

```
In [1]: import numpy as np
import pandas as pd
```

```
import matplotlib.pyplot as plt
import seaborn as sns
```

```
In [2]: # Import das base
```

```
df_treino = pd.read_csv("train.csv")
df_treino.head()
```

```
Out[2]:
```

	016399044a	023c68873b	0342faceb5	04e7268385	06888ceac9	072b7
0	6447	d19e3b17239b50f7055ea4ea09f15e5a	5372	35812	1	171.4
1	6416	9f40ab30d26568e05668bf85381dc475	5407	36031	1	198.6
2	6322	9d4444651ceac919e4fee3ea44bbf44f	5381	35959	1	215.1
3	6479	53116e9d726bcf4c0a5136460ce4036f	5299	35847	1	5610.9
4	6425	b7d2fb1493994729b2cadc6716cde91e	5386	36016	1	306.8

5 rows × 108 columns

```
In [3]: ### Separando variáveis quantitativas e categóricas
```

```
df_cat = df_treino.select_dtypes(include="object")
df_quantitativas = df_treino.drop(df_cat.columns, axis=1)
```

```
In [4]:
```

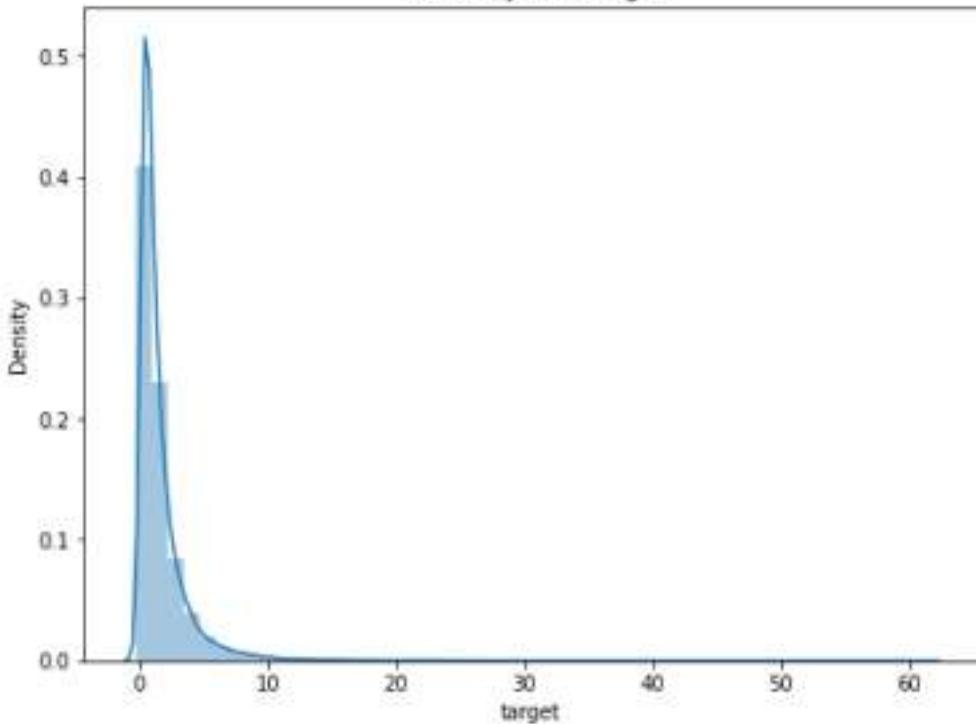
## Visualizando a distribuição do target

---

```
In [4]: plt.figure(figsize=(8, 6))
sns.distplot(df_treino["target"])
plt.title("Distribuição do target")
plt.show()
# O target é assimétrico à direita, o que é um problema, já que queremos que ele seja
# de uma distribuição normal
```

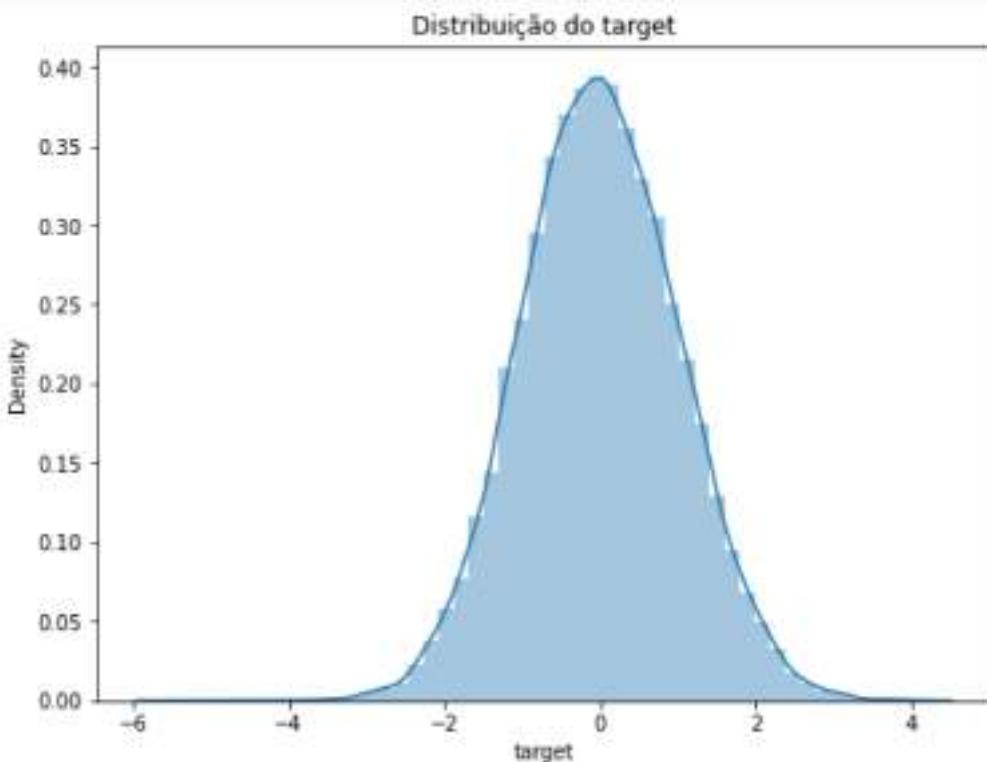
C:\Users\Lucas\anaconda3\lib\site-packages\seaborn\distributions.py:2619: FutureWarning: 'distplot' is a deprecated function and will be removed in a future version. Please adapt your code to use either 'displot' (a figure-level function with similar flexibility) or 'histplot' (an axes-level function for histograms).  
warnings.warn(msg, FutureWarning)

Distribuição do target



```
In [5]: plt.figure(figsize=(8, 6))
sns.distplot(np.log(df_treino["target"]))
plt.title("Distribuição do target")
plt.show()
## Variável após transformação Log
```

```
C:\Users\Lucas\anaconda3\lib\site-packages\pandas\core\arraylike.py:397: RuntimeWarning: invalid value encountered in log
    result = getattr(ufunc, method)(*inputs, **kwargs)
C:\Users\Lucas\anaconda3\lib\site-packages\seaborn\distributions.py:2619: FutureWarning: 'distplot' is a deprecated function and will be removed in a future version. Please adapt your code to use either 'displot' (a figure-level function with similar flexibility) or 'histplot' (an axes-level function for histograms).
    warnings.warn(msg, FutureWarning)
```

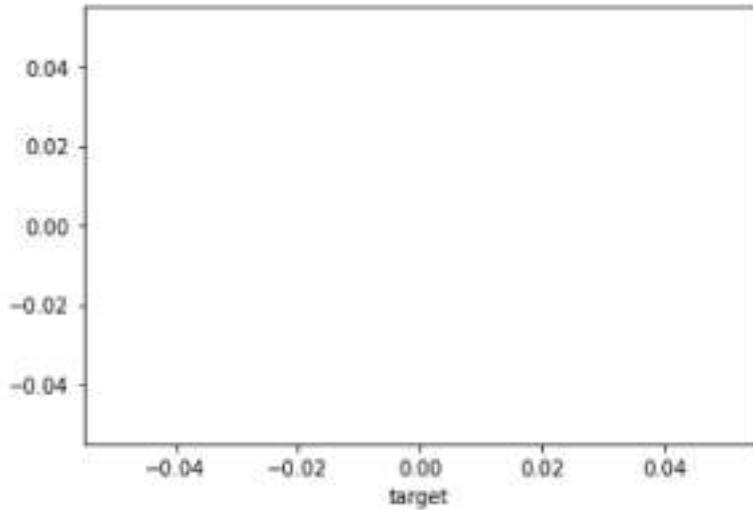


# Visualizando como as variáveis se comportam em relação ao target

```
In [6]: sns.scatterplot(data=df_quantitativas, x=np.log(df_quantitativas["target"]))
```

```
C:\Users\Lucas\anaconda3\lib\site-packages\pandas\core\arraylike.py:397: RuntimeWarning: invalid value encountered in log
    result = getattr(ufunc, method)(*inputs, **kwargs)
<AxesSubplot:xlabel='target'>
```

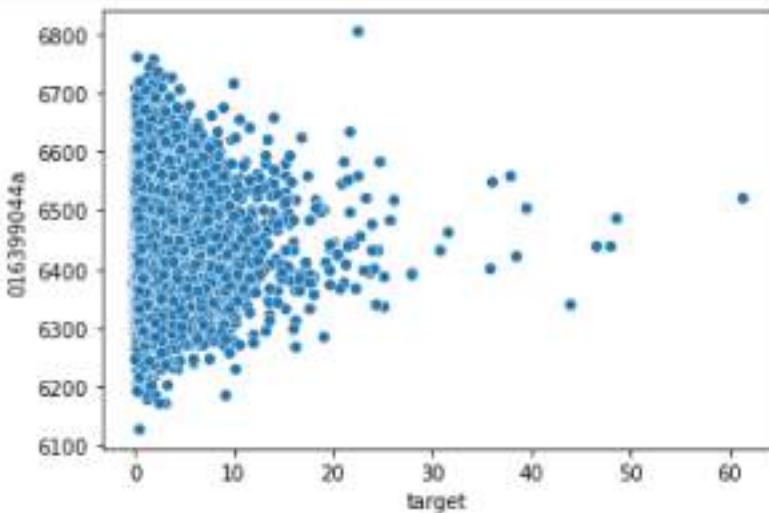
```
Out[6]:
```

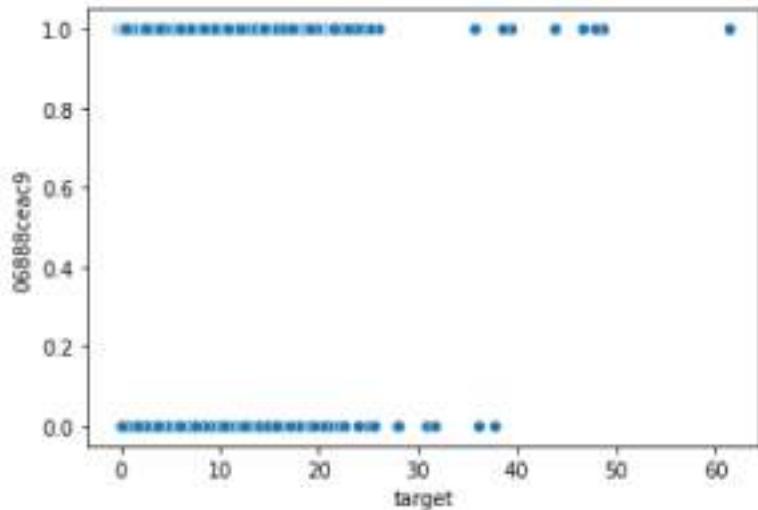
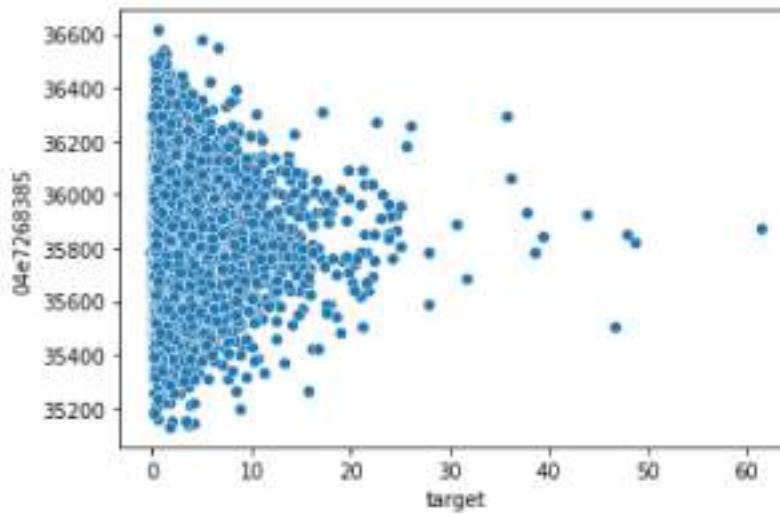
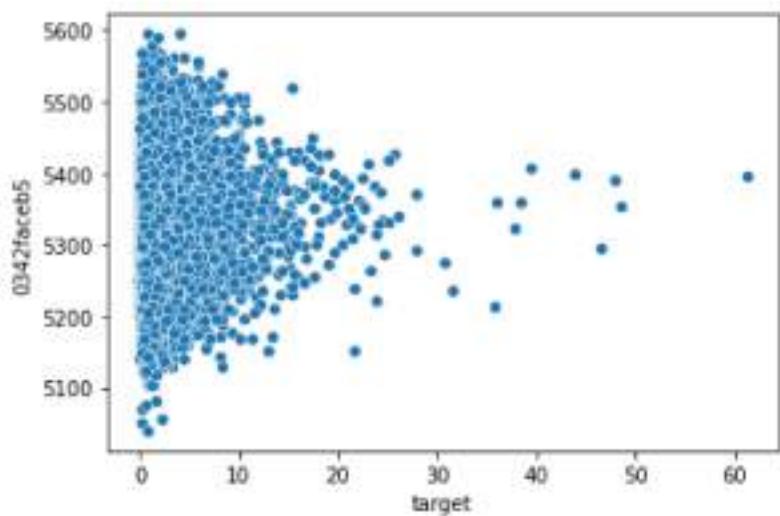


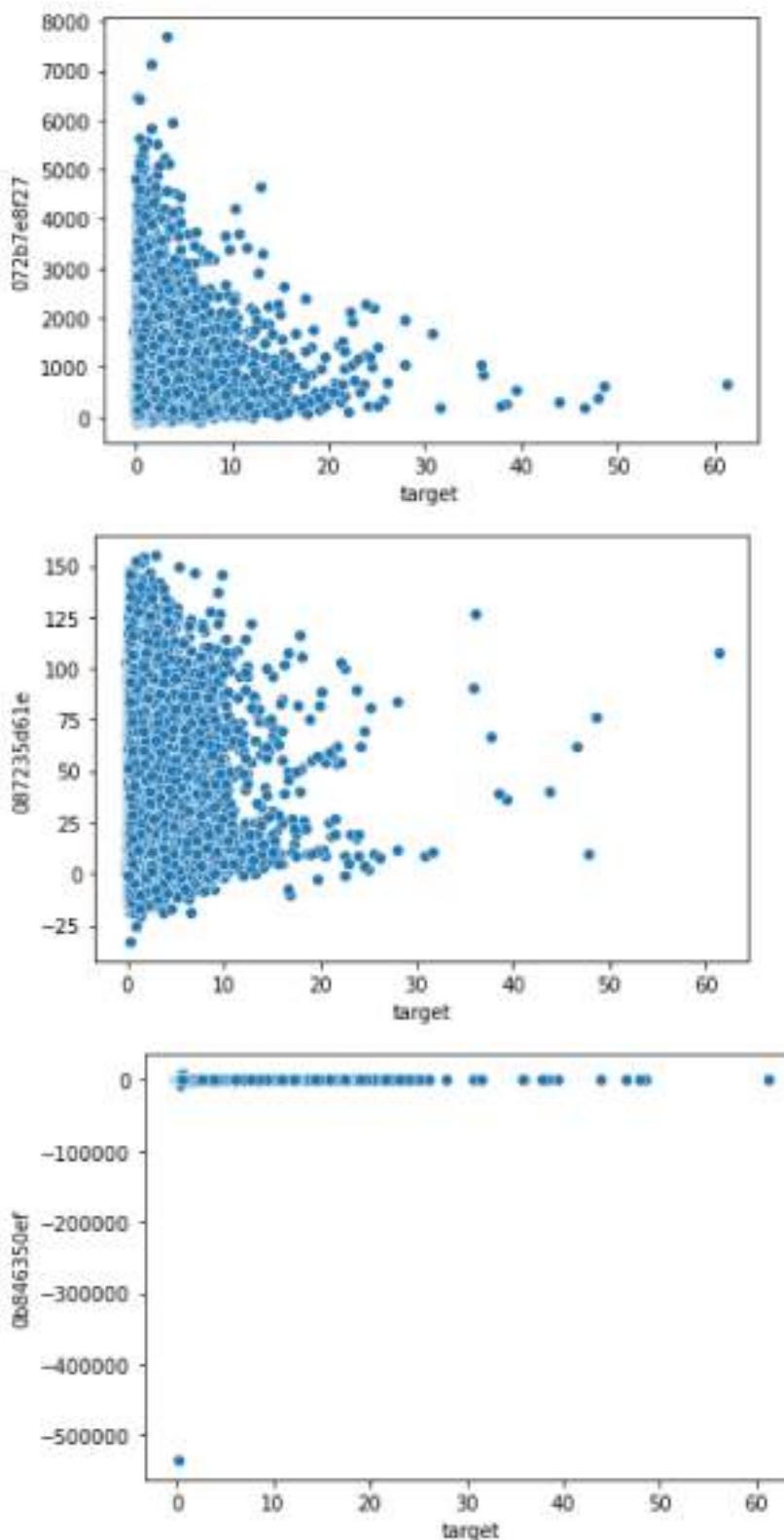
```
In [7]: for coluna in df_quantitativas.columns:
    plt.figure(figsize=(6, 4))
    sns.scatterplot(data=df_quantitativas, x="target", y=coluna)
```

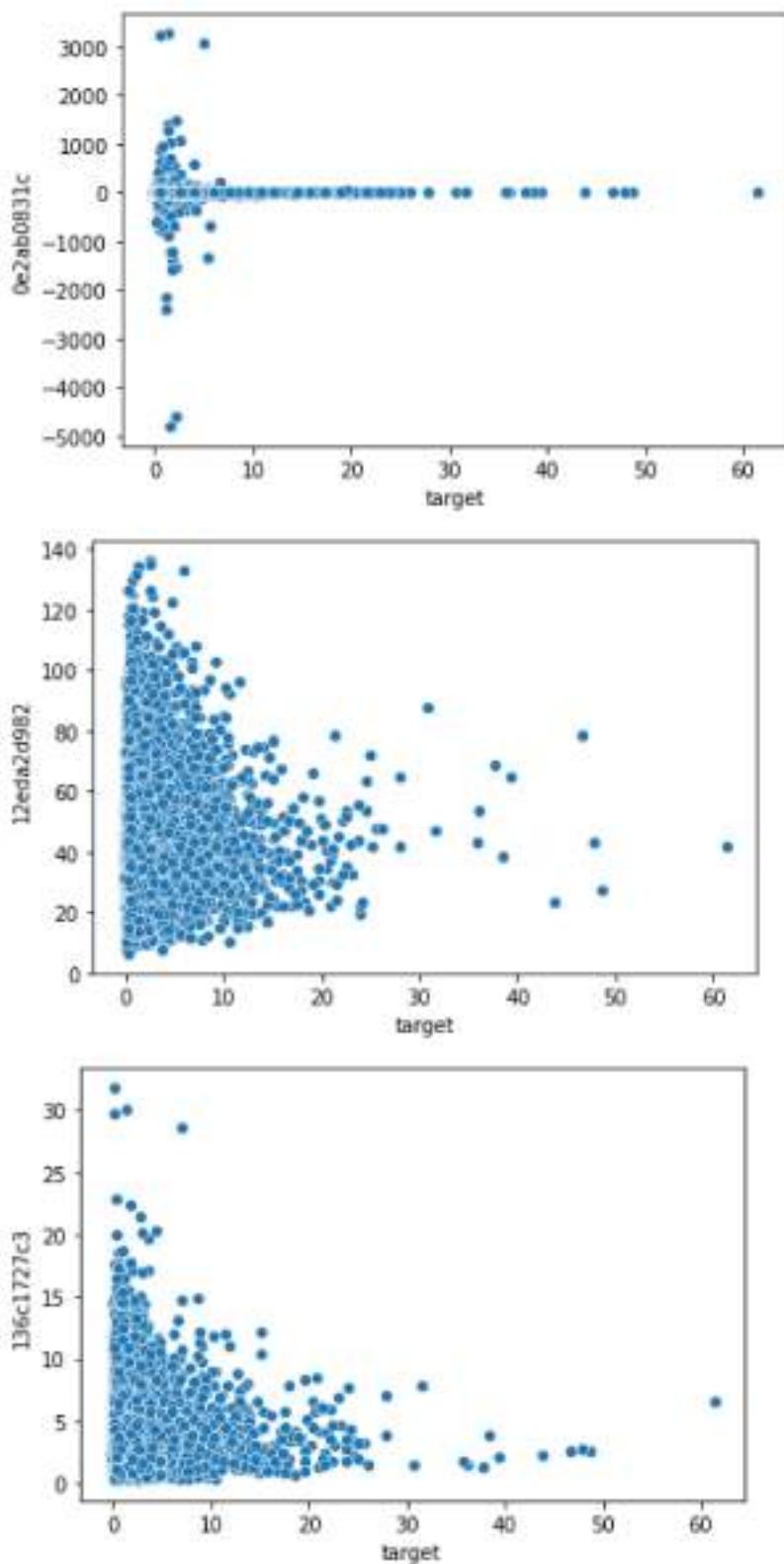
```
C:\Users\Lucas\AppData\Local\Temp\ipykernel_21836\2318225719.py:2: RuntimeWarning:
More than 20 figures have been opened. Figures created through the pyplot interface ('matplotlib.pyplot.figure') are retained until explicitly closed and may consume too much memory. (To control this warning, see the rcParam 'figure.max_open_warning').
```

