leaves=90, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num leaves=90, subsample=0.8; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100, num_leaves=90, subsample=1; total time= 0.1s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.1s
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
```

num_leaves=10, subsample=0.9; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.001, max depth=15,
n_estimators=900, num_leaves=90, subsample=1; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=10, subsample=1; total time= 0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                         0.3s
```

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= 0.2s
[CV] END colsample_bytree=1, learning_rate=0.001, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= 7.2s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=30, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num leaves=50, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num leaves=50, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= 0.3s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=50, subsample=1; total time= 0.4s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num leaves=70, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=70, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.2s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num leaves=90, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num leaves=90, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=300, num_leaves=90, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.4s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=10, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num leaves=30, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num leaves=30, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,

```
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
                                            0.6s
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=30, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                        0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.4s[CV] END colsample_bytree=1,
learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9;
total time=
             0.4s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.8; total time= 0.6s
 [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
- num_leaves=50, subsample=1; total time= 0.4s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= 0.4s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=50, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=50, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num leaves=70, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500, num_leaves=70, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,

```
num_leaves=70, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=90, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num leaves=90, subsample=1; total time=
                                         0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=500,
num_leaves=90, subsample=1; total time=
                                         0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,

```
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                         0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,

```
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.5s
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                         0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.7s[CV] END colsample_bytree=1,
learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8;
total time=
            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
```

0.8s

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,

num_leaves=50, subsample=0.8; total time=

num_leaves=50, subsample=0.7; total time=

num_leaves=50, subsample=0.9; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.5s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=50, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num leaves=70, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.9s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.8; total time= 0.9s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=70, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num leaves=70, subsample=1; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700, num_leaves=90, subsample=1; total time= 0.8s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample bytree=1, learning rate=0.1, max depth=3, n estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          0.6s
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,

0.8s

0.8s

0.7s

0.7s

num_leaves=10, subsample=1; total time=

num_leaves=10, subsample=1; total time=

num_leaves=30, subsample=0.7; total time=

num_leaves=30, subsample=0.7; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.9s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.7; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.8; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num leaves=30, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num leaves=30, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=0.9; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=30, subsample=1; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.7; total time= 0.9s

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num leaves=50, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=50, subsample=1; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.7; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900, num_leaves=70, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,

```
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=90, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
```

```
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                        0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                           0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                        0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=3, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
```

```
num_leaves=10, subsample=1; total time= 0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=30, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=50, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
```

```
num_leaves=50, subsample=0.7; total time= 0.2s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num leaves=50, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num leaves=50, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num leaves=50, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=50, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,

```
num_leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=70, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,

```
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                        0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,

```
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                         0.3s[CV] END colsample_bytree=1,
learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=10, subsample=0.9;
total time= 0.3s
[CV] END colsample bytree=1, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                         0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample bytree=1, learning rate=0.1, max depth=7, n estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300,
```

0.4s

num_leaves=30, subsample=1; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= 0.4s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=30, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num leaves=50, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num leaves=50, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= 0.6s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.4s
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.4s

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=50, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num leaves=70, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num leaves=70, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=70, subsample=0.9; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.4s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.5s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num leaves=90, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num leaves=90, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=300, num_leaves=90, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.7s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num leaves=10, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num leaves=10, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=10, subsample=1; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=30, subsample=0.8; total time= 1.0s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.0s
[CV] END colsample bytree=1, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample bytree=1, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=30, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=0.1, max depth=7, n estimators=500,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500,
```

0.6s

num_leaves=50, subsample=1; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= 0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.1s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=50, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num leaves=70, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num leaves=70, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.7; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=70, subsample=1; total time= 0.8s

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.0s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=500, num_leaves=90, subsample=1; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.8s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.7; total time= 1.1s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.8; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num leaves=10, subsample=0.8; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num leaves=10, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=0.9; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=10, subsample=1; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=30, subsample=0.8; total time= 0.9s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=7, n estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=30, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.2s
[CV] END colsample bytree=1, learning rate=0.1, max depth=7, n estimators=700,
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
```

num_leaves=50, subsample=0.9; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            0.9s
[CV] END colsample bytree=1, learning rate=0.1, max depth=7, n estimators=700,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=7, n estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample bytree=1, learning rate=0.1, max depth=7, n estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
```

num_leaves=70, subsample=0.9; total time=

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= 1.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=70, subsample=1; total time= 1.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.7; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num leaves=90, subsample=0.8; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num leaves=90, subsample=0.7; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.8; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 0.9s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=1; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700, num_leaves=90, subsample=0.9; total time= 1.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,