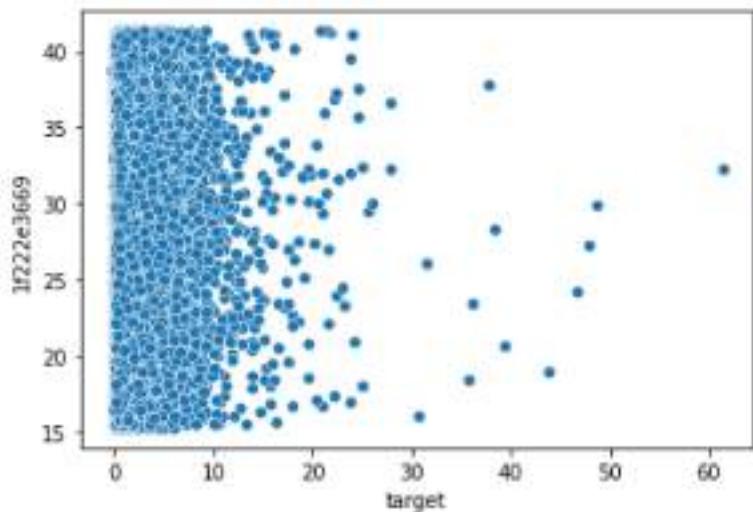
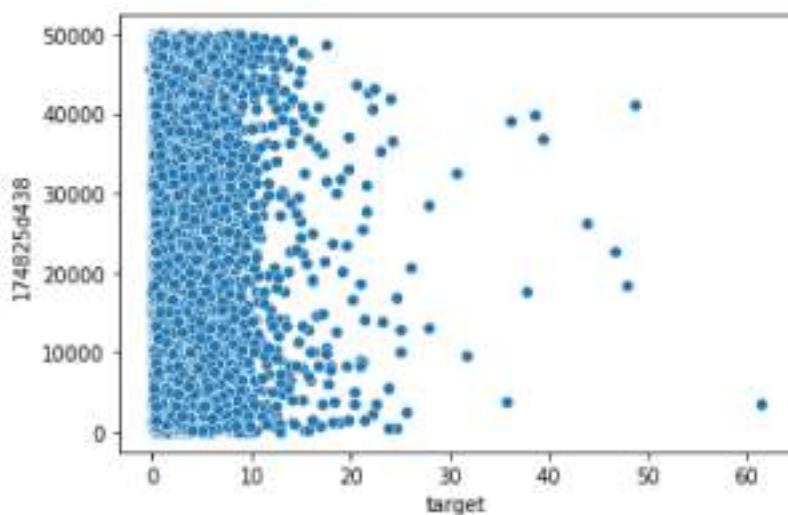
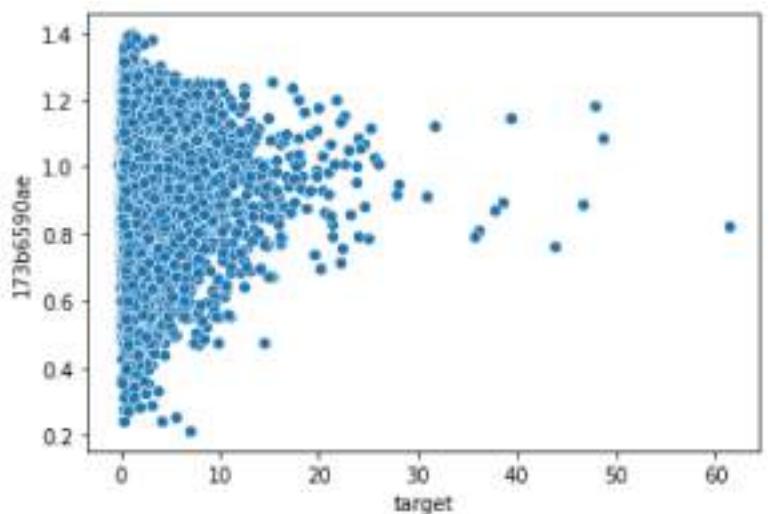
```
plt.figure(figsize=(6, 4))
```

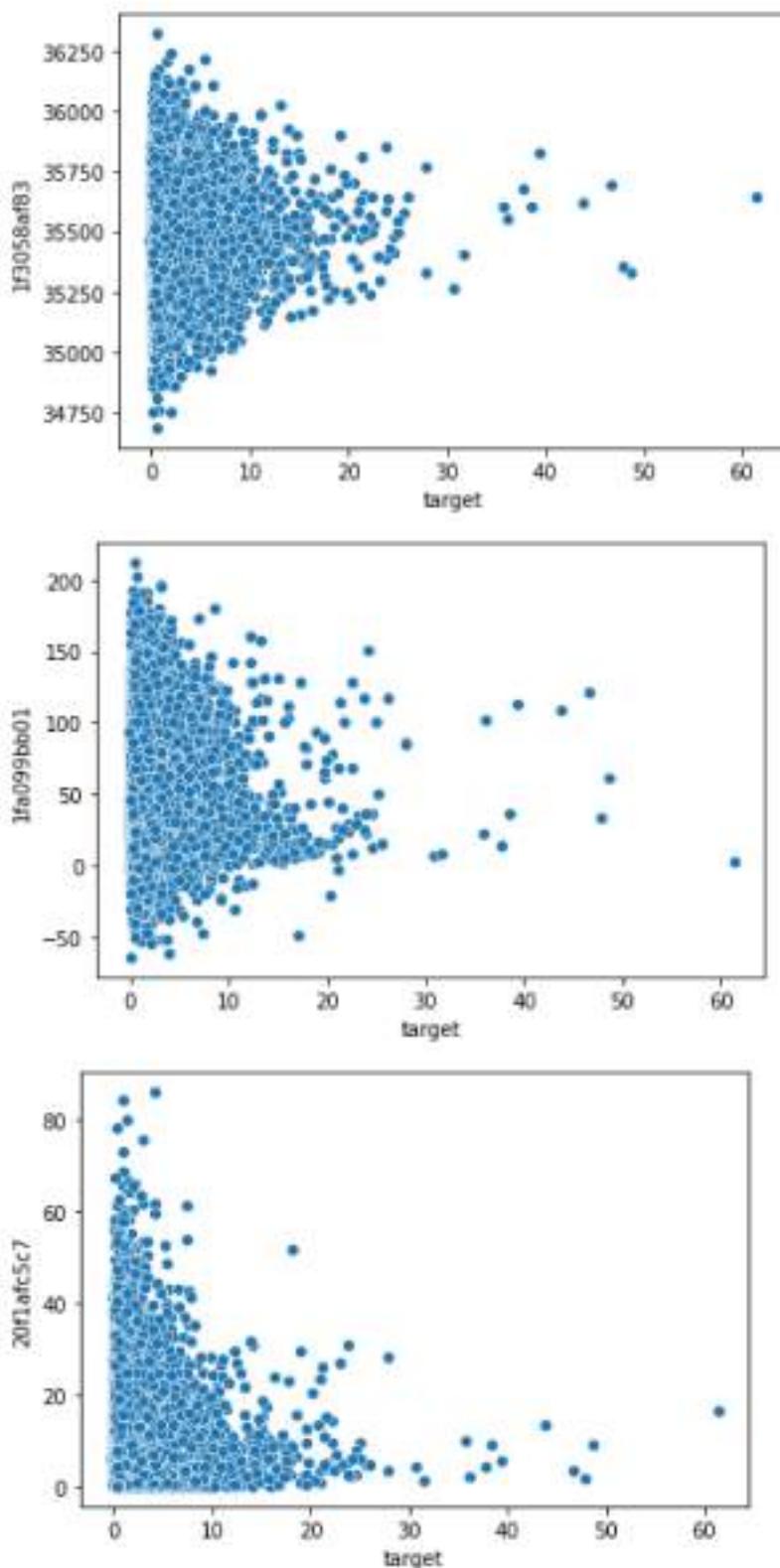


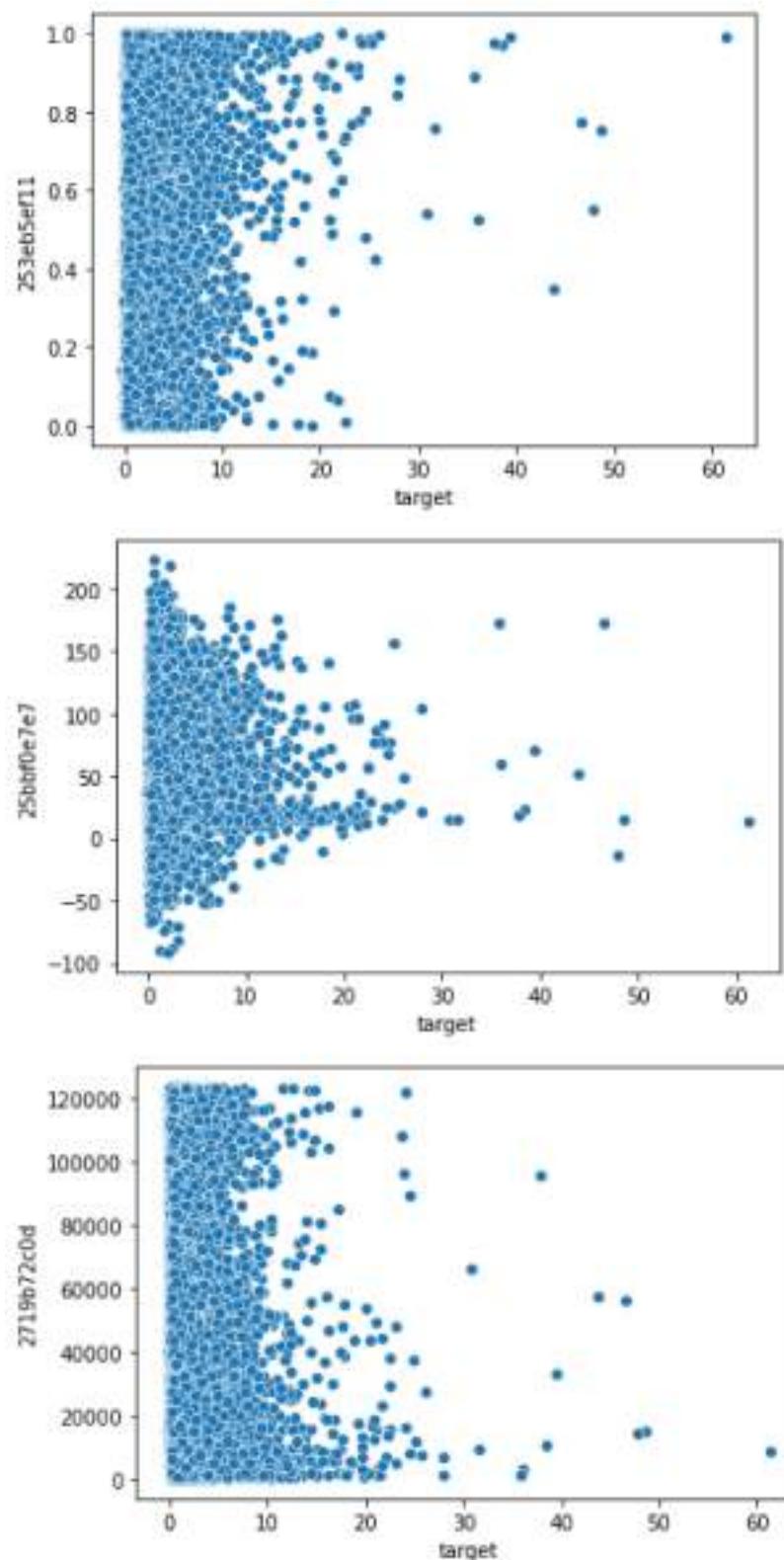


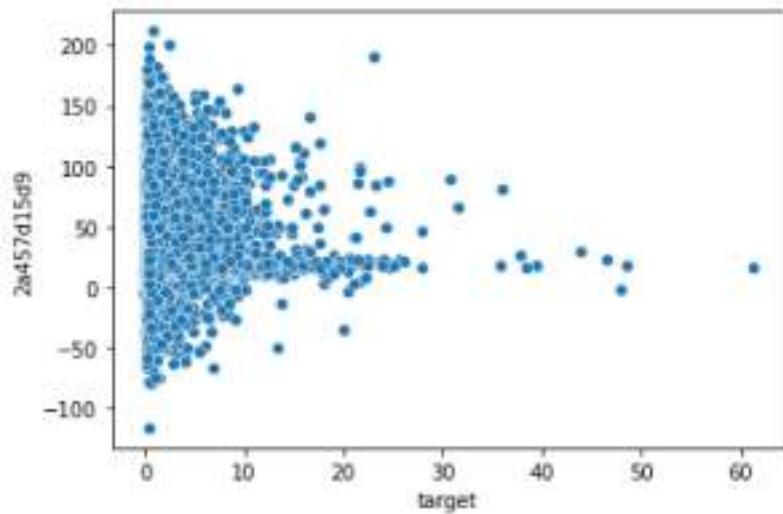
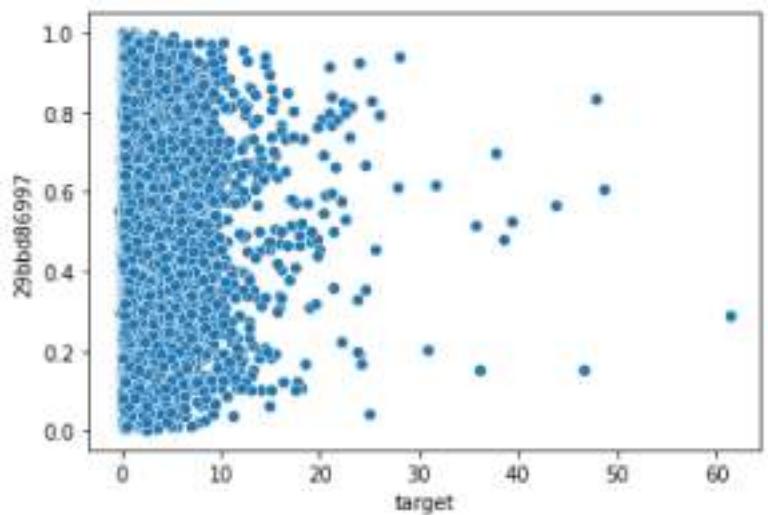
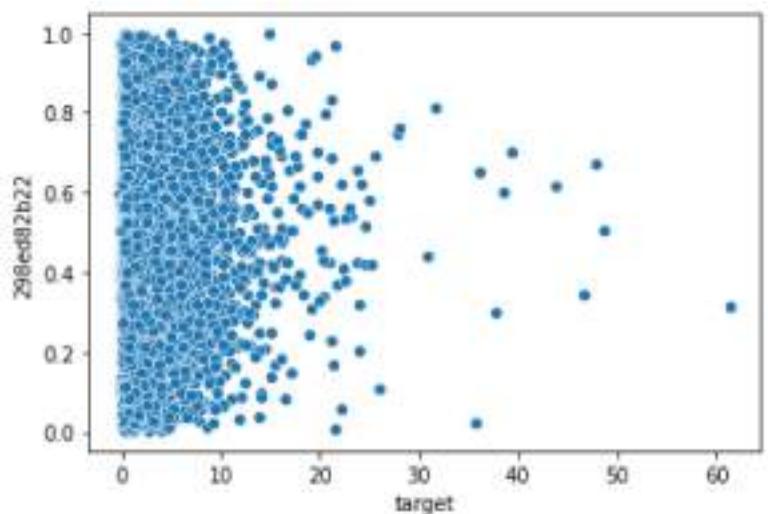


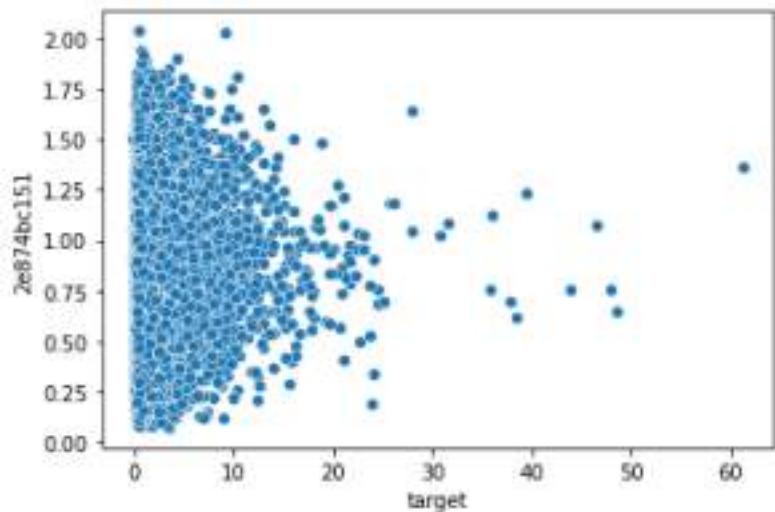
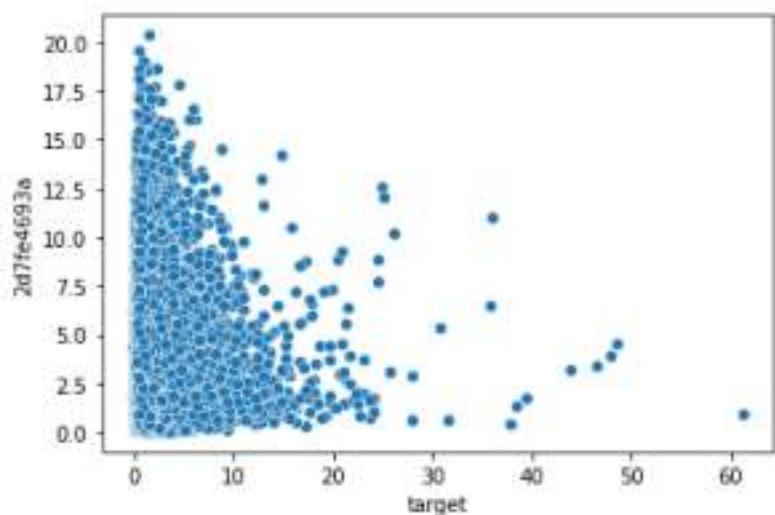
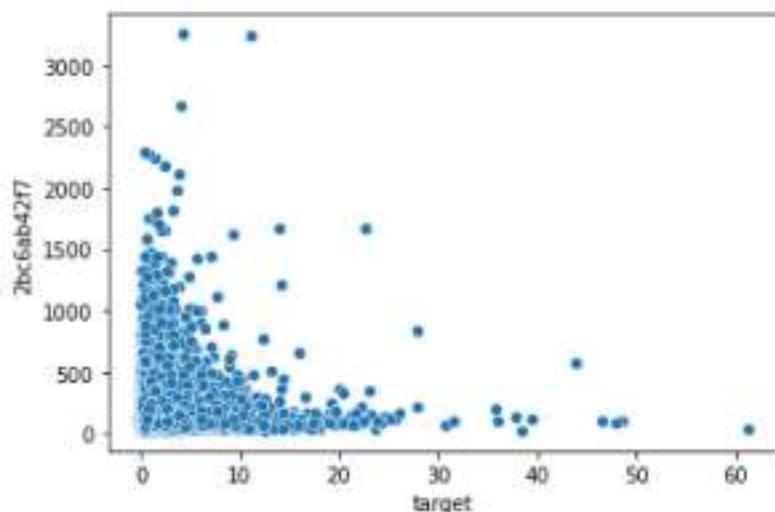


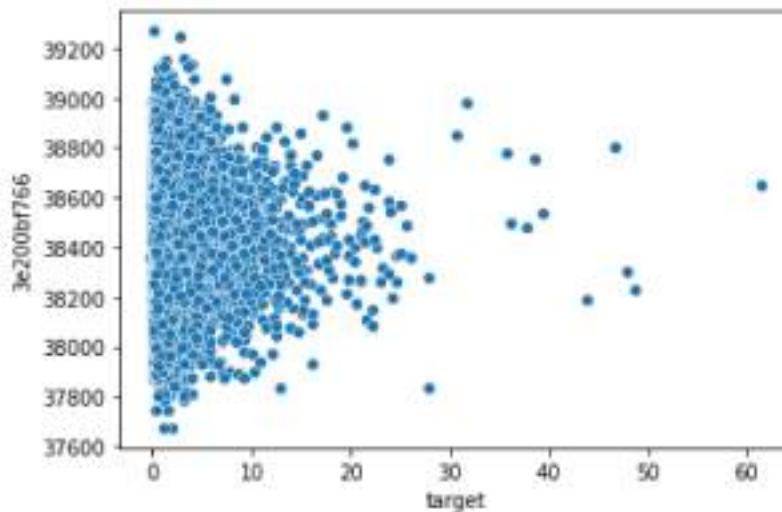
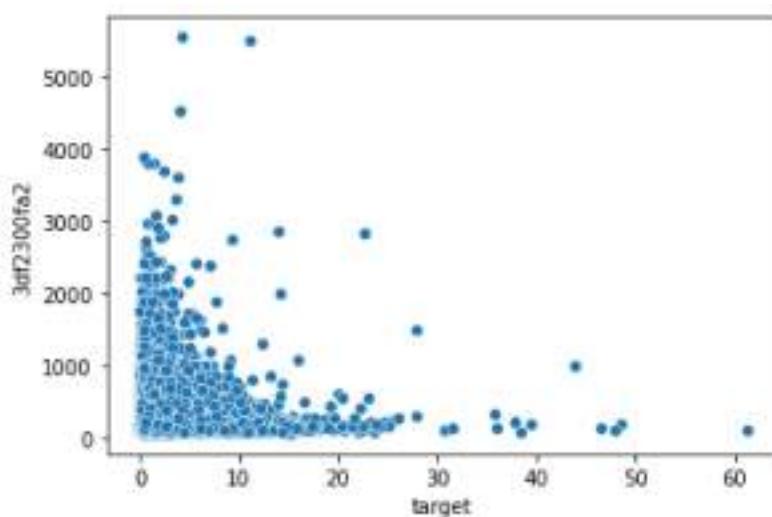
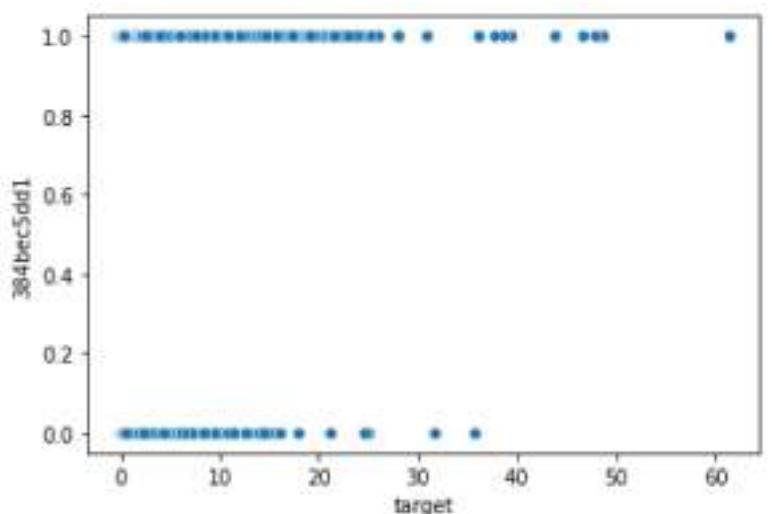


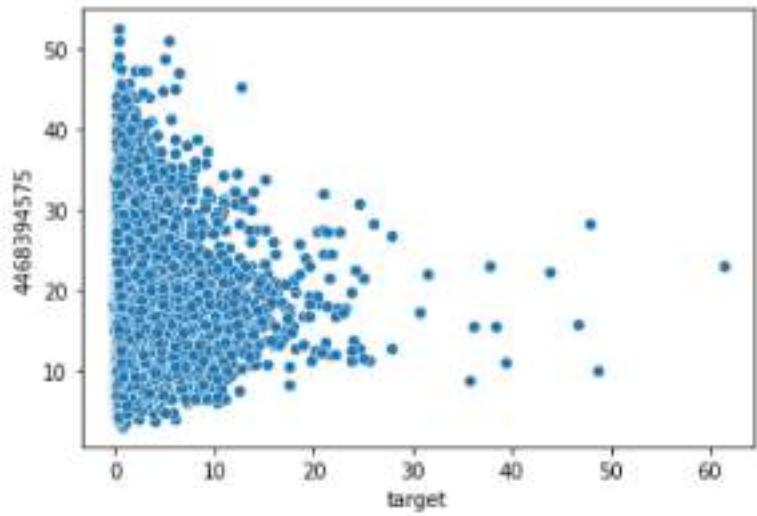
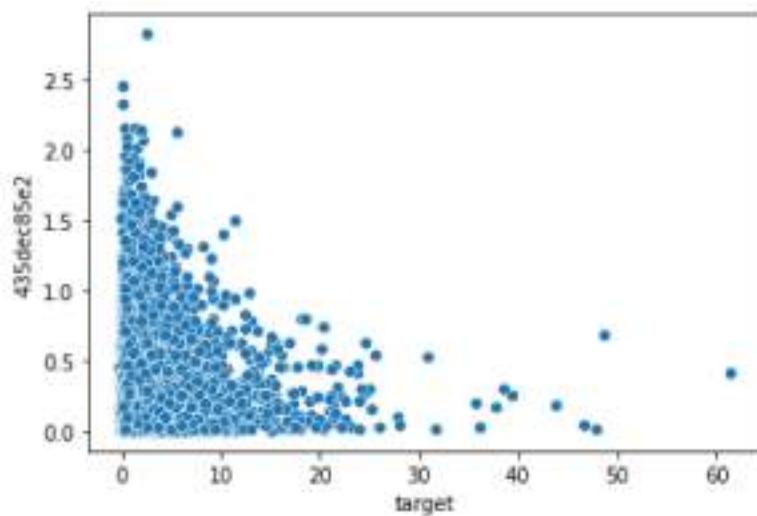
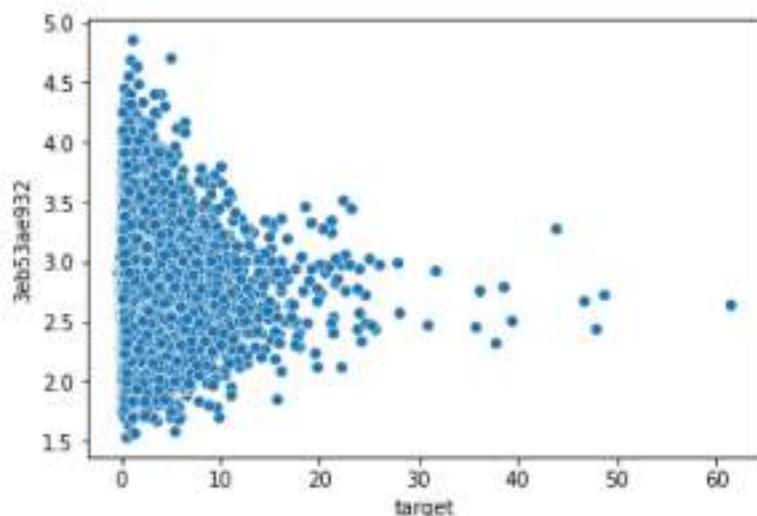


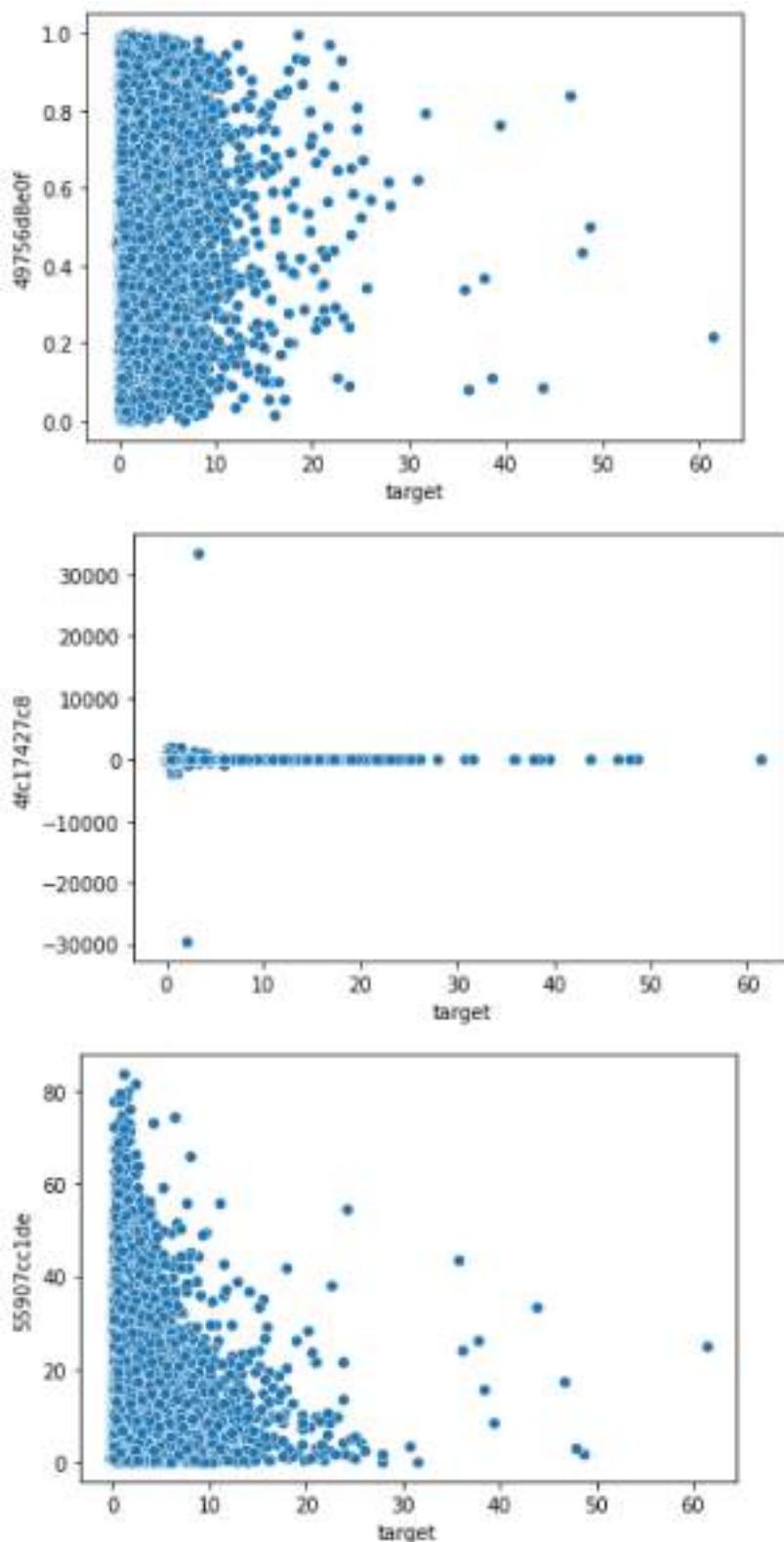


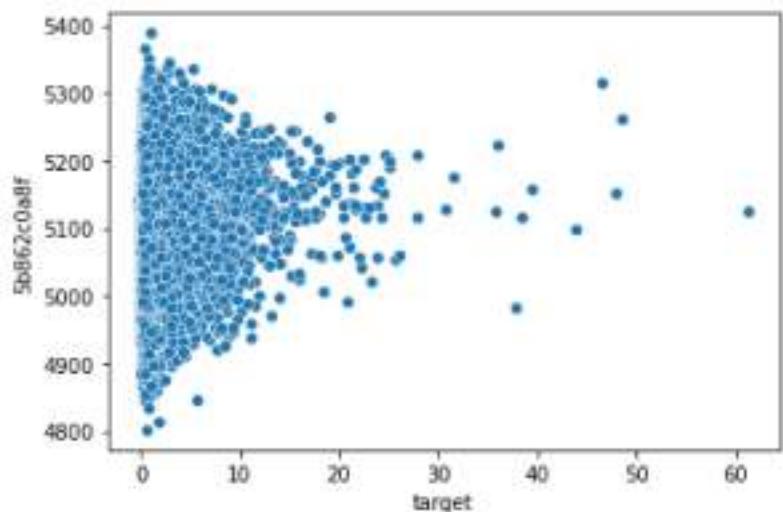
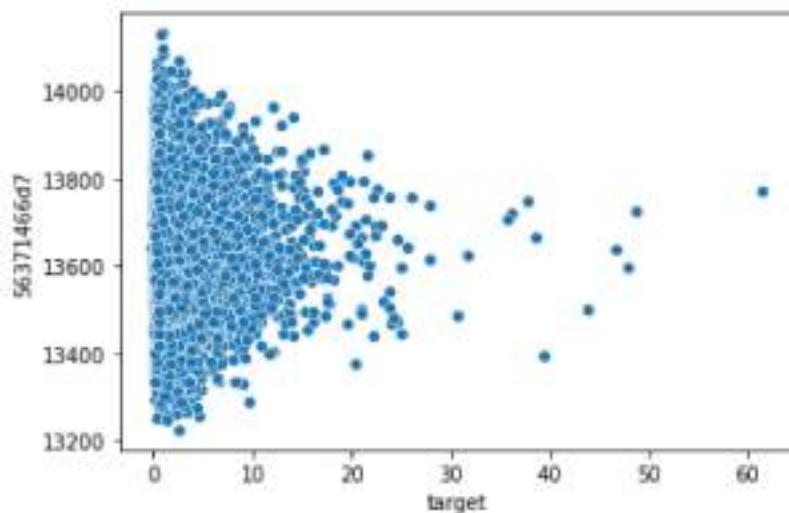
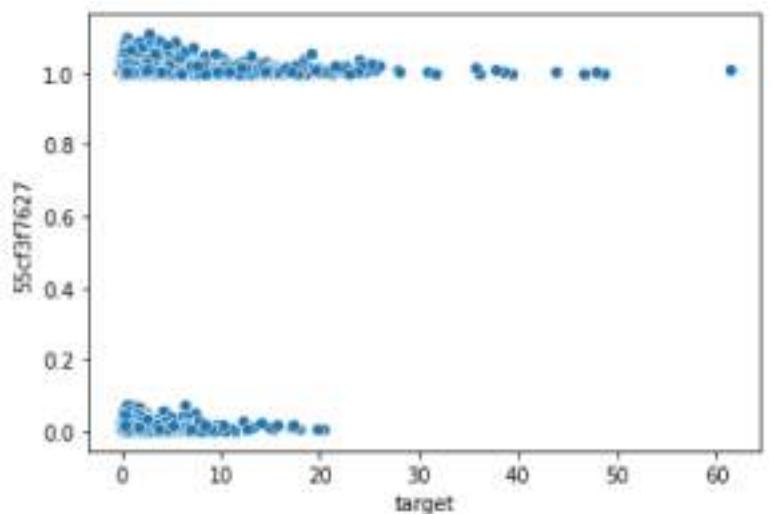


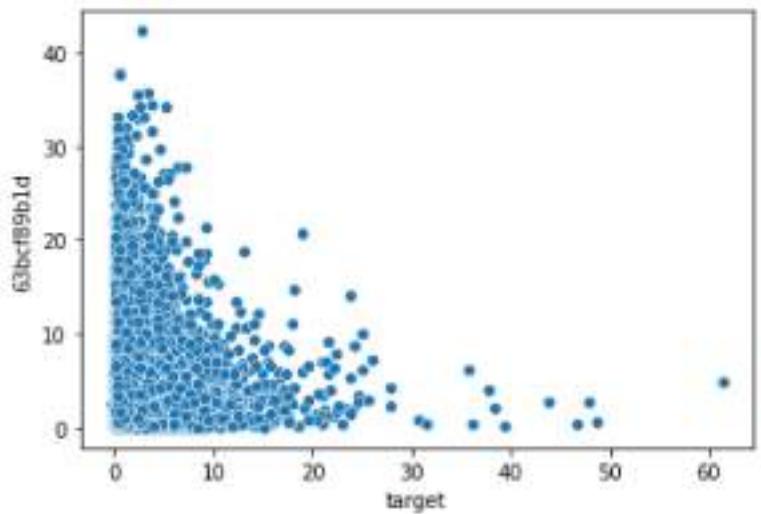
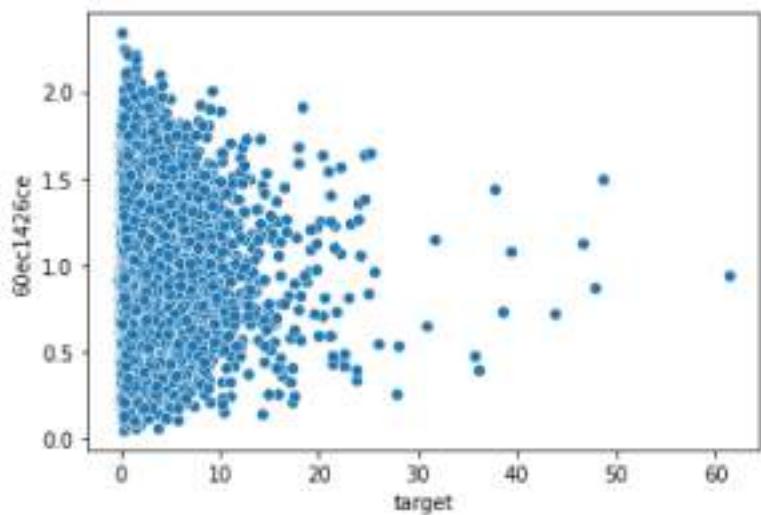
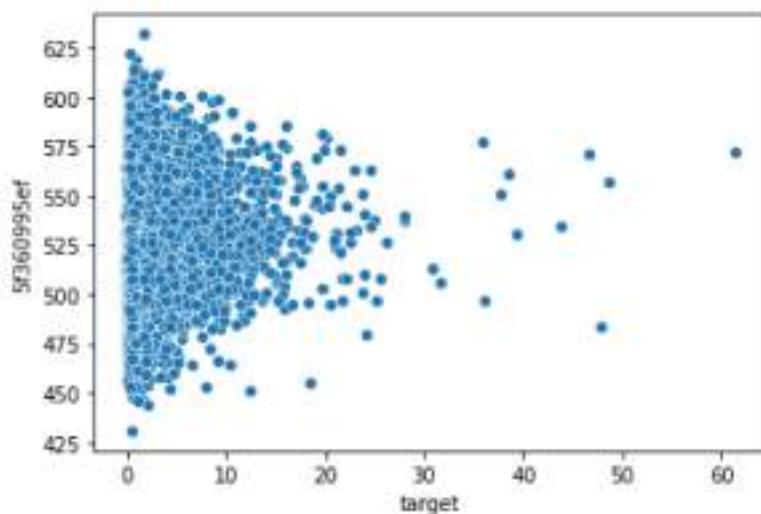


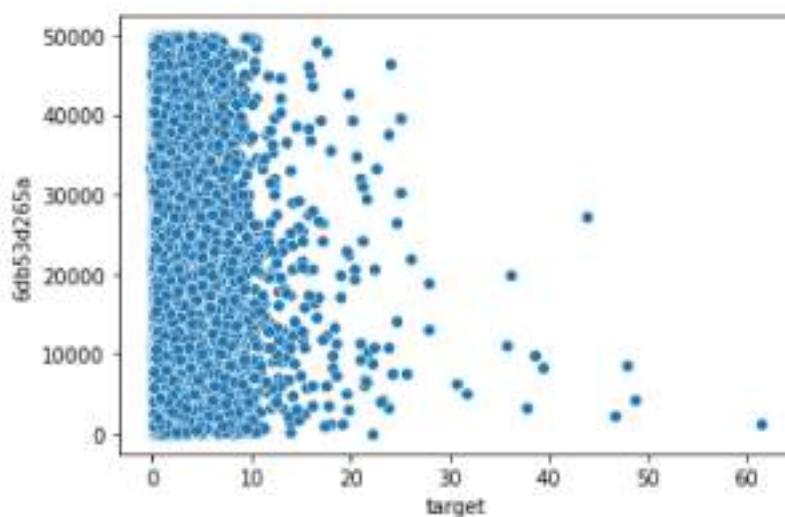
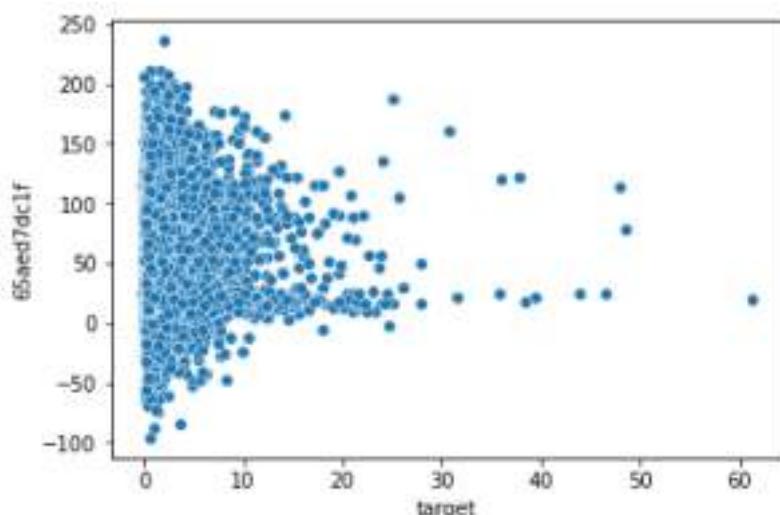
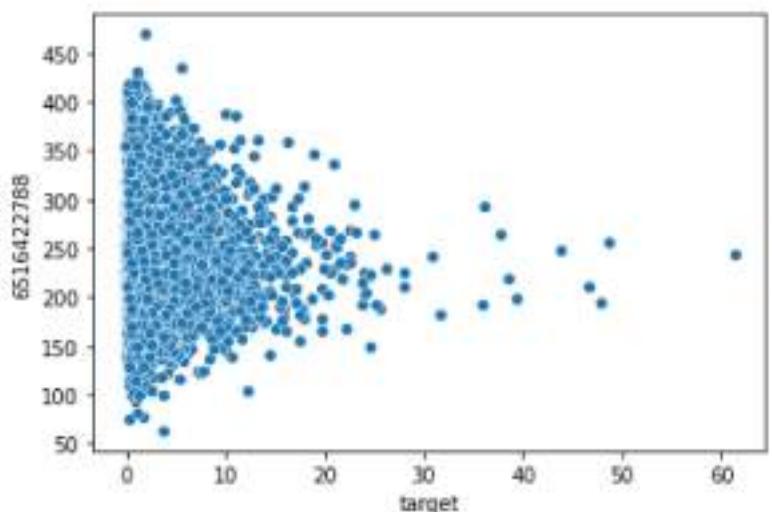


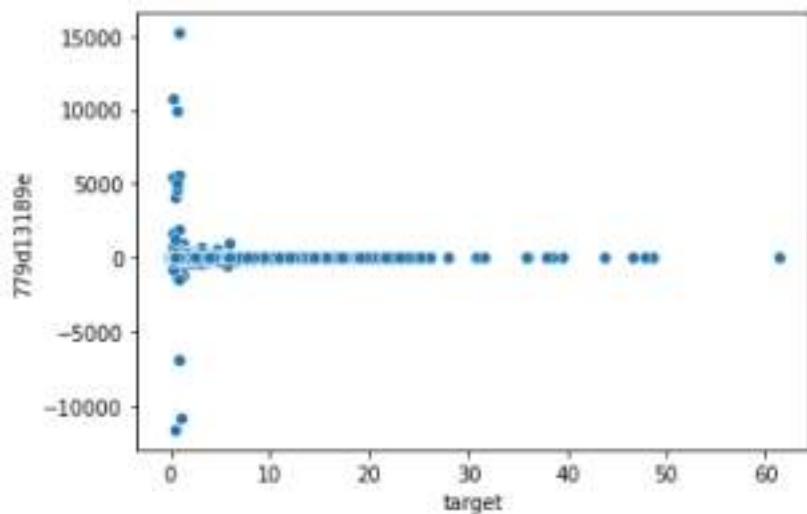
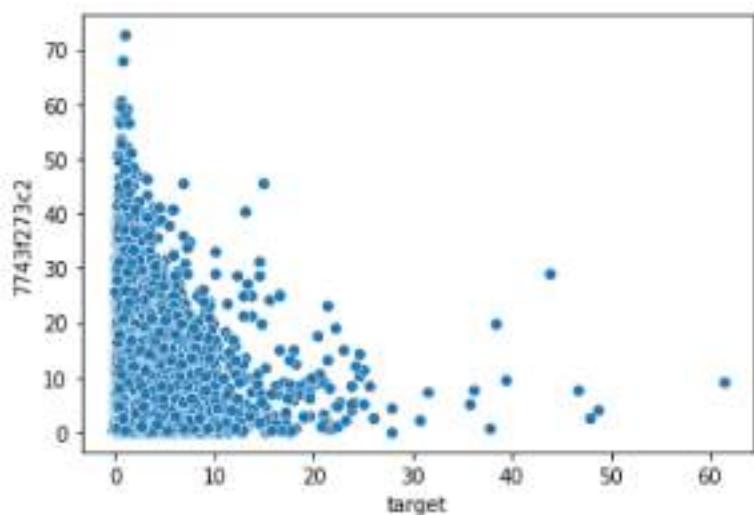
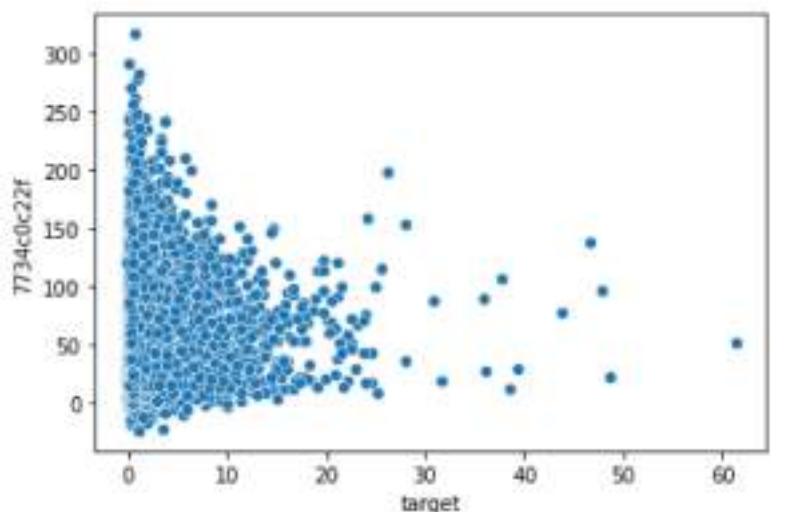