```
num_leaves=90, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=700,
num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
```

```
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=30, subsample=1; total time=
                                          1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time= 1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          2.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
```

```
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=50, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=70, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
```

```
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=70, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=90, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
```

```
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num leaves=90, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num leaves=10, subsample=1; total time=
                                         0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num leaves=10, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                         1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=0.9; total time= 1.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=10, subsample=1; total time= 0.2s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.7; total time= 0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
```

```
num_leaves=90, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num leaves=30, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=7, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=0.8; total time=
                                            0.4s[CV] END colsample_bytree=1,
learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=30, subsample=1;
total time=
             0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=30, subsample=1; total time=
                                         0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=50, subsample=0.7; total time=
                                            0.2s
```

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.2s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num leaves=50, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num leaves=50, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
```

- num_leaves=70, subsample=0.7; total time= 0.4s
 [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
 num_leaves=70, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=70, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,

```
num_leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num leaves=90, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num leaves=90, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=90, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=90, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=100,
num_leaves=90, subsample=1; total time= 0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.7; total time= 0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=100,
num_leaves=90, subsample=1; total time= 0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.7; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.4s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
```

```
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=10, subsample=0.9; total time= 0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=10, subsample=1; total time=
                                          0.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=1; total time=
                                          0.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.7; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=30, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
```

```
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=30, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=50, subsample=0.7; total time= 0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=30, subsample=1; total time=
                                        0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=50, subsample=1; total time=
                                        0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=0.9; total time= 0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=50, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.7; total time= 0.6s
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,

```
num_leaves=50, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=70, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                        0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=70, subsample=1; total time=
                                        0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300,
num_leaves=70, subsample=1; total time= 0.9s[CV] END colsample_bytree=1,
learning rate=0.1, max depth=11, n_estimators=300, num leaves=90, subsample=0.8;
```

[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.6s [CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=300, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=300, num_leaves=90, subsample=0.8; total time= 0.9s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.8s [CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300, num leaves=90, subsample=0.9; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300, num leaves=90, subsample=1; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= 0.6s [CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=300, num_leaves=90, subsample=1; total time= 0.9s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.6s [CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=300, num_leaves=90, subsample=1; total time= 0.9s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.8s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.6s [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,

0.8s

num_leaves=10, subsample=0.7; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                         0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            0.8s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.4s[CV] END colsample_bytree=1,
learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=30, subsample=0.8;
```

total time=

1.3s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num leaves=30, subsample=1; total time= 0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num leaves=30, subsample=1; total time= 0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                           1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.1s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=500,
num_leaves=50, subsample=0.7; total time= 1.1s[CV] END colsample_bytree=1,
learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=50, subsample=0.7;
total time=
              1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
                                            1.0s
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.0s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                         1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
```

num_leaves=50, subsample=0.9; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          0.9s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
                                            0.9s
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num leaves=70, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.2s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=500,
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,
```

1.0s

num_leaves=70, subsample=1; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.9s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.3s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700, num leaves=10, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500, num_leaves=90, subsample=1; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=500,

```
num_leaves=90, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=10, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=0.8; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          0.7s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=10, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=30, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
```

```
num_leaves=30, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=30, subsample=0.8; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=30, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.3s[CV] END colsample_bytree=1,
learning_rate=0.1, max_depth=11, n_estimators=700, num_leaves=50, subsample=0.7;
total time=
             1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.5s
```

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.9; total time= 1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=50, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=50, subsample=1; total time=
                                          1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
                                            1.3s
num_leaves=70, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            1.5s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          1.4s
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,

num_leaves=70, subsample=0.9; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          1.4s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=700,
num_leaves=70, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=0.7; total time= 1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                         1.5s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                           1.5s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
                                            1.3s
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            1.4s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
```

num_leaves=10, subsample=0.7; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=900,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            1.4s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                          2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num leaves=10, subsample=0.8; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                        0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                          1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
```