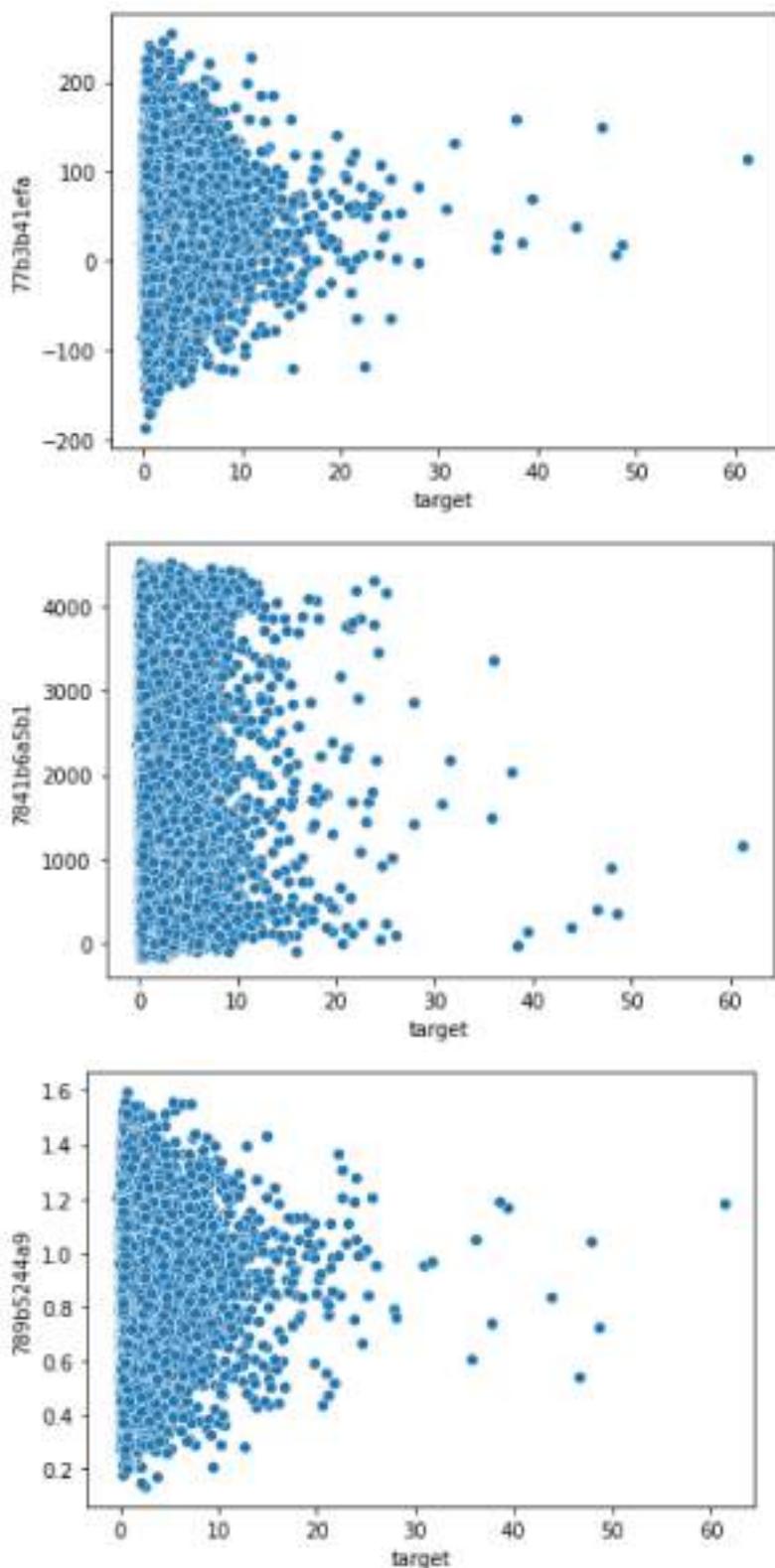


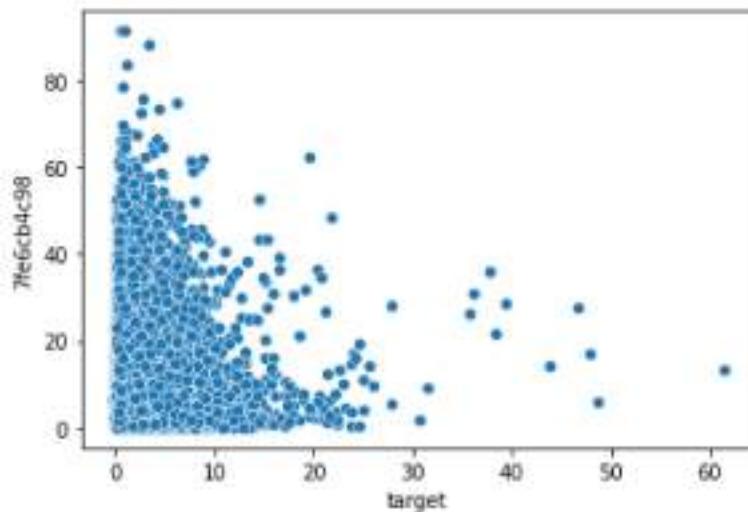
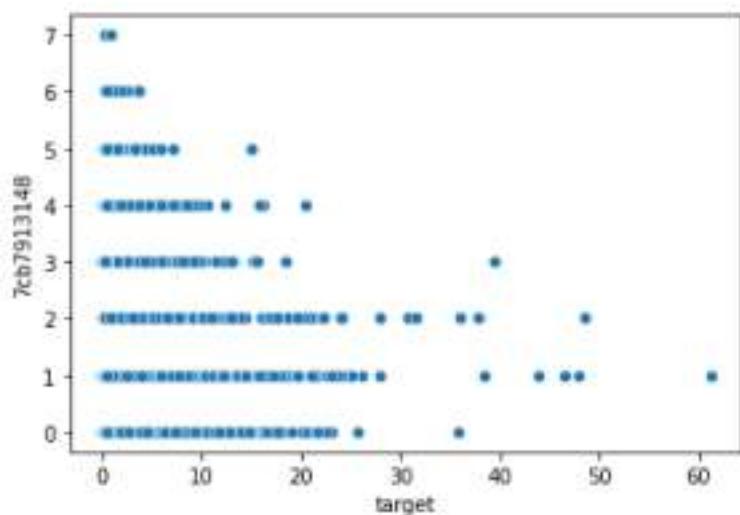
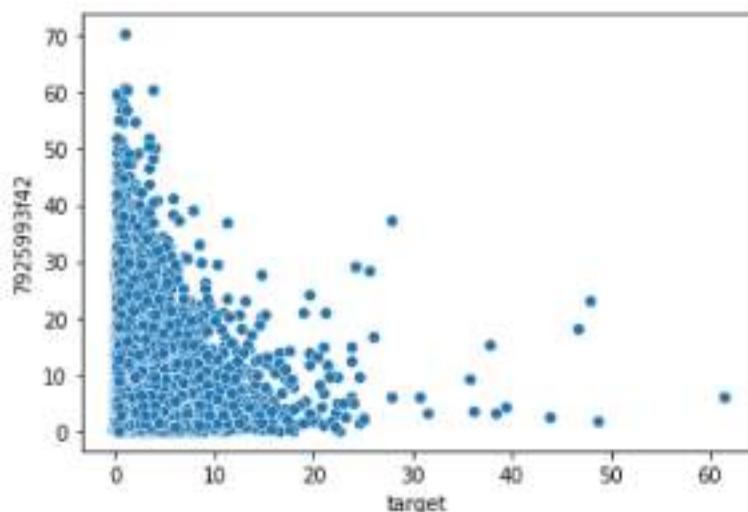


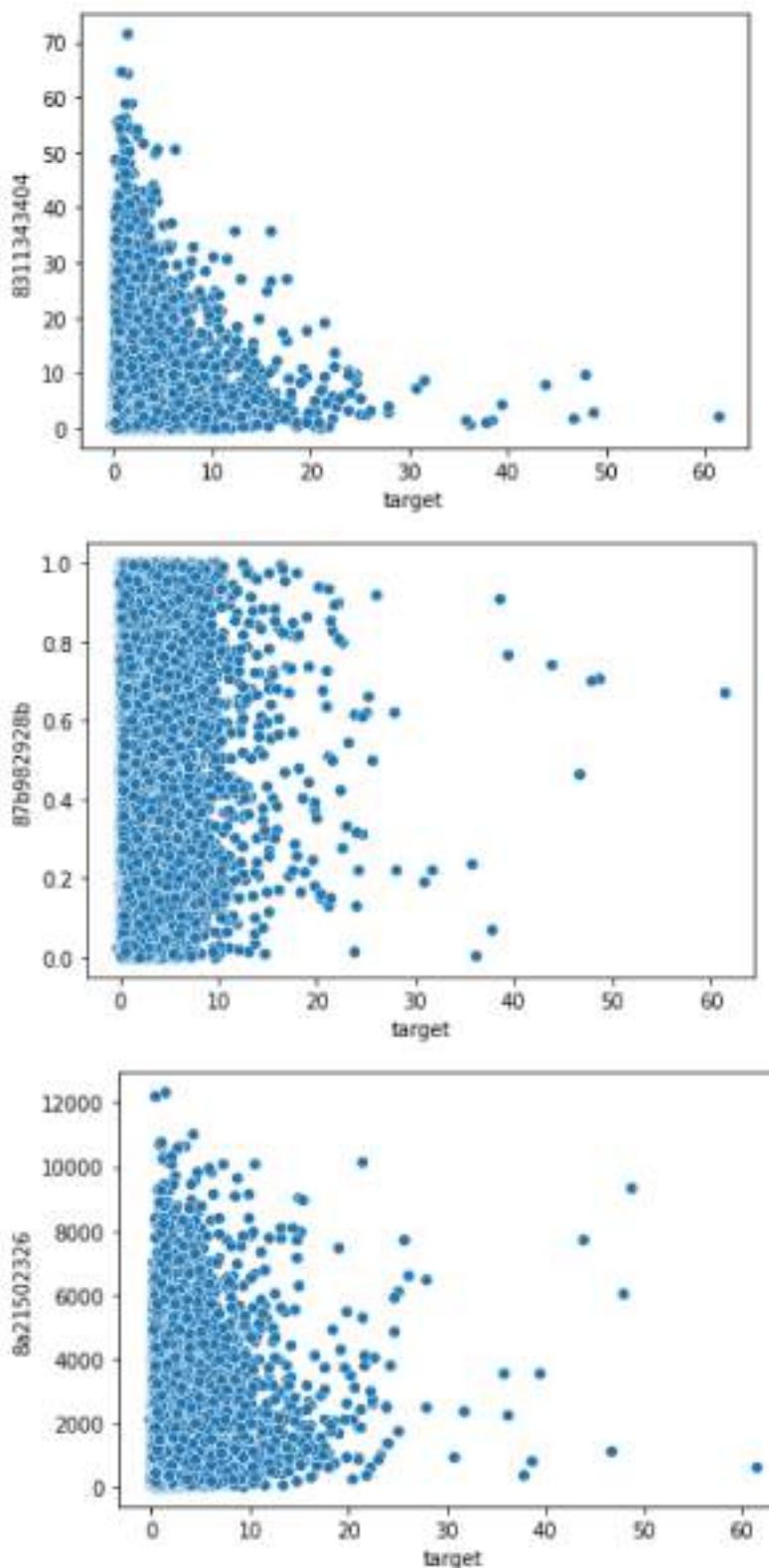


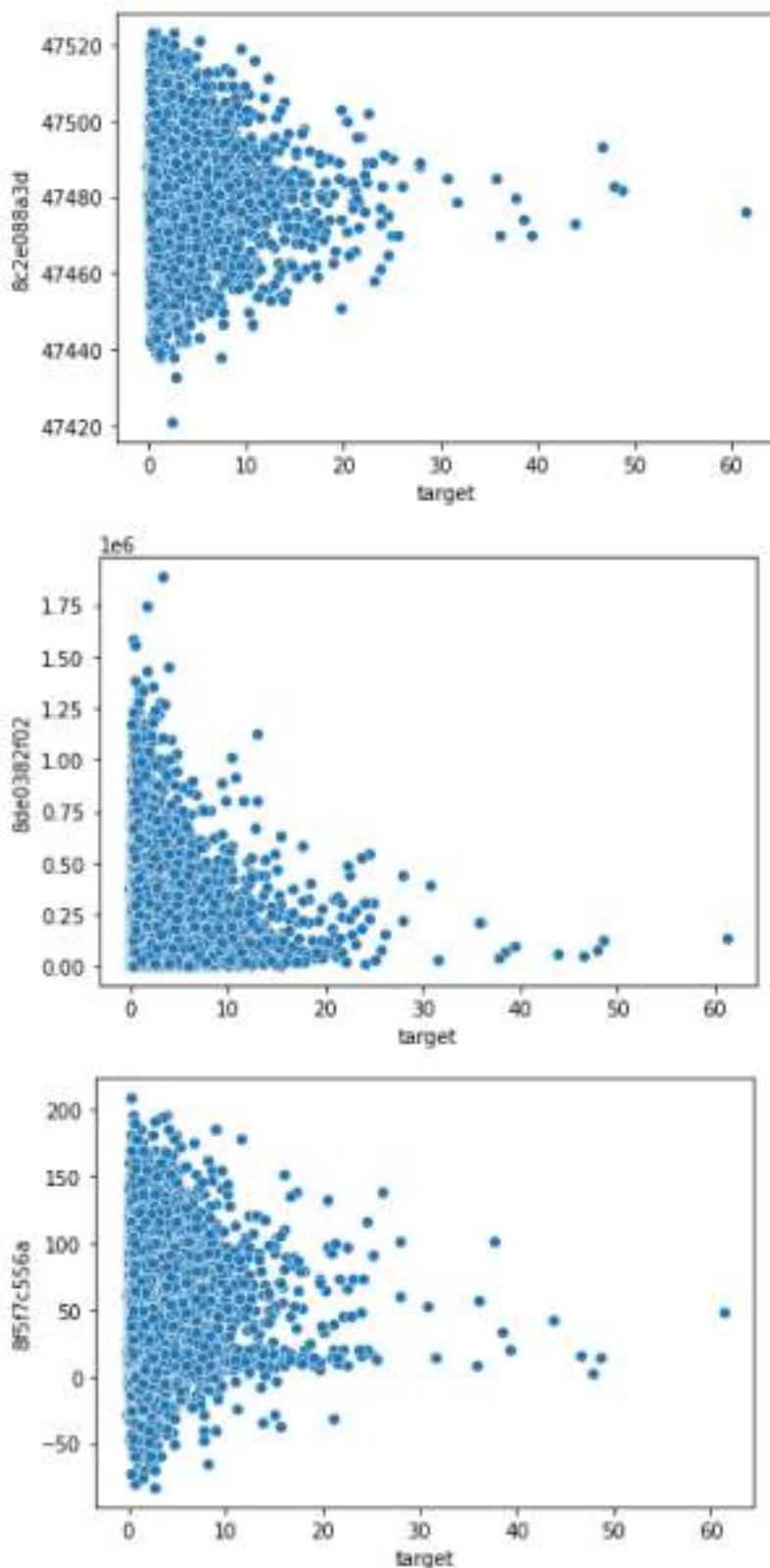


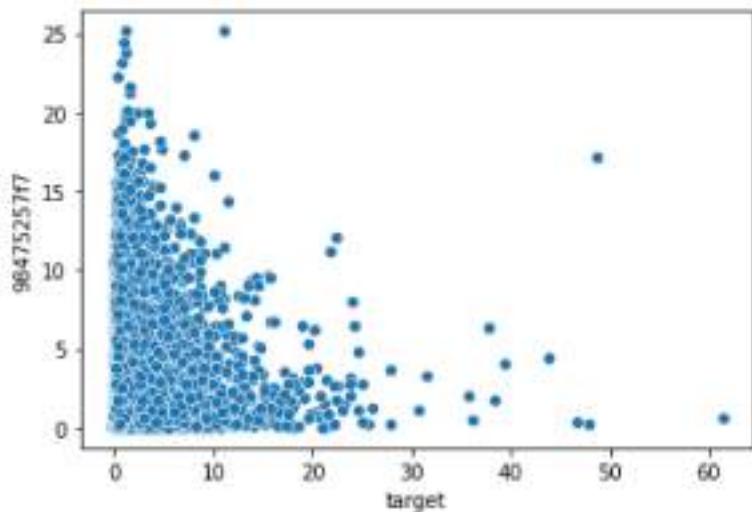
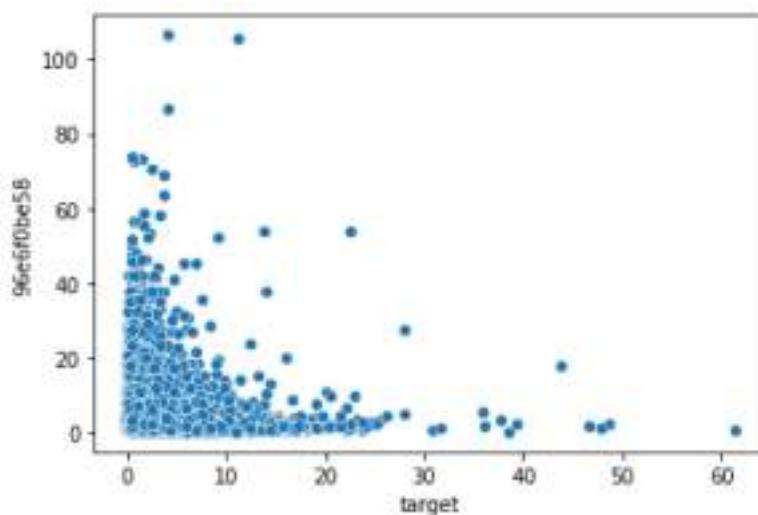
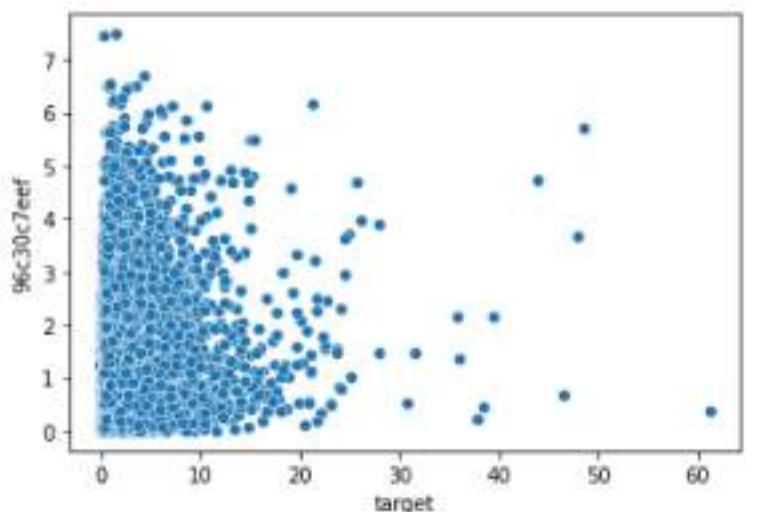


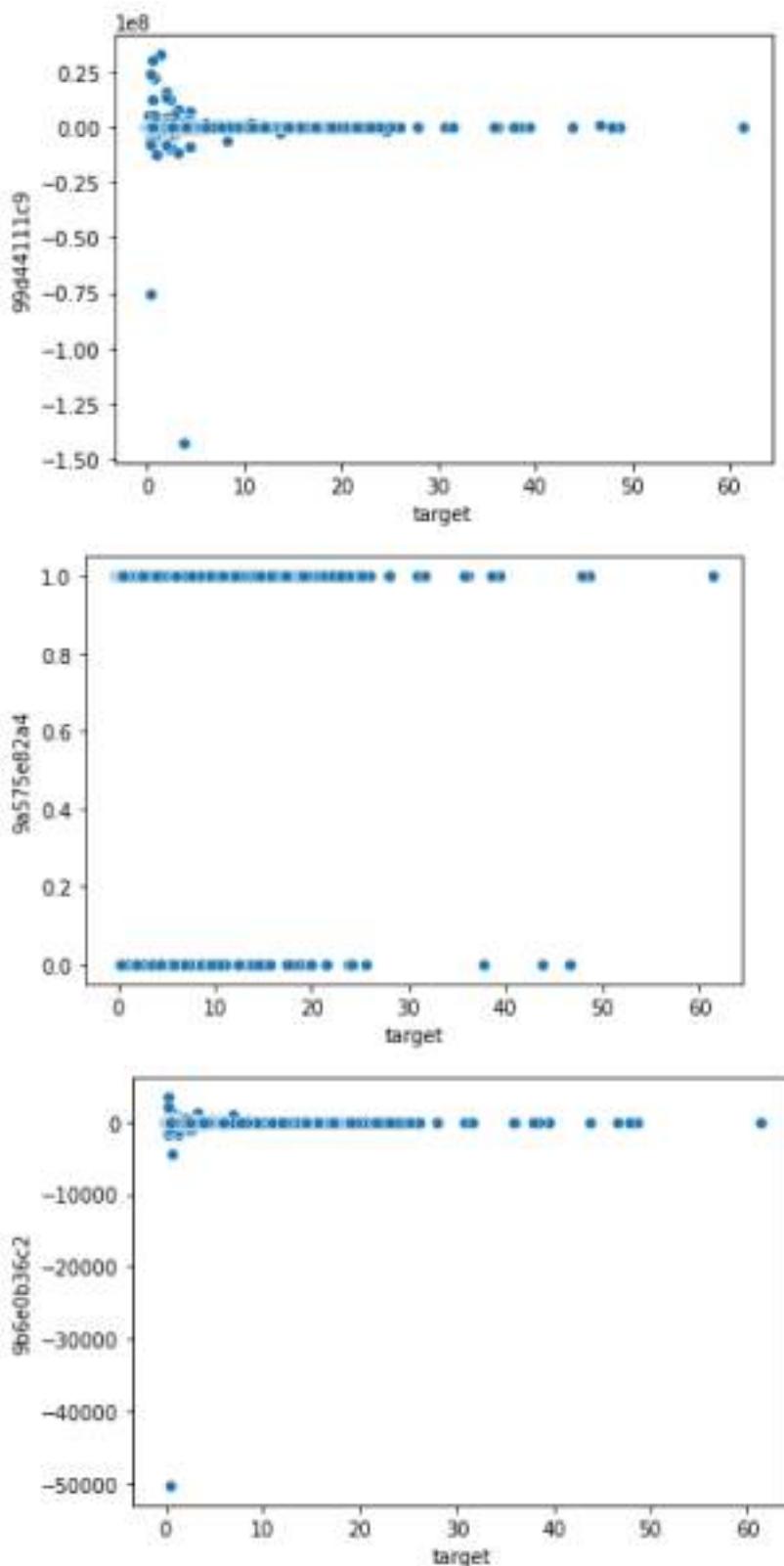


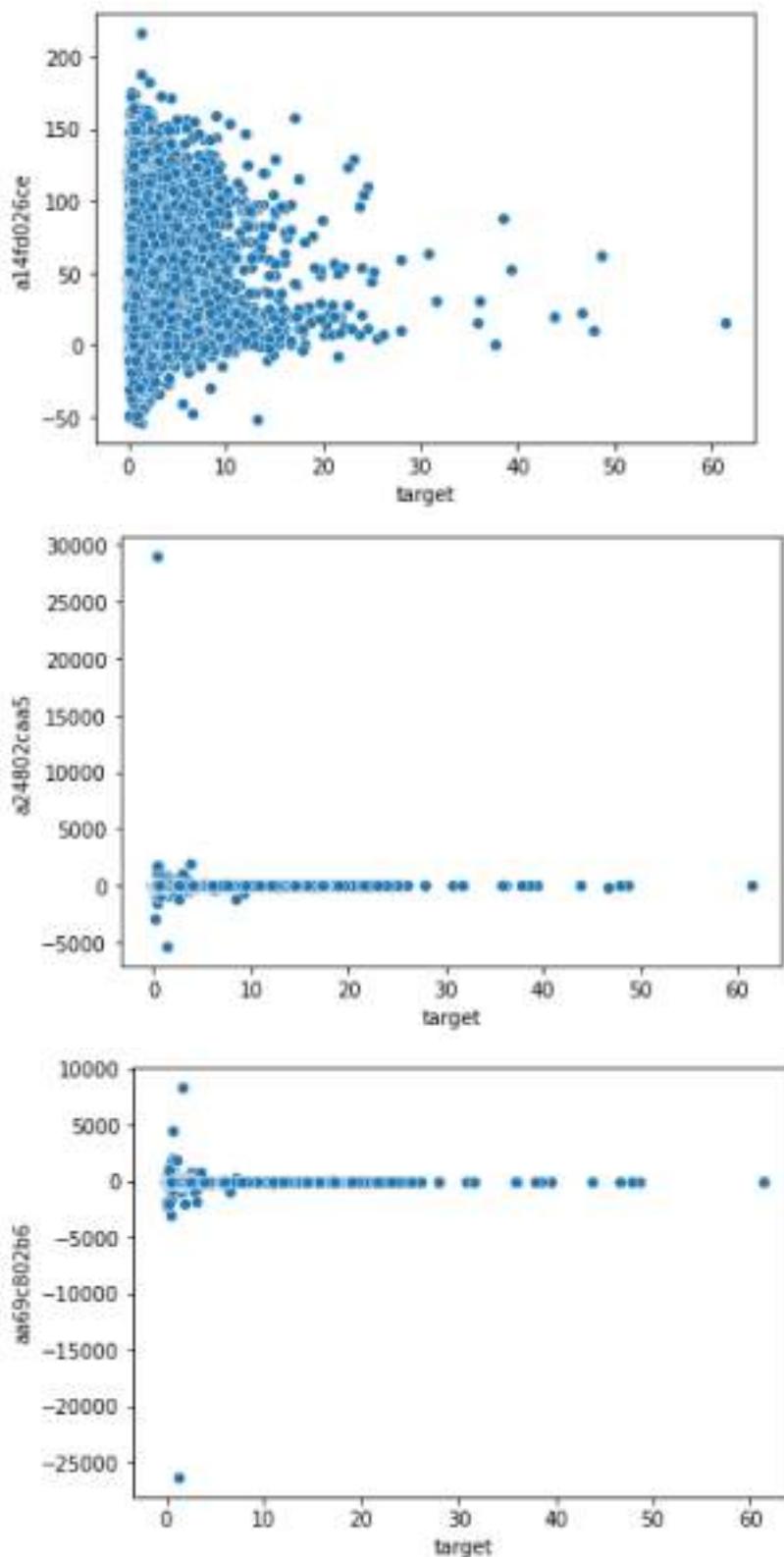


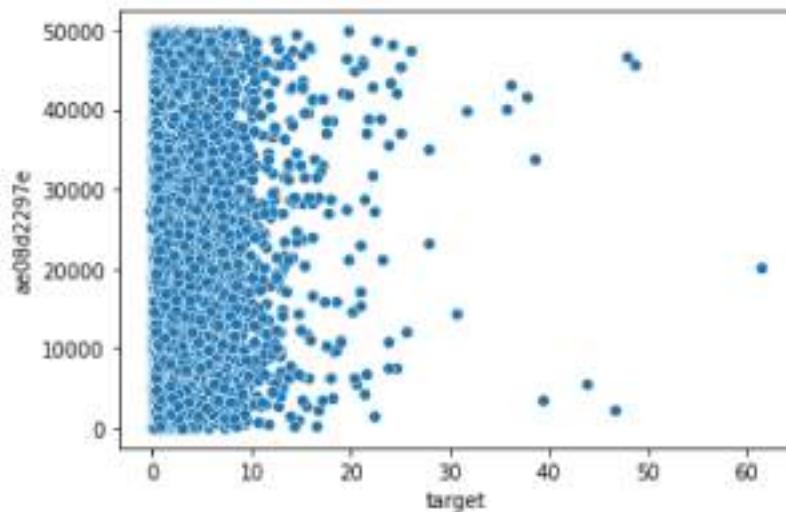
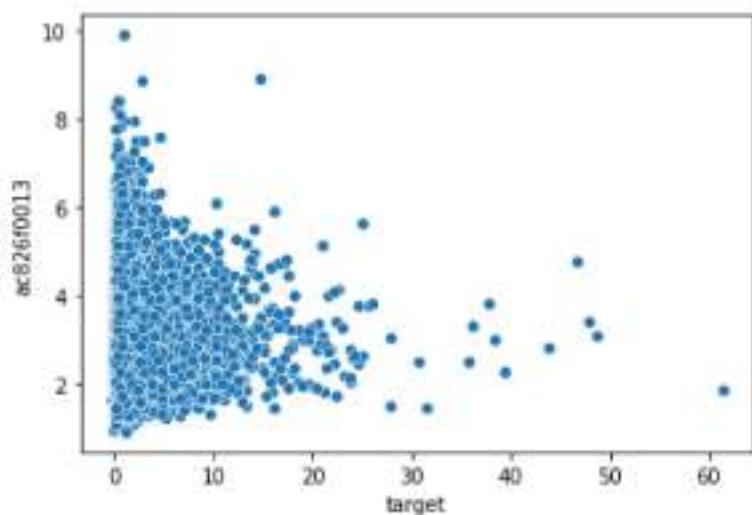
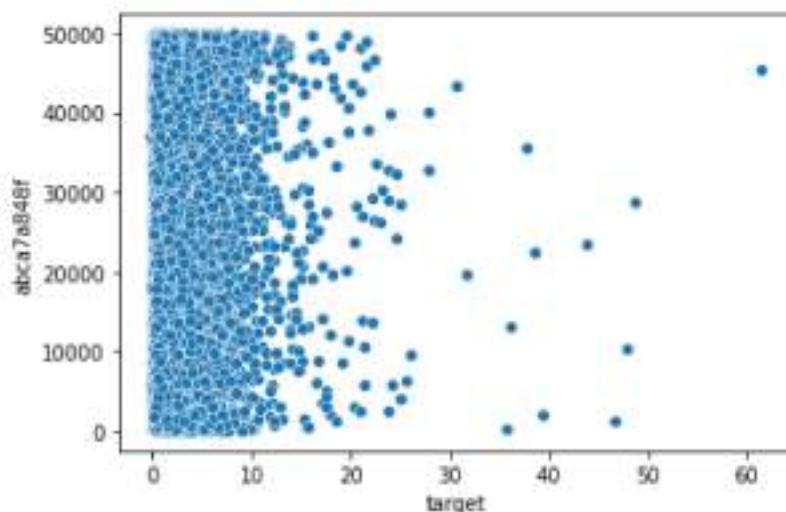


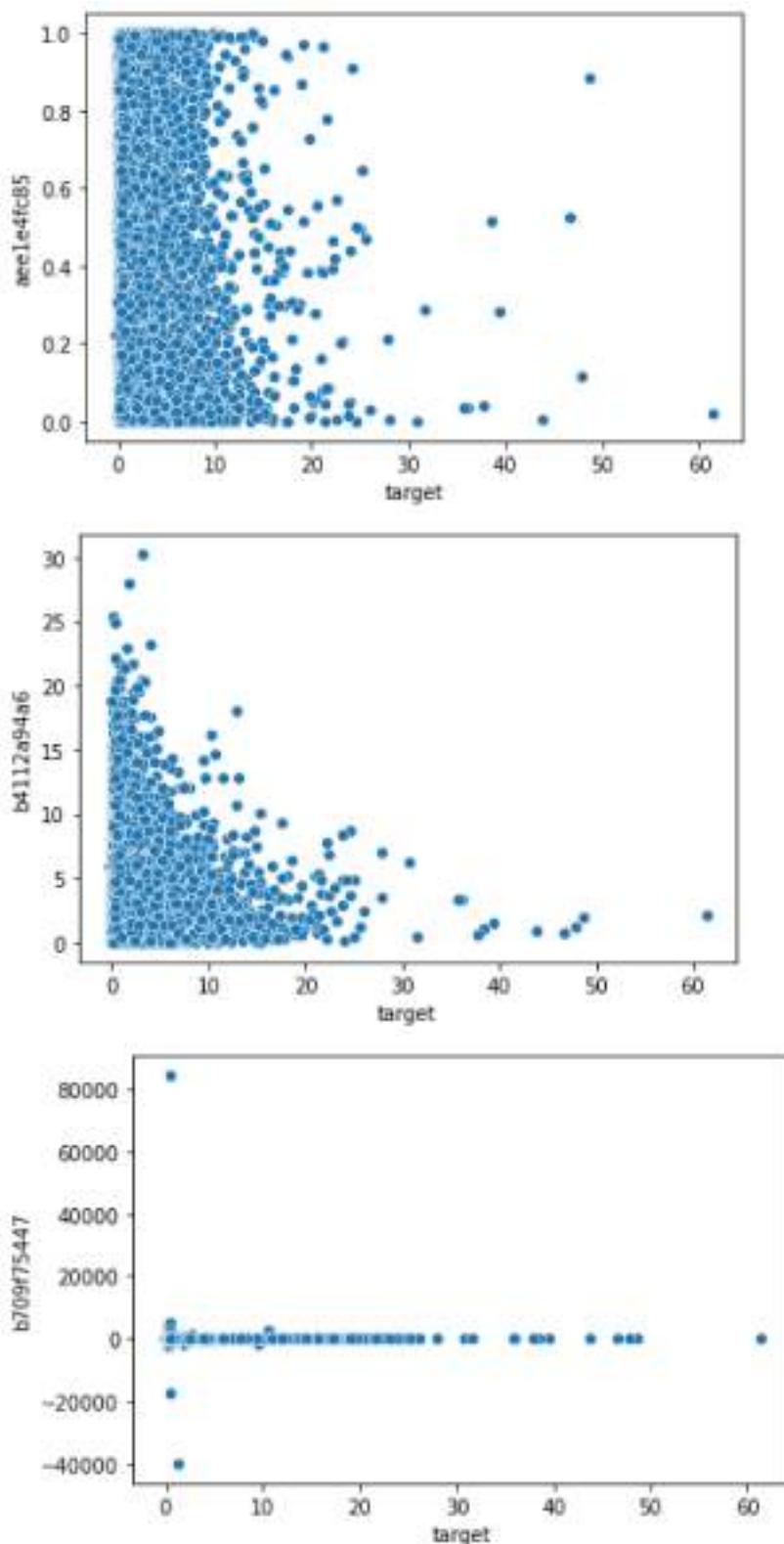


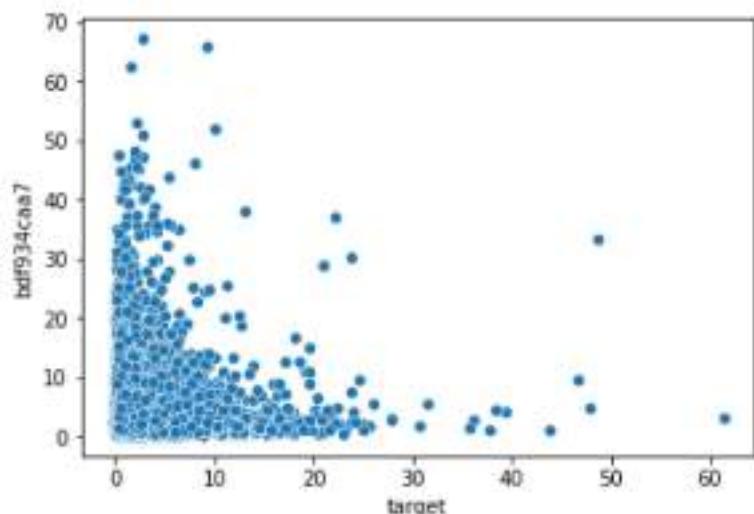
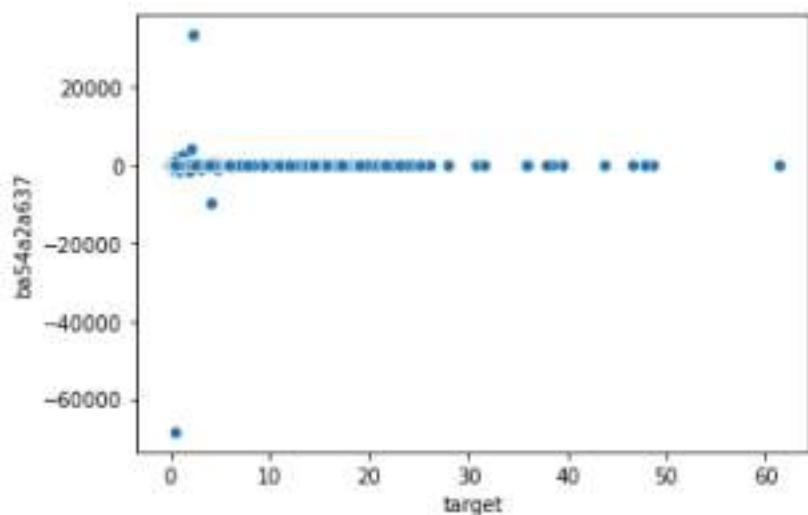
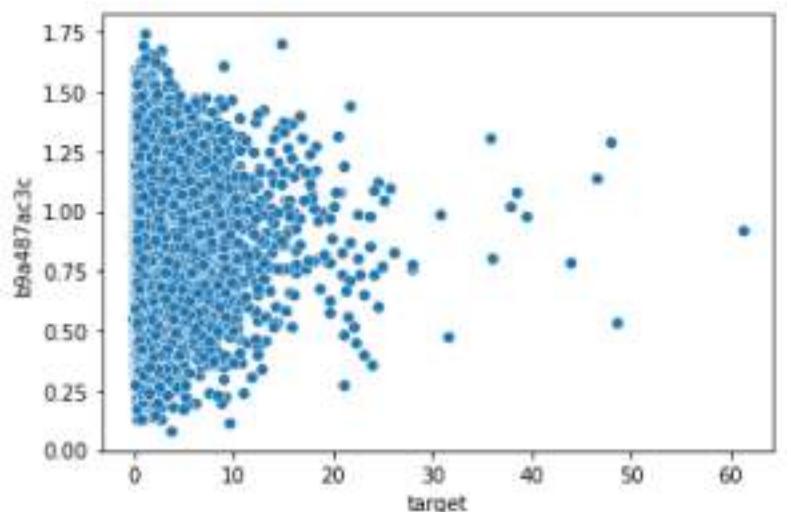


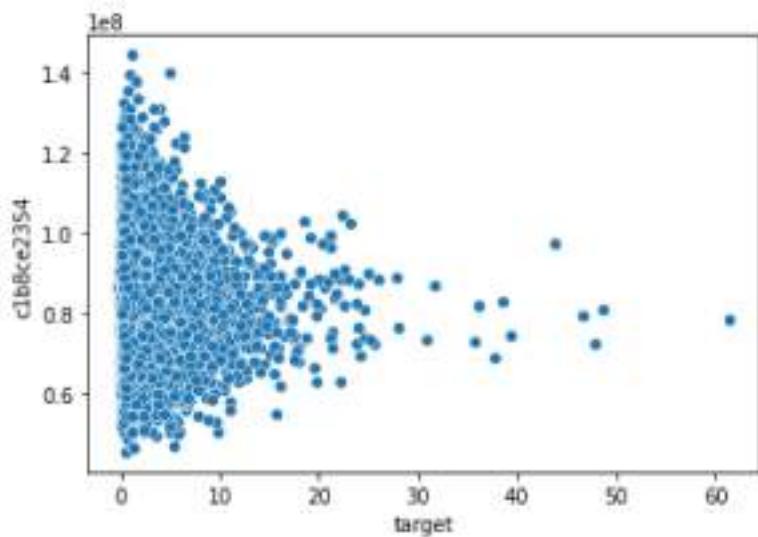
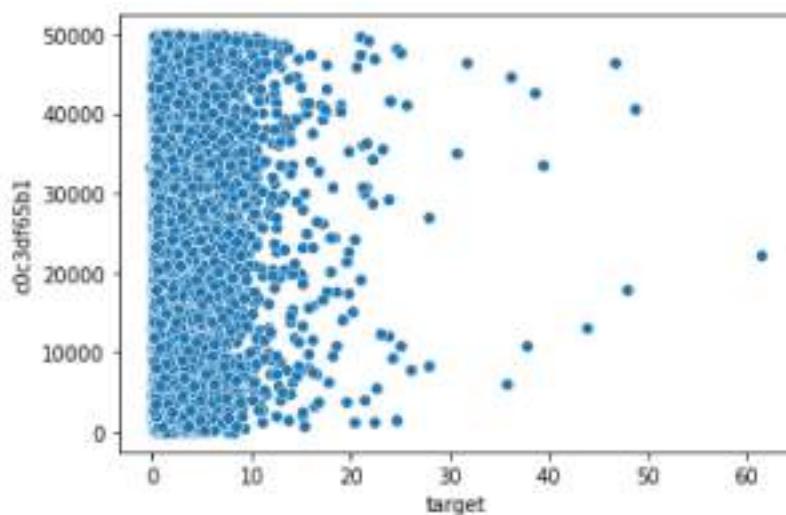
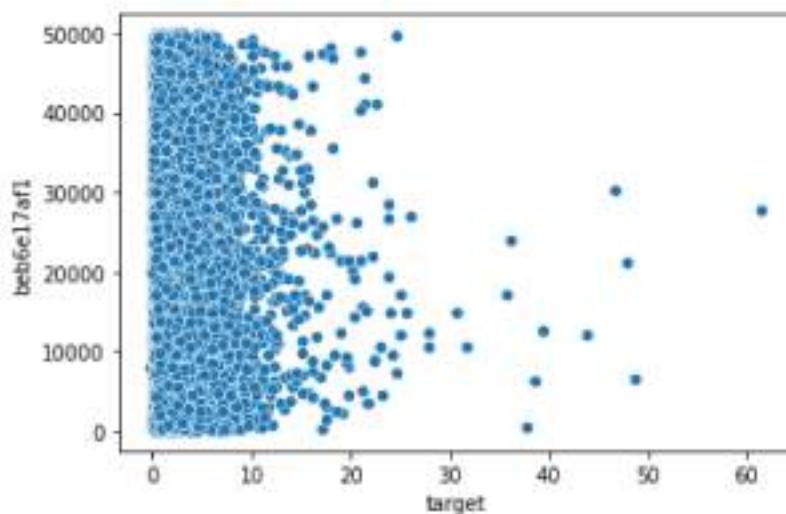