1.7s

num_leaves=30, subsample=0.7; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num leaves=30, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num leaves=30, subsample=0.9; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.6s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
```

num_leaves=50, subsample=0.8; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            1.9s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=900,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num leaves=50, subsample=0.9; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num leaves=50, subsample=1; total time=
                                          1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          2.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            1.7s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
```

num_leaves=70, subsample=0.8; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=70, subsample=1; total time=
                                          1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num leaves=90, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num leaves=90, subsample=0.7; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=90, subsample=0.7; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
                                            2.0s
num_leaves=90, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            2.1s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=900,
num_leaves=90, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
```

2.2s

num_leaves=90, subsample=0.8; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.7; total time=
                                            0.2s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=100,
num_leaves=10, subsample=0.8; total time=
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.8; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                            0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num leaves=90, subsample=0.9; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num leaves=10, subsample=0.9; total time=
                                            0.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=11, n_estimators=900,
num_leaves=90, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample bytree=1, learning rate=0.1, max depth=11, n estimators=900,
num_leaves=90, subsample=1; total time=
                                          1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=10, subsample=1; total time=
                                          0.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
num_leaves=30, subsample=0.7; total time=
                                            0.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,
```

0.3s

num_leaves=30, subsample=0.7; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.3s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900, num_leaves=90, subsample=1; total time= 2.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num leaves=50, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=30, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100,

```
num_leaves=50, subsample=0.7; total time= 0.3s[CV] END colsample_bytree=1,
learning_rate=0.1, max_depth=11, n_estimators=900, num_leaves=90, subsample=1;
total time= 2.7s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=11, n_estimators=900, num leaves=90, subsample=1; total time= 2.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num leaves=50, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=0.9; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=50, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.3s

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=0.8; total time= 0.5s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=70, subsample=1; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.7; total time= 0.5s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num leaves=90, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=100, num_leaves=90, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.7; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.8; total time= 0.5s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=0.9; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=10, subsample=1; total time= 0.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num leaves=30, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num leaves=30, subsample=0.7; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.8; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.7s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.7s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=30, subsample=1; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num leaves=50, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num leaves=50, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.7; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=50, subsample=1; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.9s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.6s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num leaves=70, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num leaves=70, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=0.9; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=70, subsample=1; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.7s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.7s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.8; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num leaves=90, subsample=0.8; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num leaves=90, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=300, num_leaves=90, subsample=1; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.9; total time= 0.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=10, subsample=0.8; total time= 0.6s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=500,
num_leaves=10, subsample=0.8; total time=
                                            0.8s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.7s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=500,
num_leaves=10, subsample=0.9; total time=
                                            0.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=10, subsample=1; total time=
                                          0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.0s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
```

1.0s

num_leaves=30, subsample=1; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=1; total time=
                                          1.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num leaves=50, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
                                            1.3s
num_leaves=50, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.3s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=500,
num_leaves=50, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=50, subsample=0.9; total time= 1.7s

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,

num_leaves=50, subsample=0.9; total time=

num_leaves=50, subsample=1; total time=

num_leaves=50, subsample=1; total time=

num_leaves=50, subsample=1; total time=

1.1s

1.2s

1.2s

1.2s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.3s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=500,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=50, subsample=1; total time=
                                          1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num leaves=70, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.8; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
num_leaves=70, subsample=1; total time=
                                          1.2s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.8; total time= 1.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=0.9; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=70, subsample=1; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.4s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500,
```

- num_leaves=90, subsample=0.7; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.7; total time= 1.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.8; total time= 1.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num leaves=90, subsample=0.8; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= 1.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=0.9; total time= 1.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= 1.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= 1.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.7; total time= 1.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= 1.3s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=500, num_leaves=90, subsample=1; total time= 1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
```