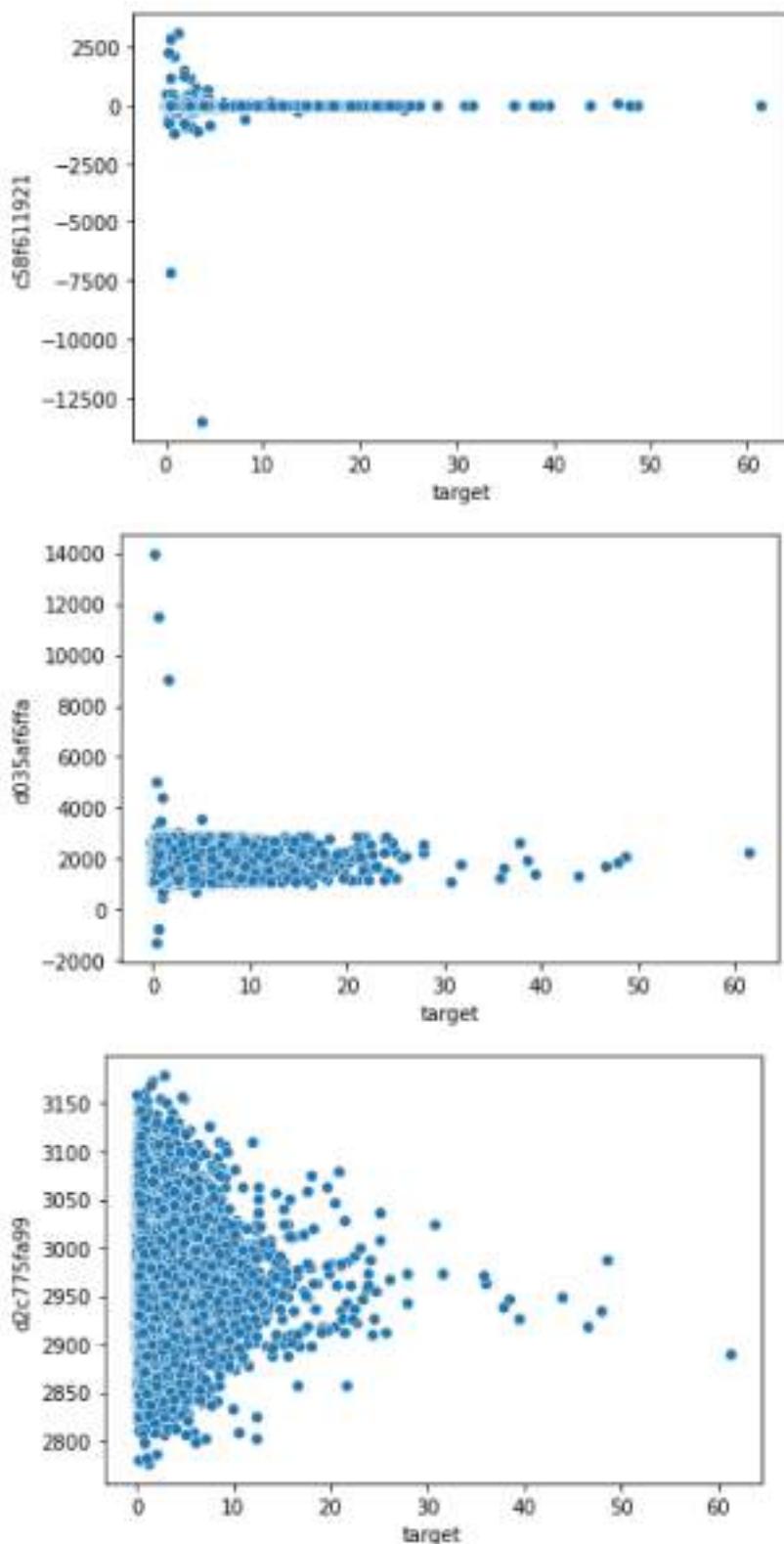


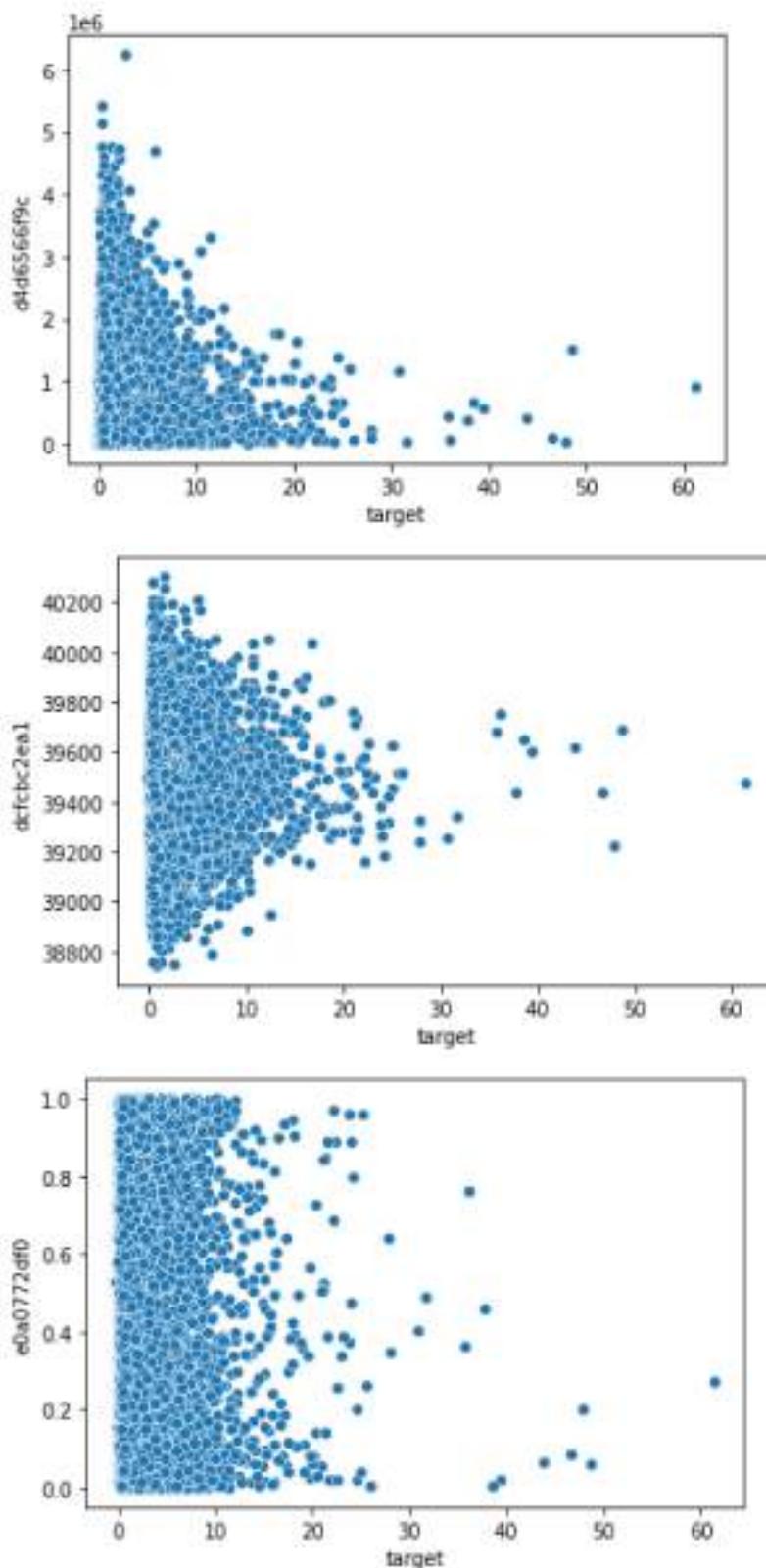


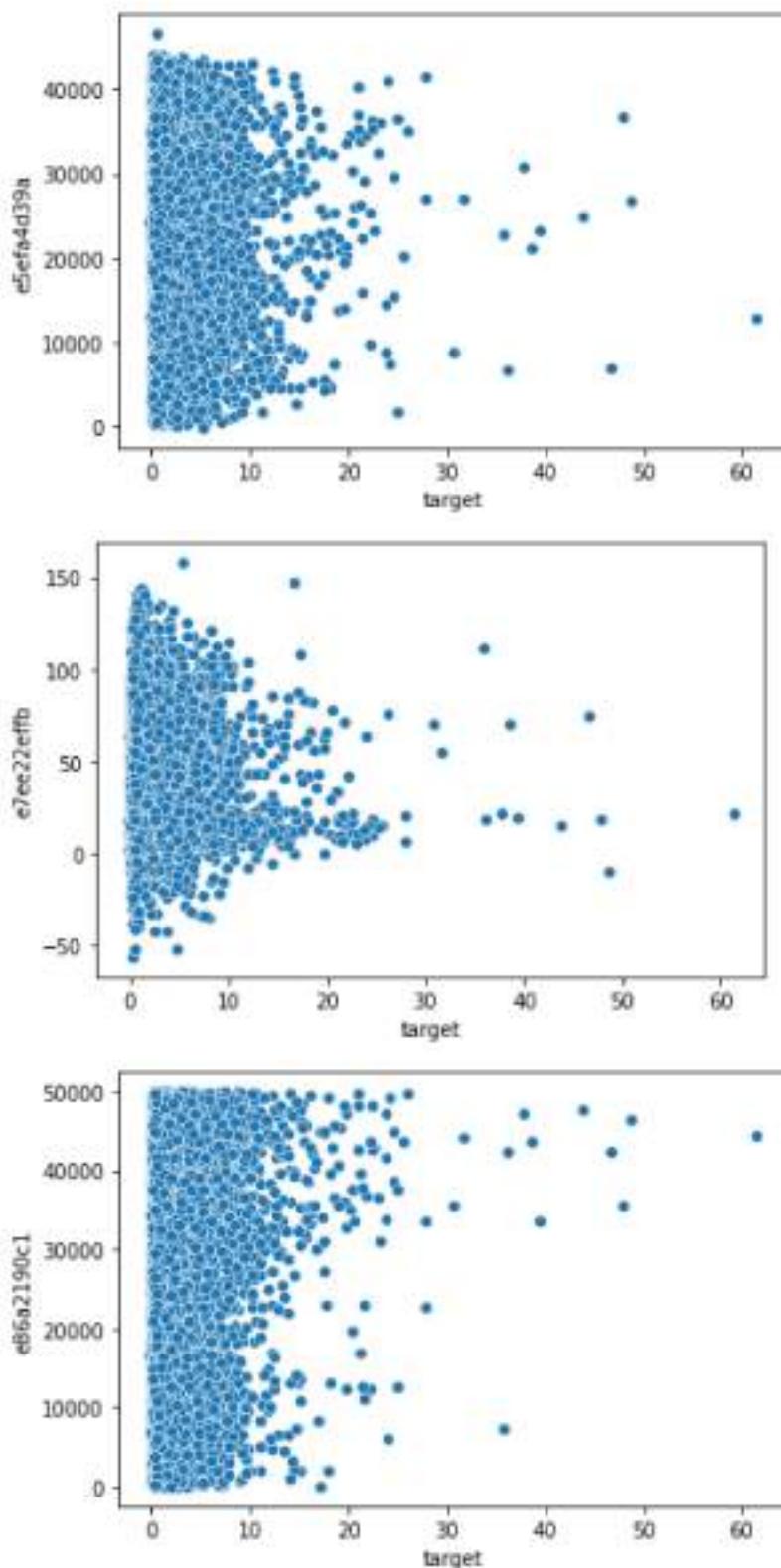


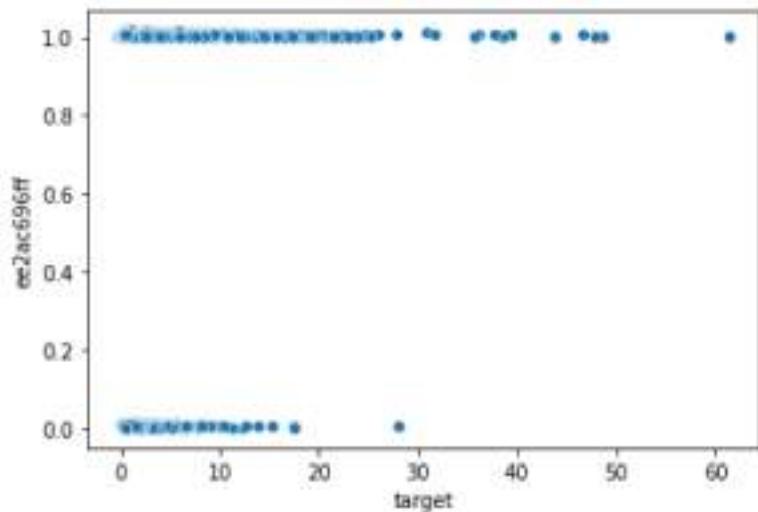
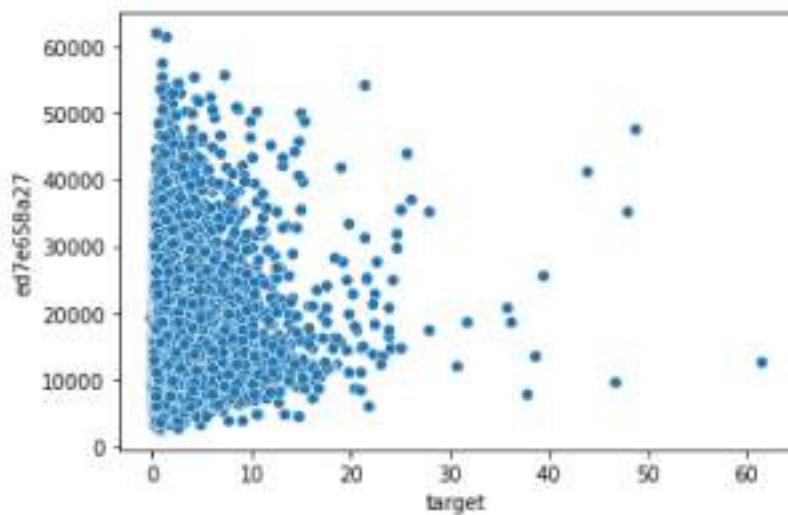
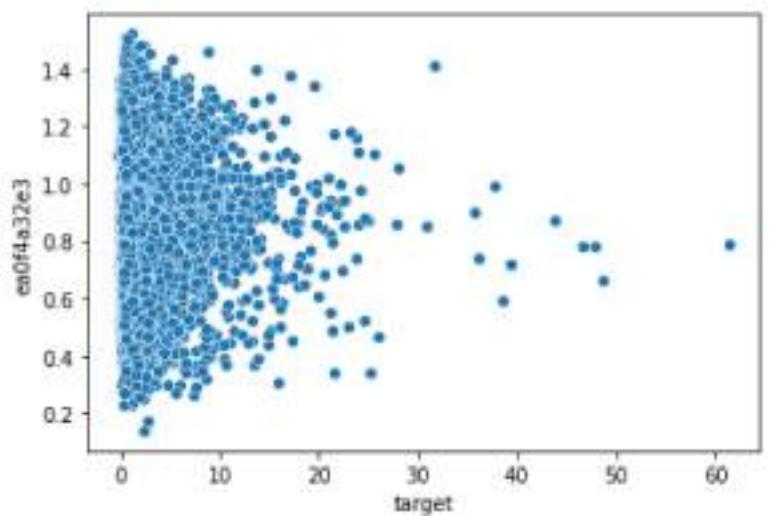


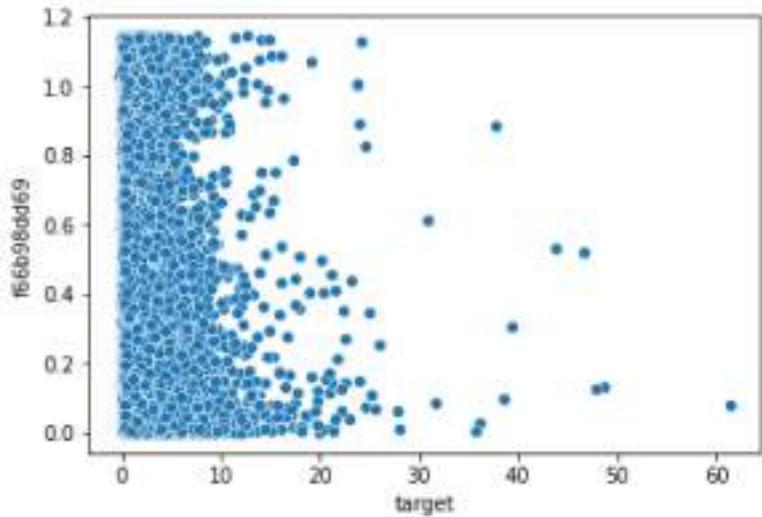
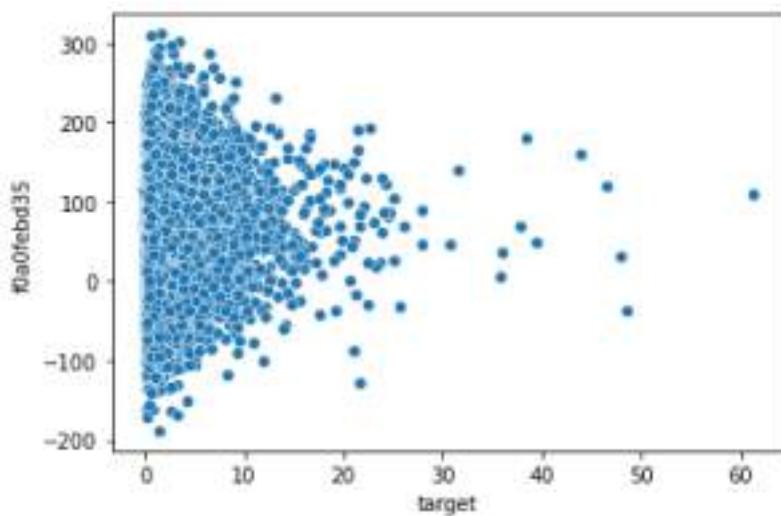
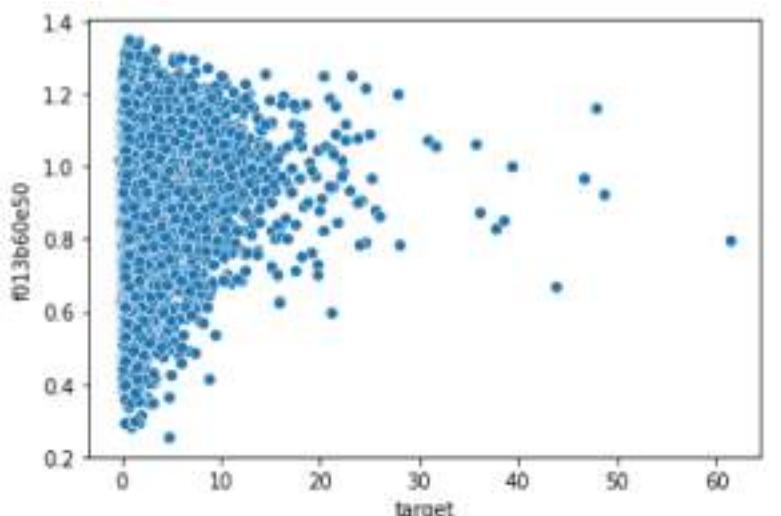


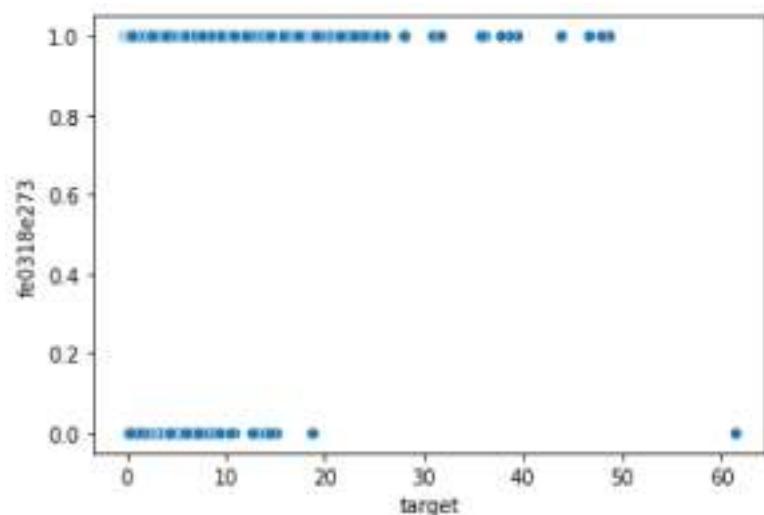
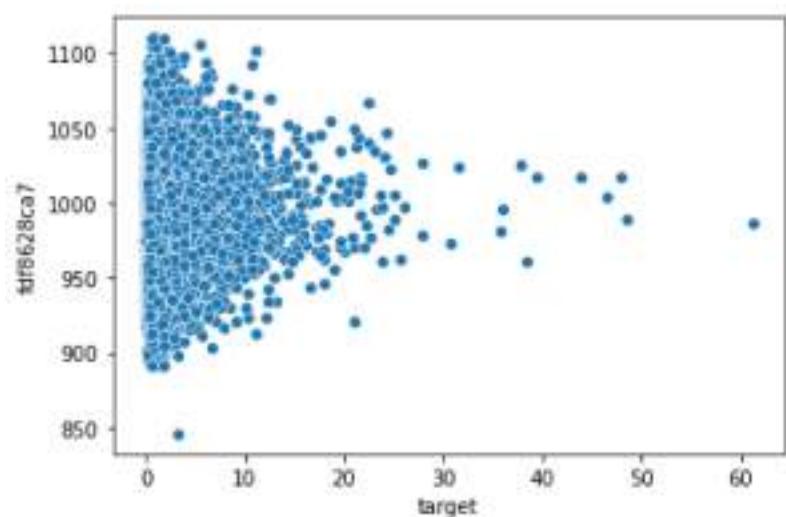
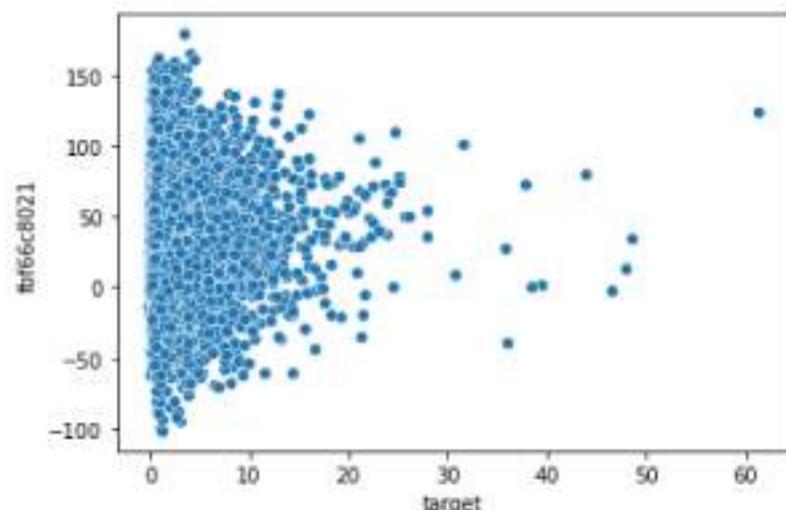


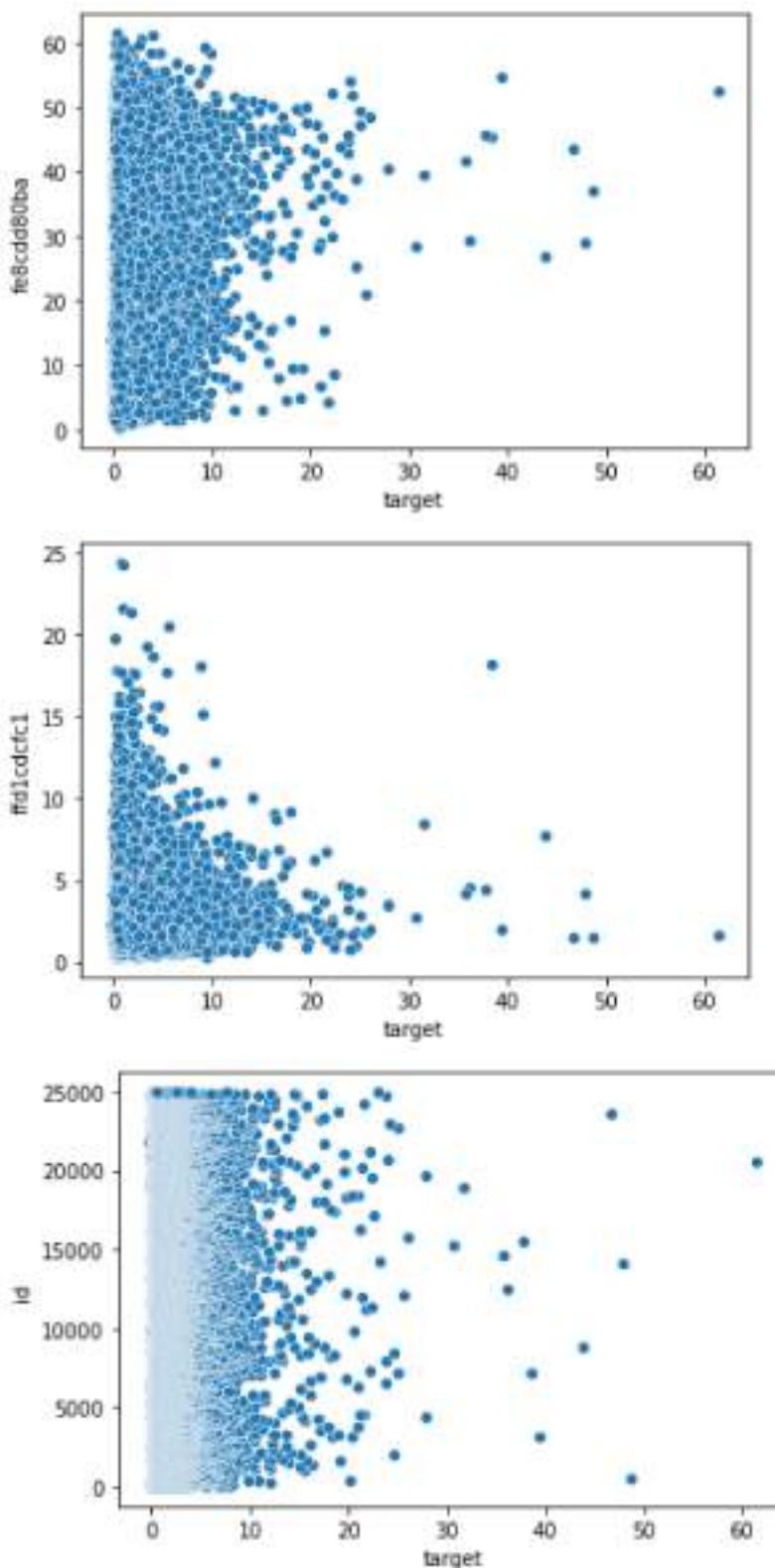


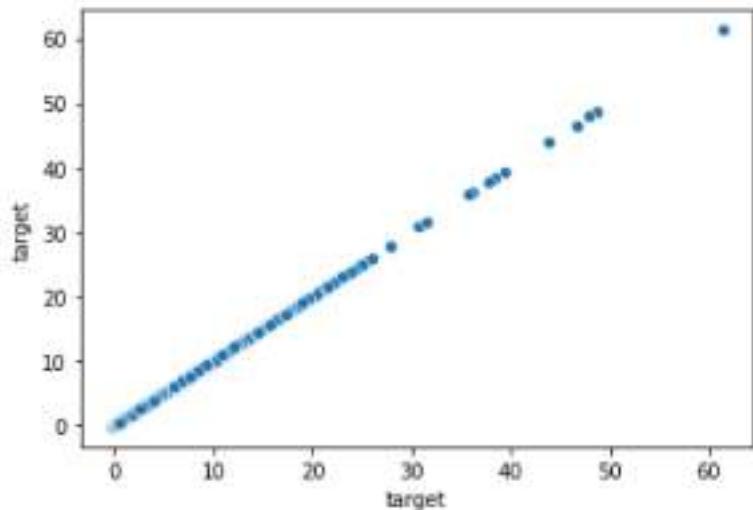












```
In [8]: # Pude perceber que algumas variáveis quase não possuem variância então irei remover
# de variáveis comece a ficar um pouco mais simples
# from sklearn.feature_selection import VarianceThreshold
# seletor = VarianceThreshold(threshold=2)
X = df_quantitativas.drop("target", axis=1)
y = df_quantitativas["target"]

# seletor.fit(X, y)
```

```
In [9]: # print("Shape antes: %s" % str(X.shape))
# variaveis_selecionadas = seletor.get_support()
# X = X.iloc[:, variaveis_selecionadas]
# print("Shape após a remoção das variáveis quase sem variação %s" % str(X.shape))
```

```
In [10]: ## PARTES ACIMA REMOVIDAS DO CODIGO POIS FORAM ADICIONADAS AO PIPELINE
```

```
In [ ]:
```

## Transformação dos dados

- Nenhuma variável parece ter grande correlação com o target, para tentar solucionar esse uma transformação log pode resolver.
- como log de 0 tende a -inf, todas as variáveis receberão o incremento de +1, assim, não há alteração na distribuição das variáveis

```
In [11]: # Temos 27 variáveis com valores negativos. Iremos remove-las, podemos perder algumas
# Mas vale a pena o teste para verificar se é possível ajustar bem uma regressão linear
variaveis_com_valor_negativo = (X < 0).any()
print("Quantidade de variáveis com valor negativo %d" % variaveis_com_valor_negativo)

Quantidade de variáveis com valor negativo 27
```

## Visualização das distribuições e outliers

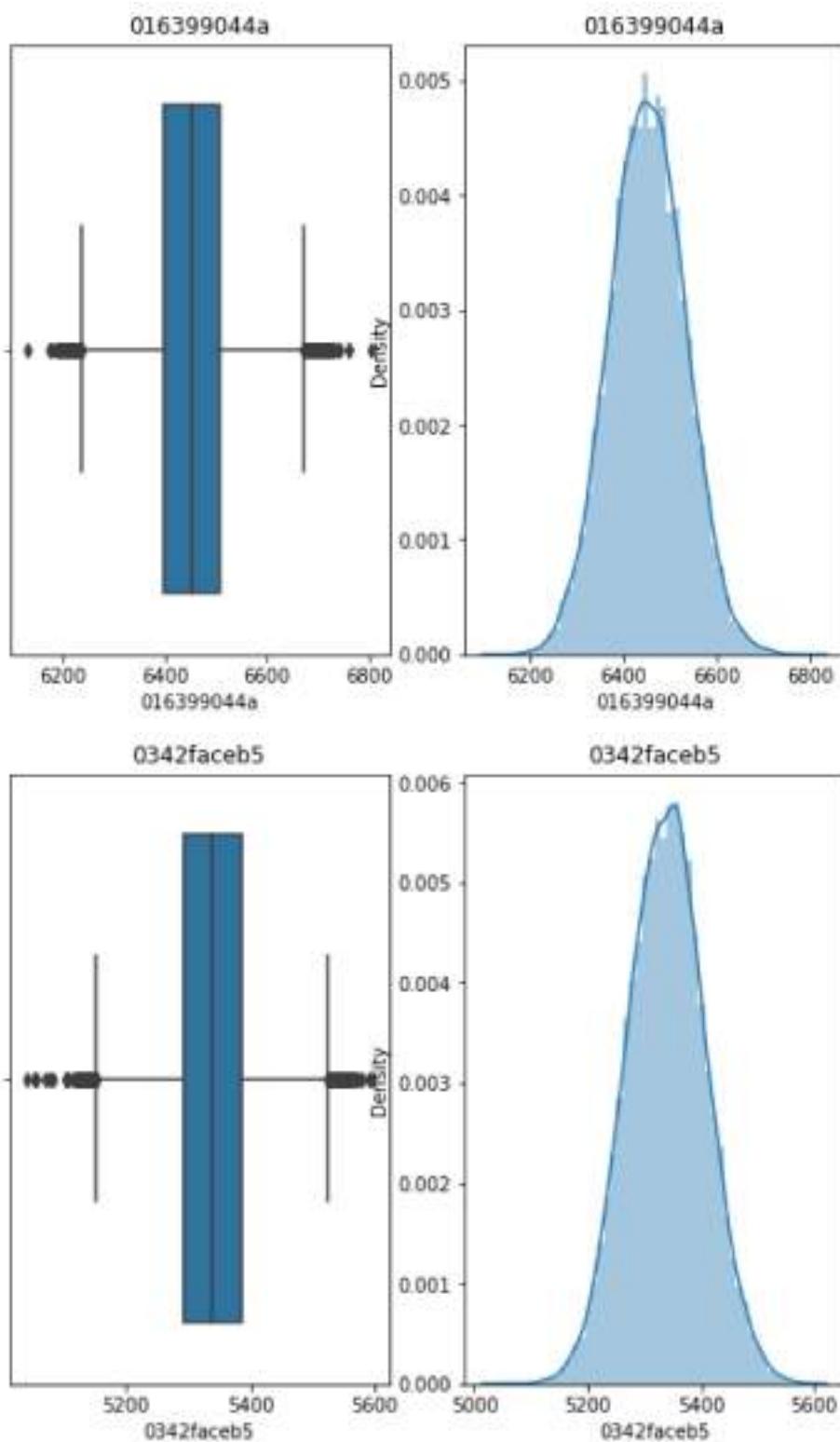
```
In [12]: import warnings
warnings.simplefilter("ignore")
```

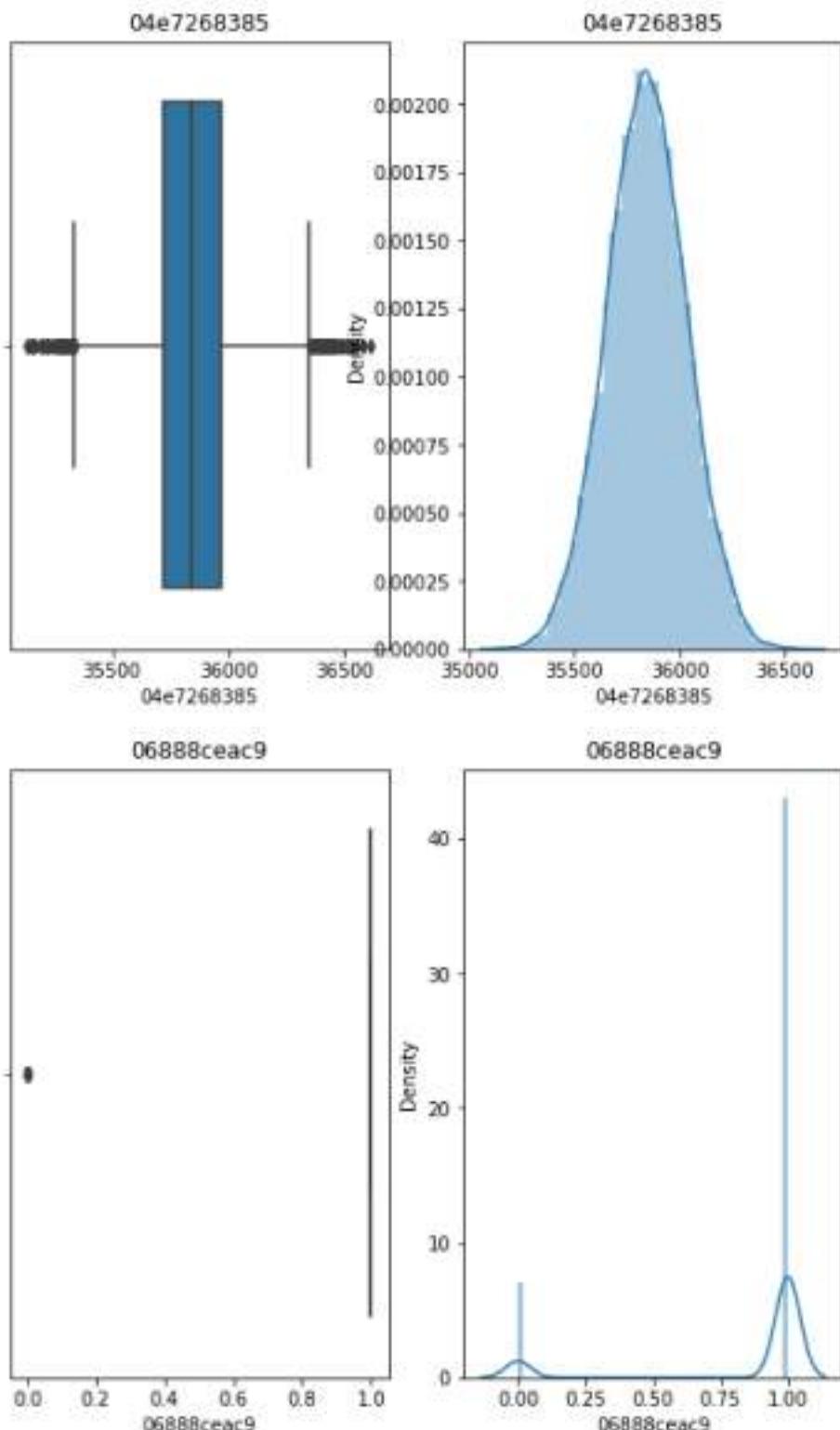
```
In [13]: ## Não parece ter funcionado muito bem, além disso, foram gerados muitos valores nulos
```

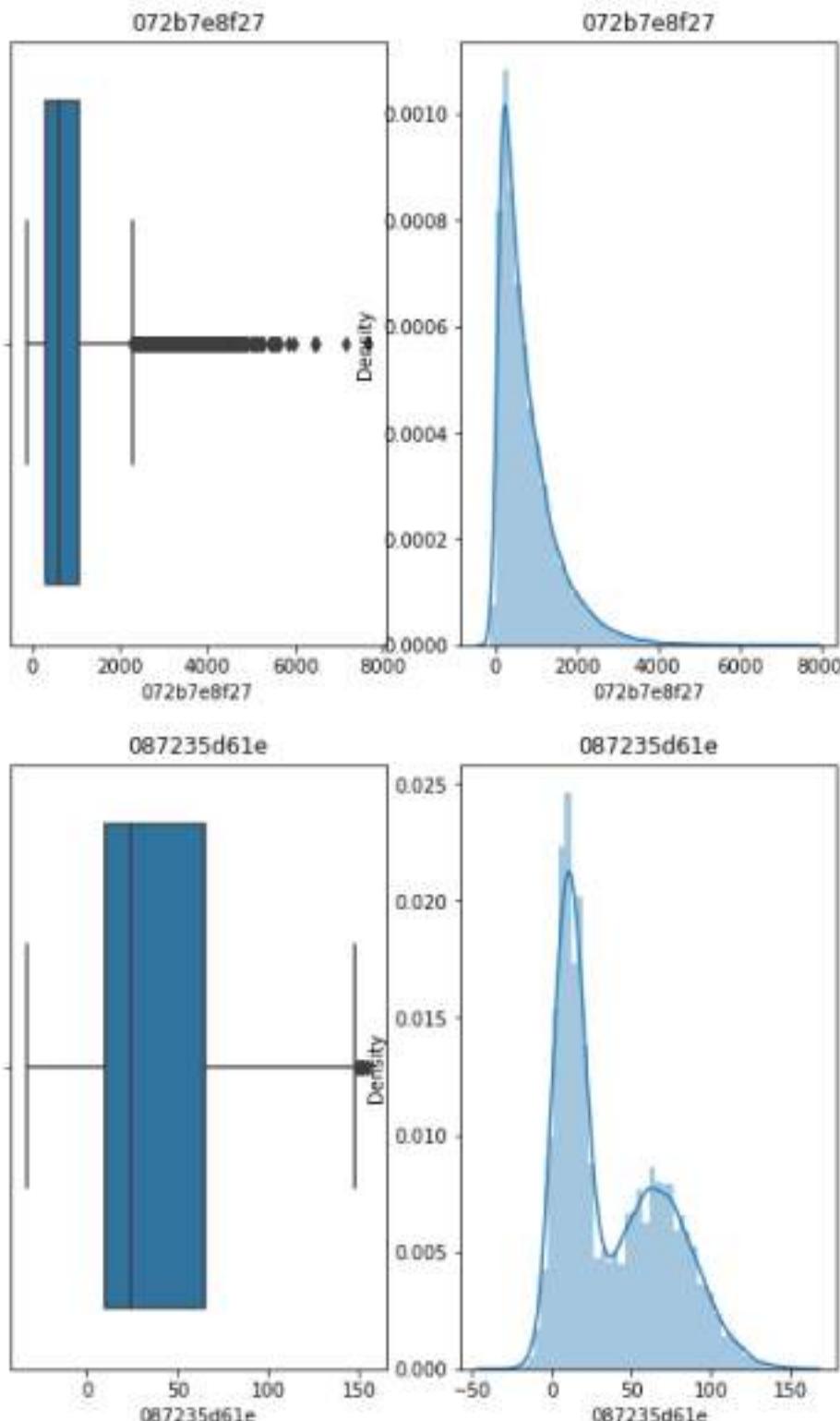
```
# Por não sabermos a natureza dos dados, vamos partir para uma abordagem não Linear
# Provavelmente o problema não é Linear
# A partir disso, vamos visualizar como ficam as distribuições e "outliers" das variáveis
# Visualizando outliers

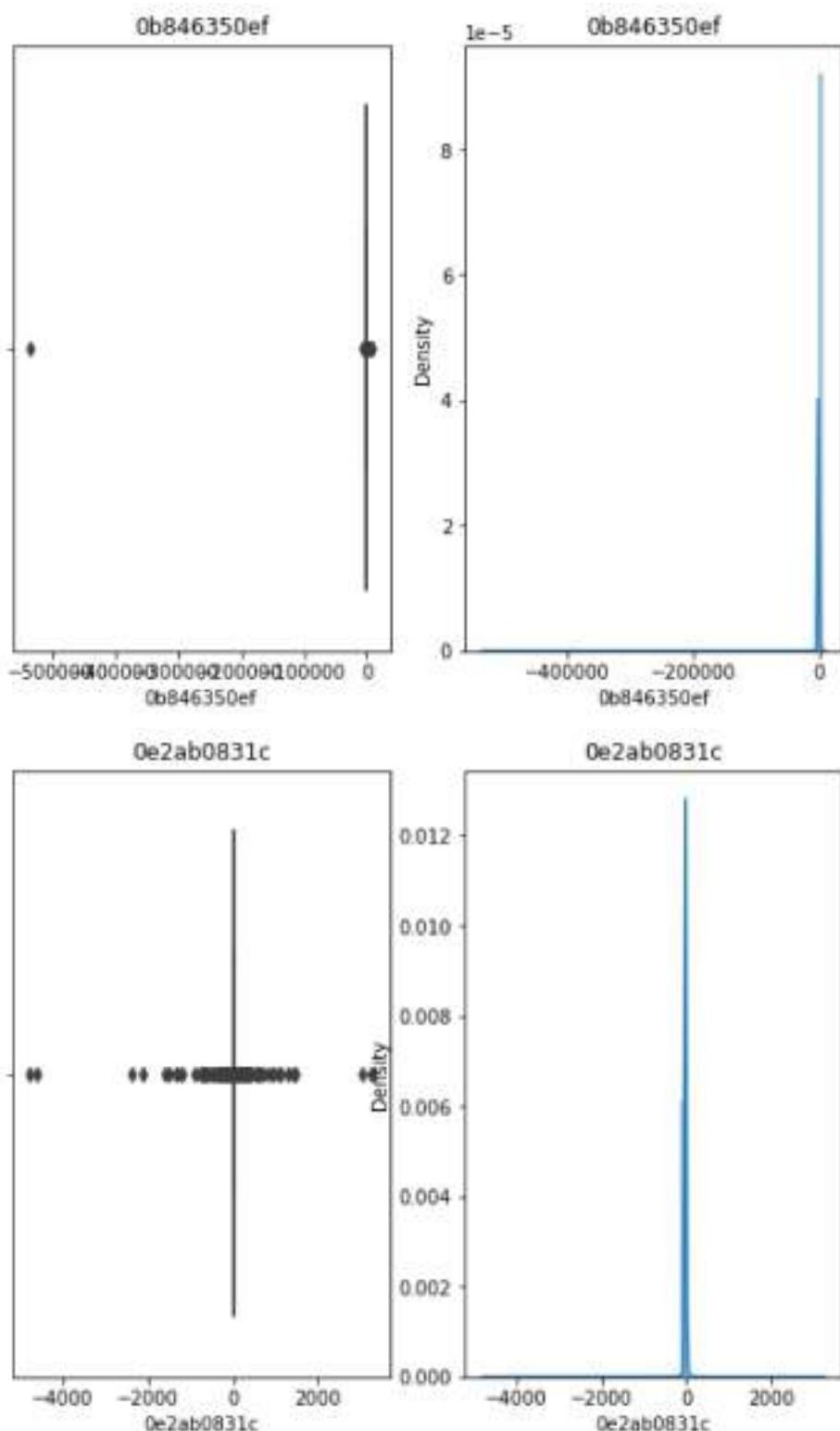
for i, variavel in enumerate(X.columns):
    plt.figure(figsize=(8, 6))
    plt.subplot(1, 2, 1)
    sns.boxplot(data=X, x=variavel)
    plt.title(variavel)

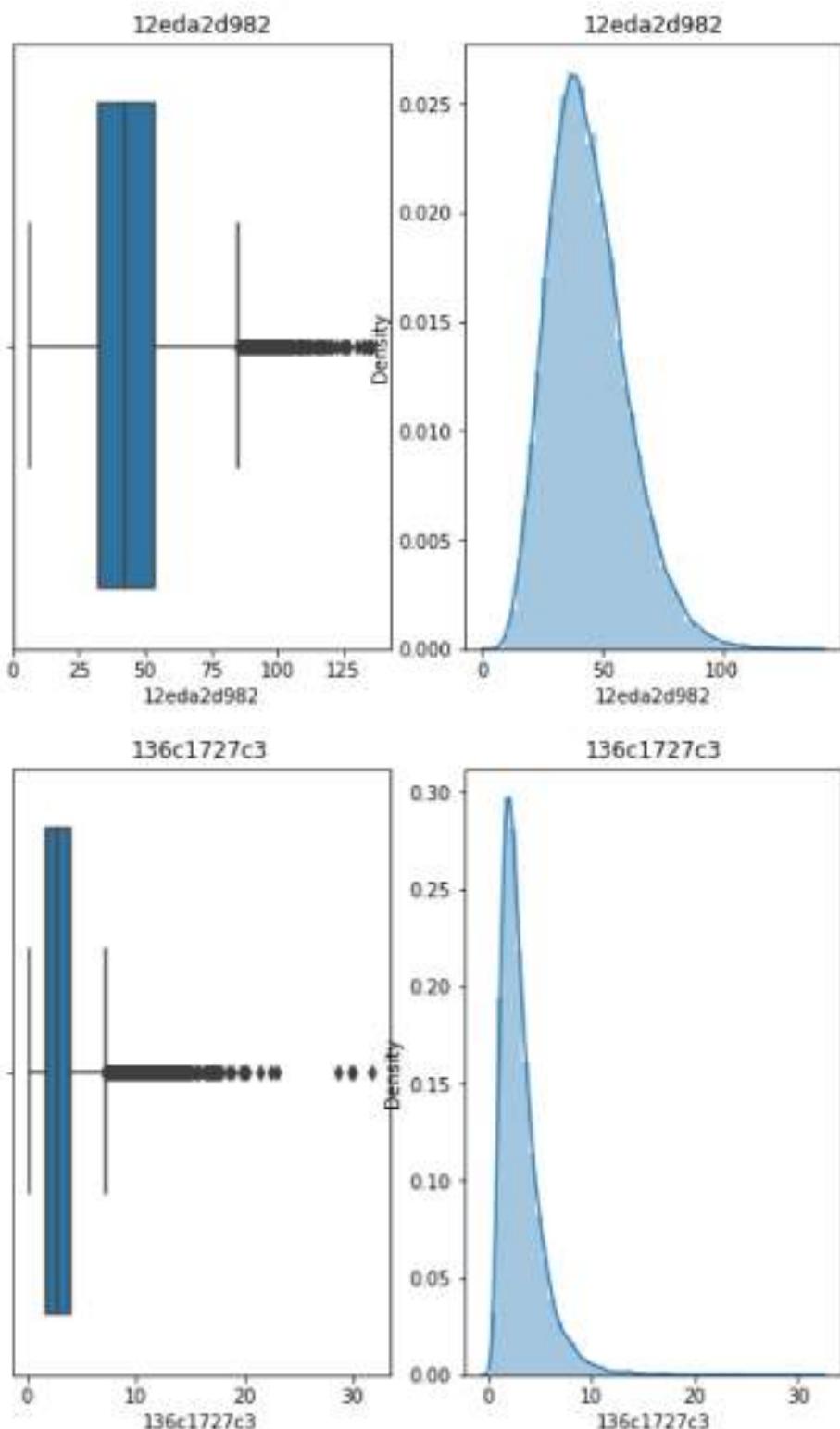
    plt.subplot(1, 2, 2)
    sns.distplot(X[variavel])
    plt.title(variavel)
```