- num_leaves=10, subsample=0.8; total time= 0.8s
 [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
 num_leaves=10, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.8; total time= 1.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= 0.9s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num leaves=10, subsample=1; total time= 0.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num leaves=10, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 1.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=0.9; total time= 1.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= 0.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=10, subsample=1; total time= 1.2s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 1.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.8; total time= 1.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.9; total time= 1.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=30, subsample=0.7; total time= 2.2s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=30, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            2.0s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.5s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=700,
num_leaves=30, subsample=0.9; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num leaves=30, subsample=1; total time=
                                          1.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=30, subsample=1; total time=
                                          2.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.6s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.8; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.9; total time=
                                            1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=50, subsample=0.7; total time=
                                            2.7s
```

1.7s

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,

num_leaves=50, subsample=0.9; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 1.8s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= 1.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= 1.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=50, subsample=0.9; total time= 2.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= 2.0s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=50, subsample=1; total time= 2.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num leaves=50, subsample=1; total time= 2.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 2.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.7; total time= 1.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.8; total time= 2.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=0.9; total time= 2.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= 1.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700, num_leaves=70, subsample=1; total time= 1.8s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=70, subsample=1; total time=
                                          1.7s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=700,
num_leaves=70, subsample=1; total time=
                                          1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            2.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.7; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num leaves=90, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.8; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            1.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            1.7s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=700,
num_leaves=90, subsample=1; total time=
                                          1.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=0.9; total time=
                                            1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                            0.9s
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,

num_leaves=10, subsample=0.7; total time=

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.7; total time=
                                            1.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.8; total time=
                                           0.9s
[CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=700,
num_leaves=90, subsample=1; total time=
                                        1.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.8; total time= 1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.8; total time= 1.0s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=1; total time= 2.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                         2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.8; total time= 1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=700,
num_leaves=90, subsample=1; total time=
                                         2.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.9; total time= 1.0s[CV] END colsample_bytree=1,
learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=10, subsample=0.9;
total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.9; total time=
                                           1.0s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=1; total time= 1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=0.9; total time= 1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         1.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                         0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num leaves=10, subsample=0.9; total time= 1.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num leaves=10, subsample=1; total time= 0.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=10, subsample=1; total time=
                                        1.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                           2.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                           2.0s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
```

[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,

2.1s

num_leaves=30, subsample=0.8; total time=

```
num_leaves=30, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num leaves=30, subsample=0.9; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num leaves=30, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.7; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.8; total time=
                                            3.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.9; total time=
                                            2.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                         2.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=0.9; total time= 2.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          2.1s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=1; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=30, subsample=1; total time=
                                          2.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num leaves=50, subsample=0.7; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num leaves=50, subsample=0.8; total time=
                                            2.3s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            3.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            3.8s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=0.7; total time=
                                            3.7s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
```

```
num_leaves=50, subsample=0.8; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=0.8; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num leaves=50, subsample=0.9; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num leaves=50, subsample=0.9; total time=
                                            3.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=0.9; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=1; total time=
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          2.5s
[CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            2.4s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          2.9s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                         3.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            2.5s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=50, subsample=1; total time=
                                          3.0s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.7; total time=
                                            3.1s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num leaves=70, subsample=0.7; total time=
                                            2.8s[CV] END colsample bytree=1,
learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.8;
total time=
              2.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            2.2s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            2.6s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.8; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            2.8s
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
num_leaves=70, subsample=0.9; total time=
                                            2.4s
```

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= 2.5s
```

- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 2.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 3.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=70, subsample=0.9; total time= 3.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= 2.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= 2.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= 2.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=70, subsample=1; total time= 3.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num leaves=90, subsample=0.7; total time= 2.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 2.8s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.7; total time= 3.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.6s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 2.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 3.3s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.5s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.8; total time= 3.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.7s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 2.4s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=0.9; total time= 3.1s
- [CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900, num_leaves=90, subsample=1; total time= 2.2s

```
[CV] END colsample_bytree=1, learning_rate=0.1, max_depth=15, n_estimators=900,
    num_leaves=90, subsample=1; total time=
                                                2.1s
    [CV] END colsample_bytree=1, learning rate=0.1, max_depth=15, n_estimators=900,
    num_leaves=90, subsample=1; total time=
                                                2.1s
    [CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=900,
    num leaves=90, subsample=1; total time=
                                                2.0s
    [CV] END colsample bytree=1, learning rate=0.1, max depth=15, n estimators=900,
    num_leaves=90, subsample=1; total time=
                                                1.8s
    Best parameters: {'colsample_bytree': 0.7, 'learning_rate': 0.1, 'max_depth':
    7, 'n_estimators': 900, 'num_leaves': 30, 'subsample': 0.7}
    Best cross-validation score: 0.8784135655430839
    Score on test set: 0.8894490540930118
Г ]: #
     from sklearn.ensemble import RandomForestRegressor
     model = RandomForestRegressor()
     params = {'criterion': ['gini', 'entropy'],
               'max_depth': np.arange(3, 16, 2),
                'max features': ['auto', 'sqrt', 'log2'],
                'min_samples_leaf': np.arange(3, 15, 2),
                'min_samples_split': np.arange(3, 15, 2),
                'n_estimators' : np.arange(100, 1100, 100) }
     grid_search = GridSearchCV(model, params, cv=10, verbose=3, n_jobs=-1)
     grid_search.fit(X_train, y_train)
     print('Best parameters: ', grid_search.best_params_)
     print('Best cross-validation score: ', grid_search.best_score_)
     best_model = grid_search.best_estimator_
     print('Score on test set: ', best_model.score(X_test, y_test))
             --random forest starts-----------[Parallel(n_jobs=-1)]: Done 7560 out of 7560
    elapsed: 3.0min finished ('Best parameters:', {'max features': 'auto', 'min samples split': 5,
    \label{lem:max_depth} $$\max_{depth': 13, min\_samples\_leaf': 3}) $$ (Best cross-validation score:, 0.8485611469873839) $$
    ('Score on test set:', 0.8261229514037156) ———-random forest ends-
[ ]: # GBDT
     from sklearn.ensemble import GradientBoostingRegressor
     model = GradientBoostingRegressor()
     params = {'n estimators': [50, 100, 200, 300, 400, 500, 600, 700, 800, 900, __
      →1000],
                  'max_depth': [1, 2, 3, 5, 7, 10],
                 # 'min samples split': np.arange(3, 16, 2),
                 # 'min_samples_leaf': np.arange(3, 16, 2),
```

```
[]: # Adaboost
from sklearn.ensemble import AdaBoostRegressor
model = AdaBoostRegressor()
params = {
        'n_estimators': np.arange(50, 1100, 100),
        'learning_rate': [0.1, 0.5, 1],
        'loss': ['linear', 'square', 'exponential']
}
grid_search = GridSearchCV(model, params, cv=10, verbose=1, n_jobs=-1)
grid_search.fit(X_train, y_train)

#
print('Best parameters: ', grid_search.best_params_)
print('Best cross-validation score: ', grid_search.best_score_)

#
best_model = grid_search.best_estimator_
print('Score on test set: ', best_model.score(X_test, y_test))
```

```
[]: # # Adaboost
     # from sklearn.ensemble import AdaBoostRegressor
     # i = 10
     # clf = AdaBoostRegressor(n_estimators=i)
     # clf.fit(X_train, y_train)
     # print("R", clf.score(X_validation, y_validation))
     # print("RMSE", np.sqrt(mean_squared_error(clf.predict(X_validation),_
      \rightarrow y_validation)))
     # print("MAE", mean absolute error(clf.predict(X validation), y validation))
     # print("RMSLE", mean_squared_log_error(clf.predict(X_validation),_
      \hookrightarrow y \ validation))
    R 0.7729781975502361
    RMSE 4286431.008031562
    MAE 2043267.1213696746
    RMSLE 1.5085553838770587
[]: # list_adaboost # adaboost: 10, 0.6945326685800794
     # n_list_lbm = np.array(list_lightgbm) # leaves, depth, n, score : 31, 19, 500, u
     →0.8007898902056965
     # list randomforest # [80, 0.7839175337533079]
```

1 Adaboost

0.7678737783884331 R 4334351.772382652 RMSE 2034372.1610311233 MAE 1.4164760588279637 RMSLE

list_gbdt # [n = 600, 0.8264955831199144] # catboost defalt: 0.8027687798692258

list_xqboost # [60, 20, 0.7812782293507701]

2 Xgboost

0.8868637133128766 R 3025958.826846494 RMSE 923966.9140471614 MAE 0.15334408868795865 RMSLE

3 lgb

0.8948018678333571 R 2917870.8720710855 RMSE

863827.241753701 MAE

4

0.8810732244650263 R 3102429.1779398853 RMSE 971012.3118455497 MAE 0.15934332311326996 RMSLE

5 GBDT

 $\begin{array}{c} 0.900796741780507 \ \mathrm{R} \\ \\ 2833511.7791834464 \ \mathrm{RMSE} \\ \\ 948986.9158787137 \ \mathrm{MAE} \end{array}$

6 Catboost

 $\begin{array}{c} 0.8959925992883182 \ \mathrm{R} \\ \\ 2901310.272421131 \ \mathrm{RMSE} \\ \\ 879135.1904306137 \ \mathrm{MAE} \end{array}$