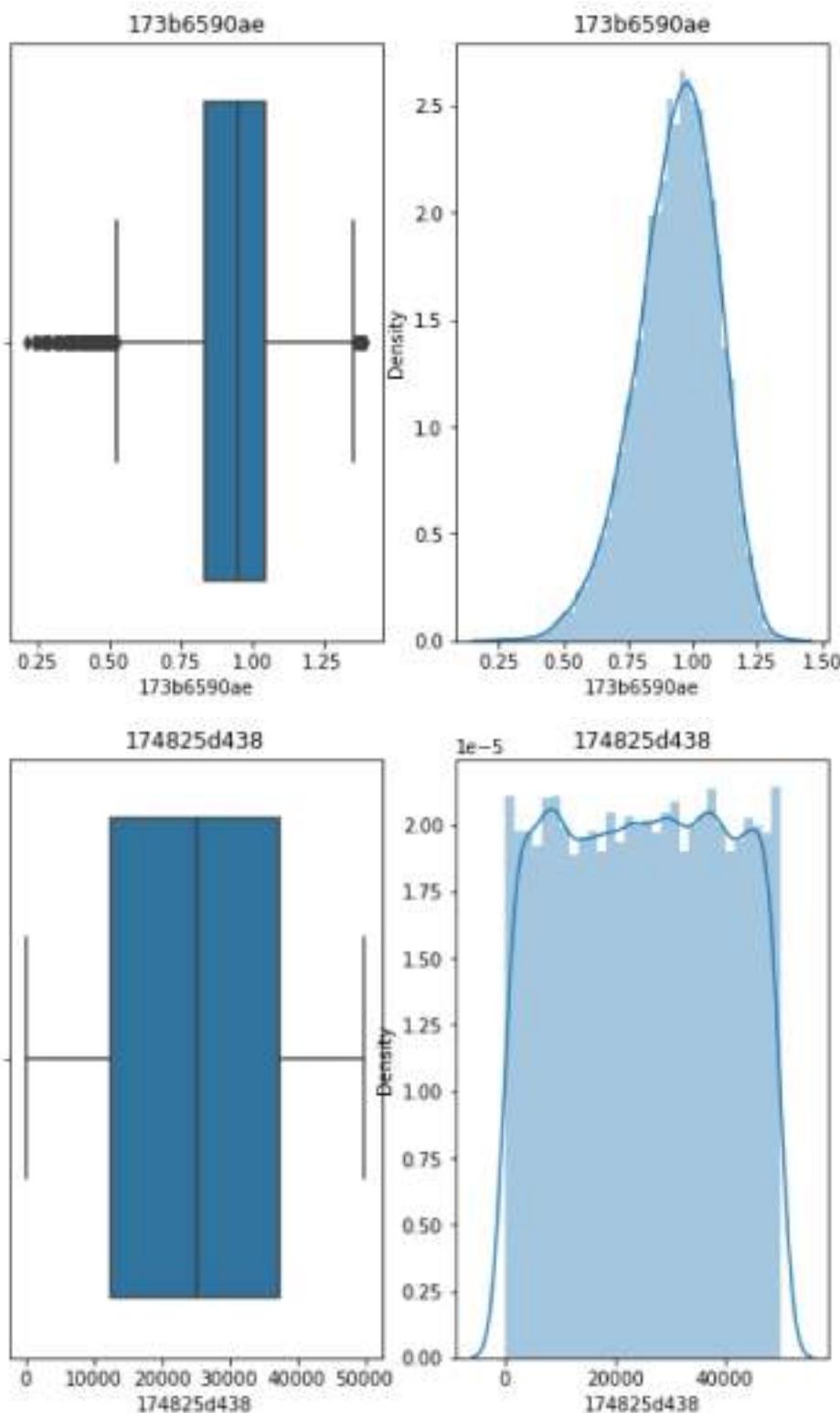


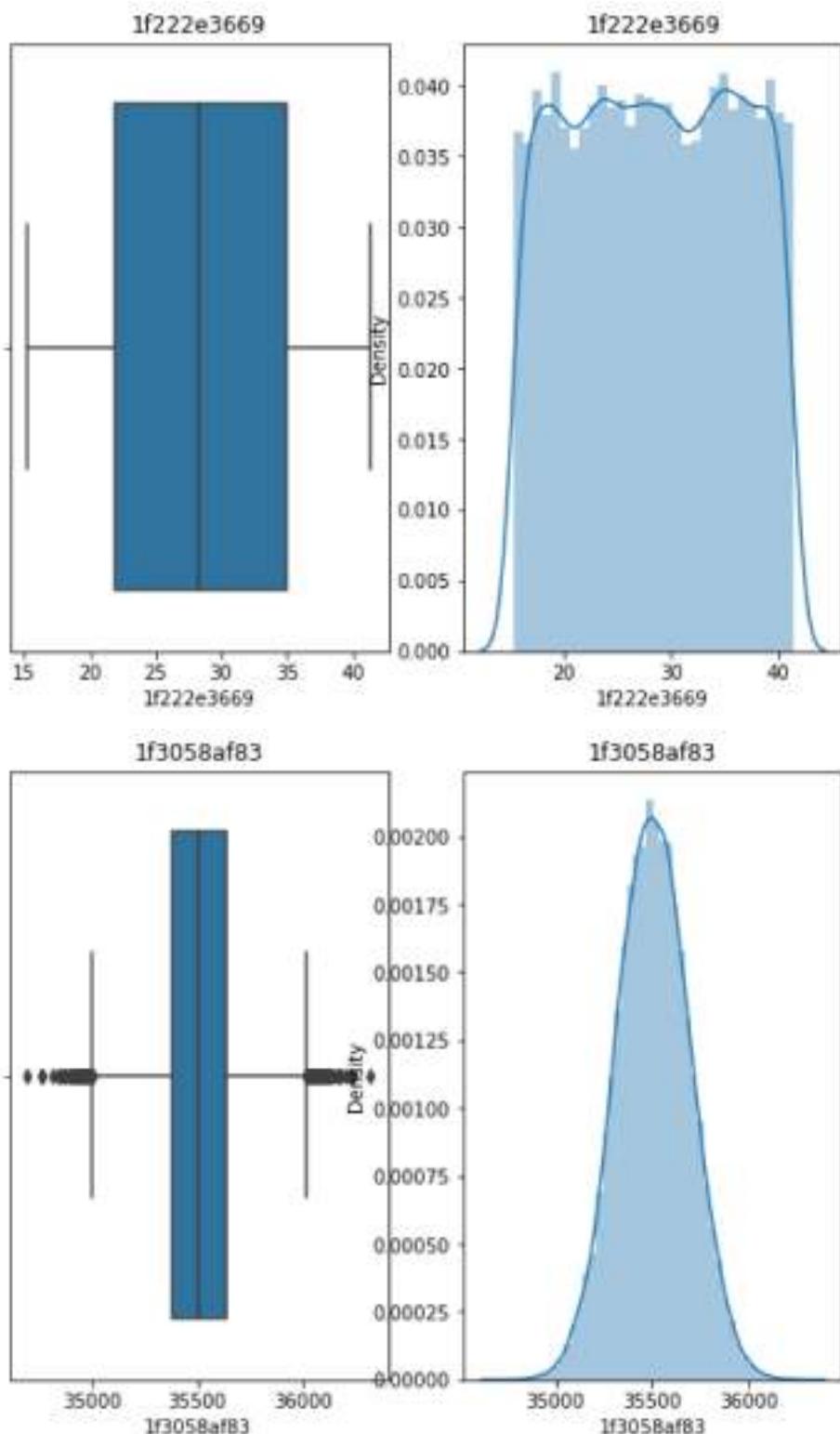


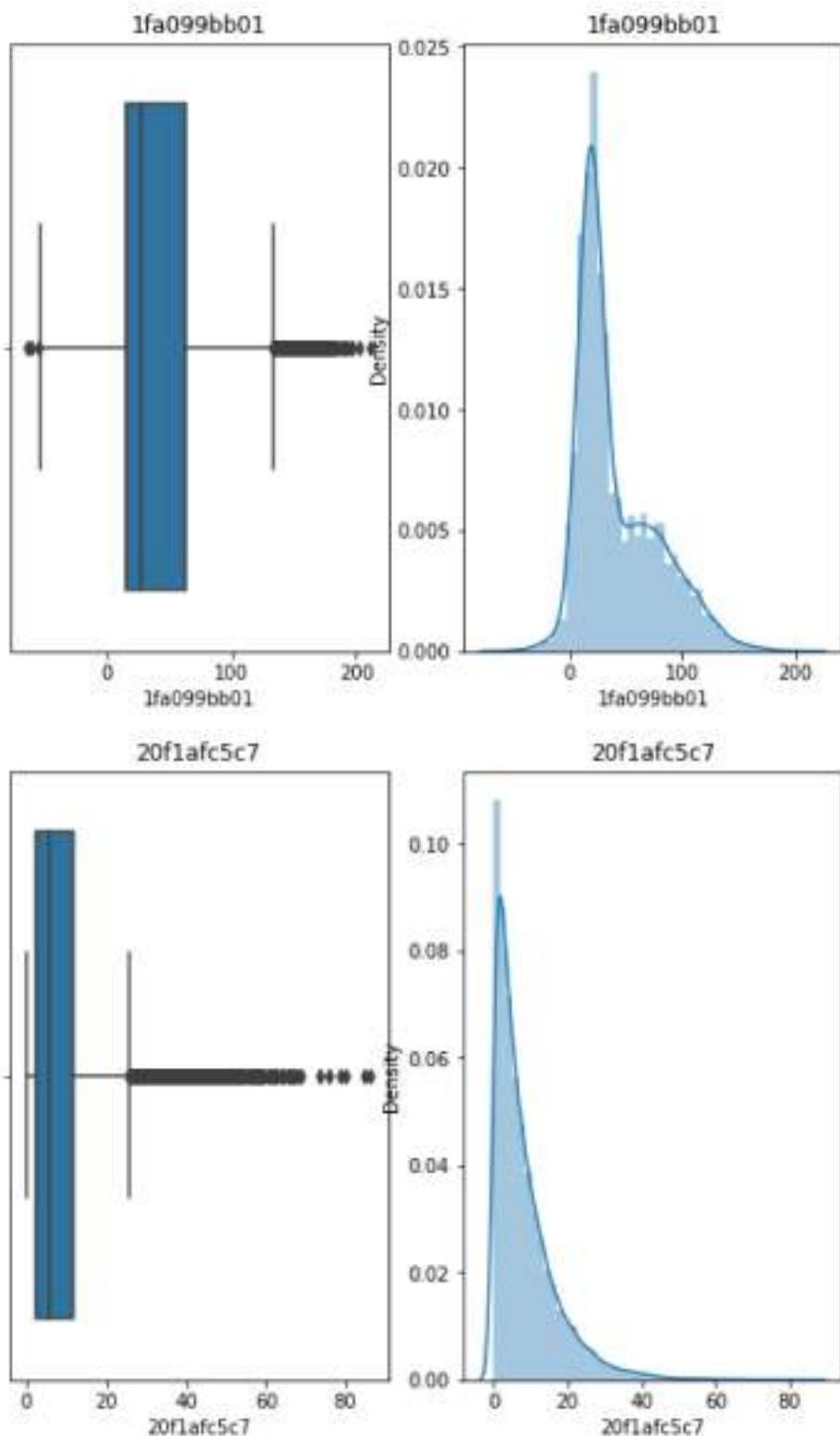


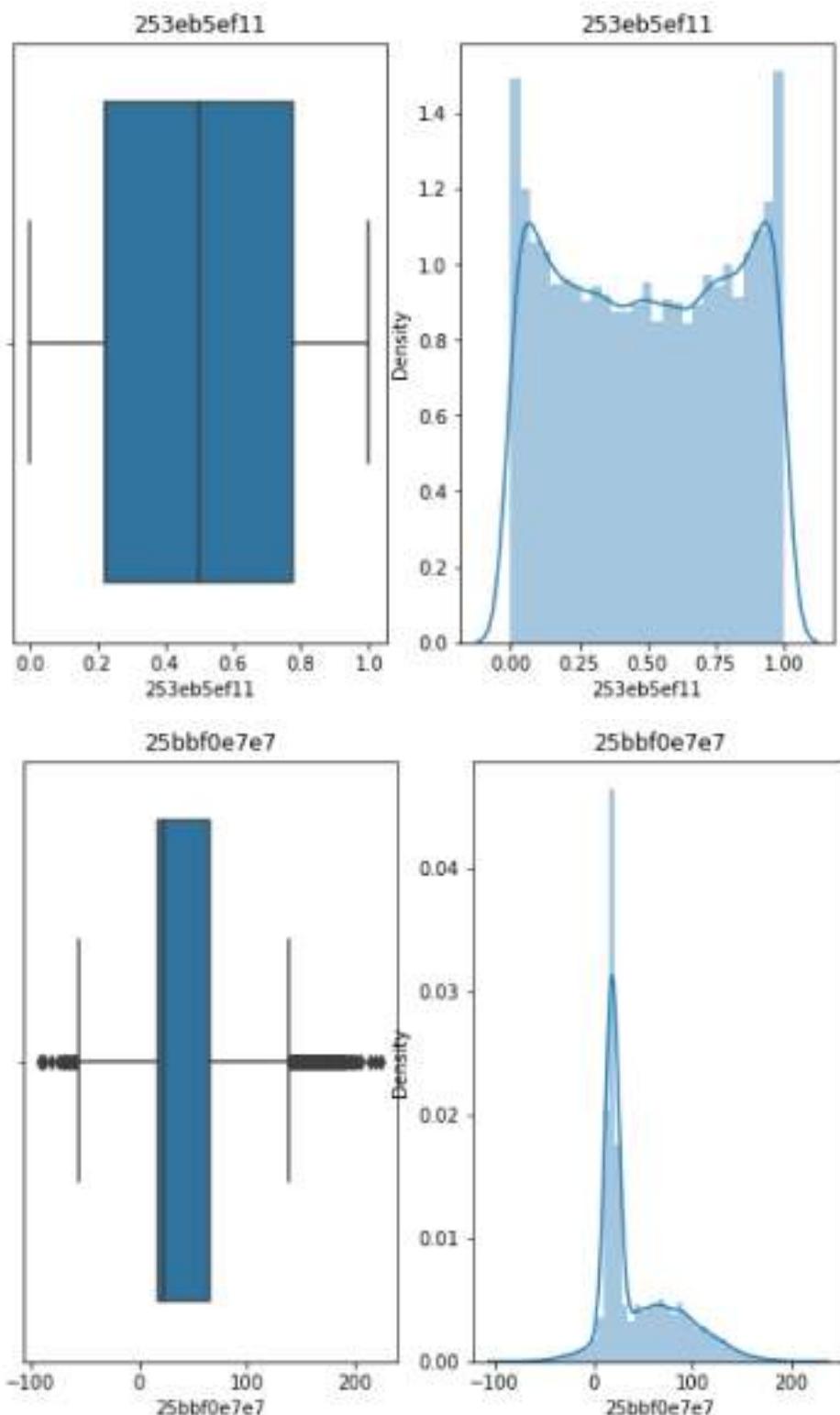


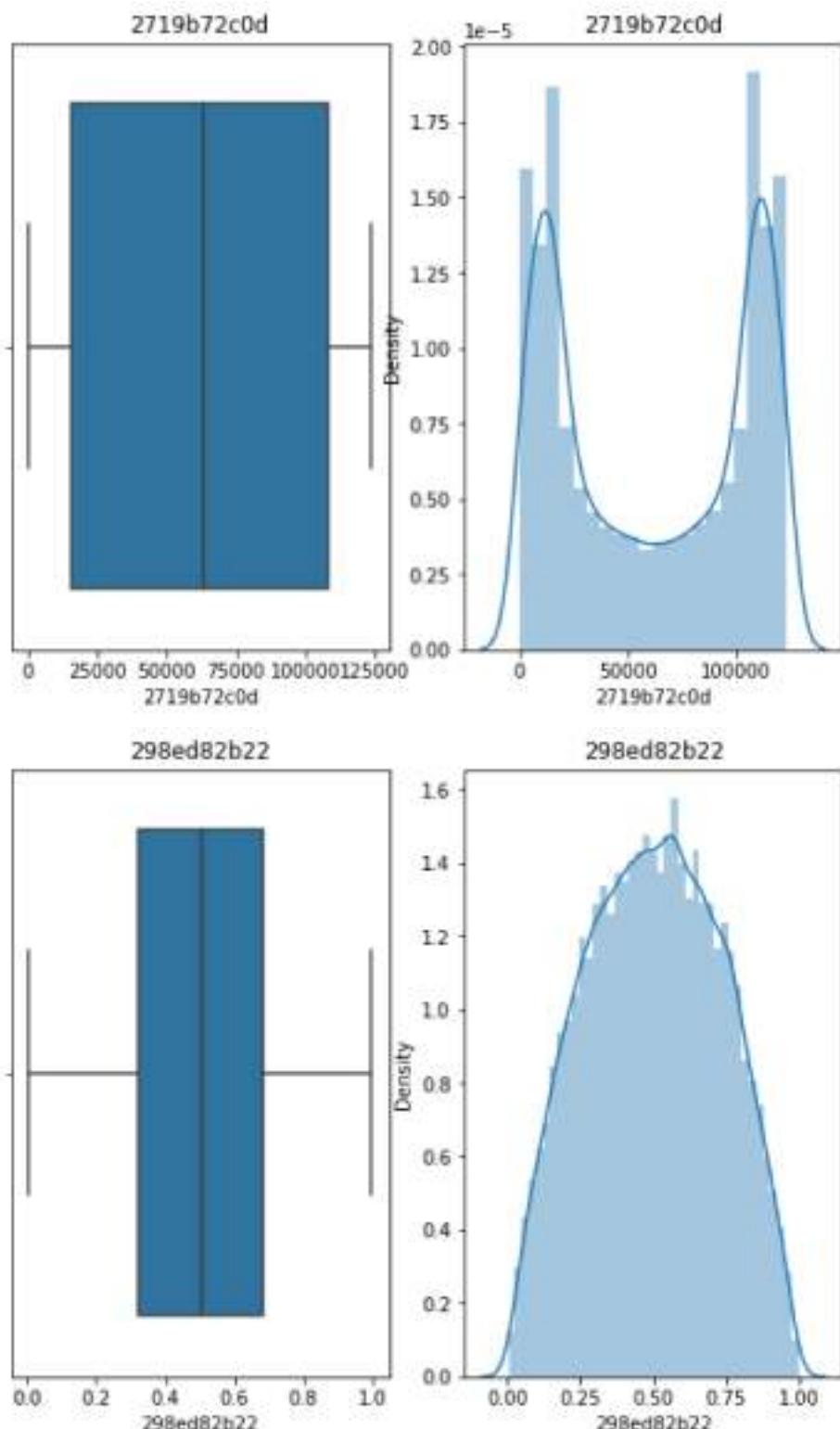


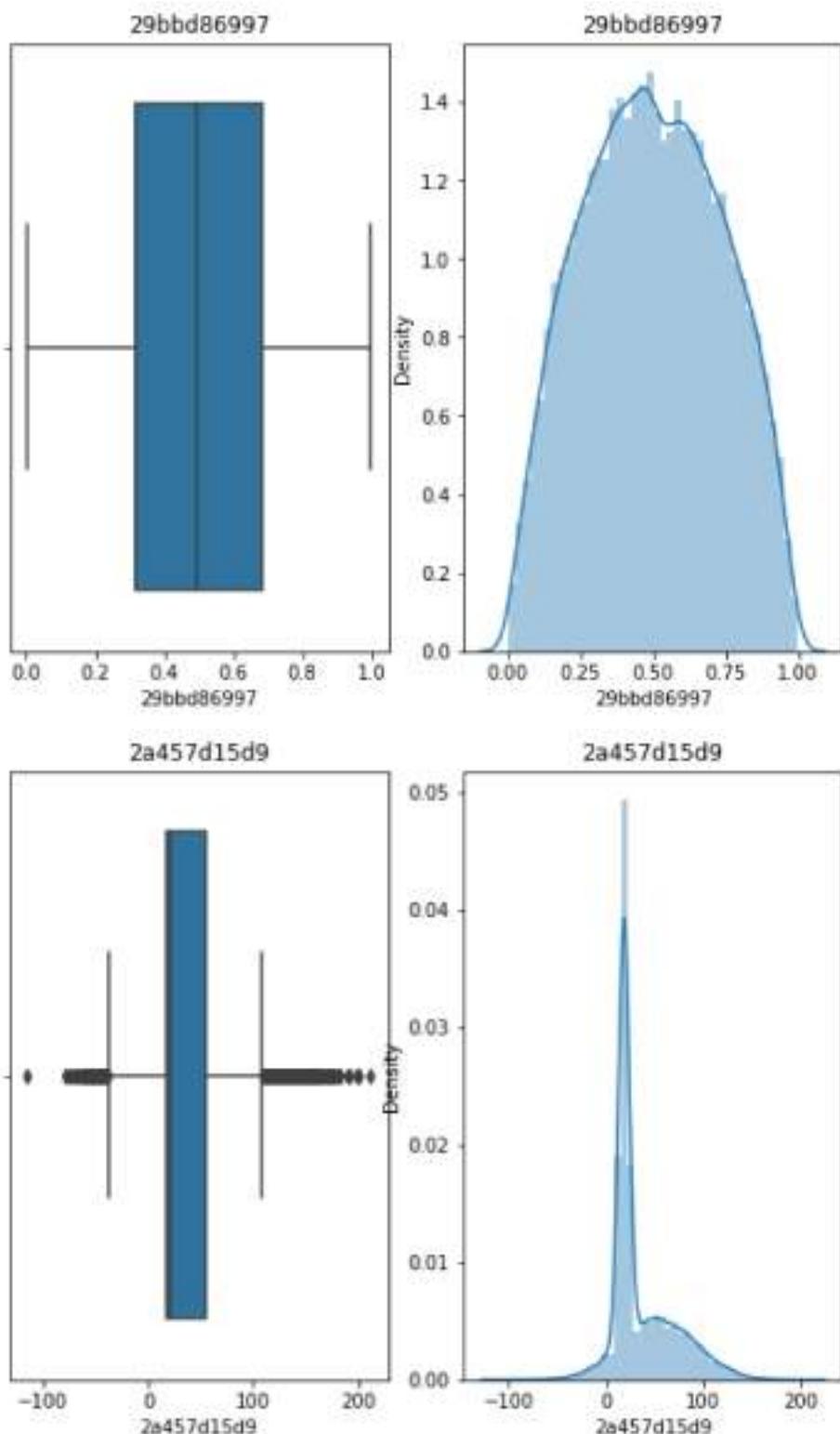


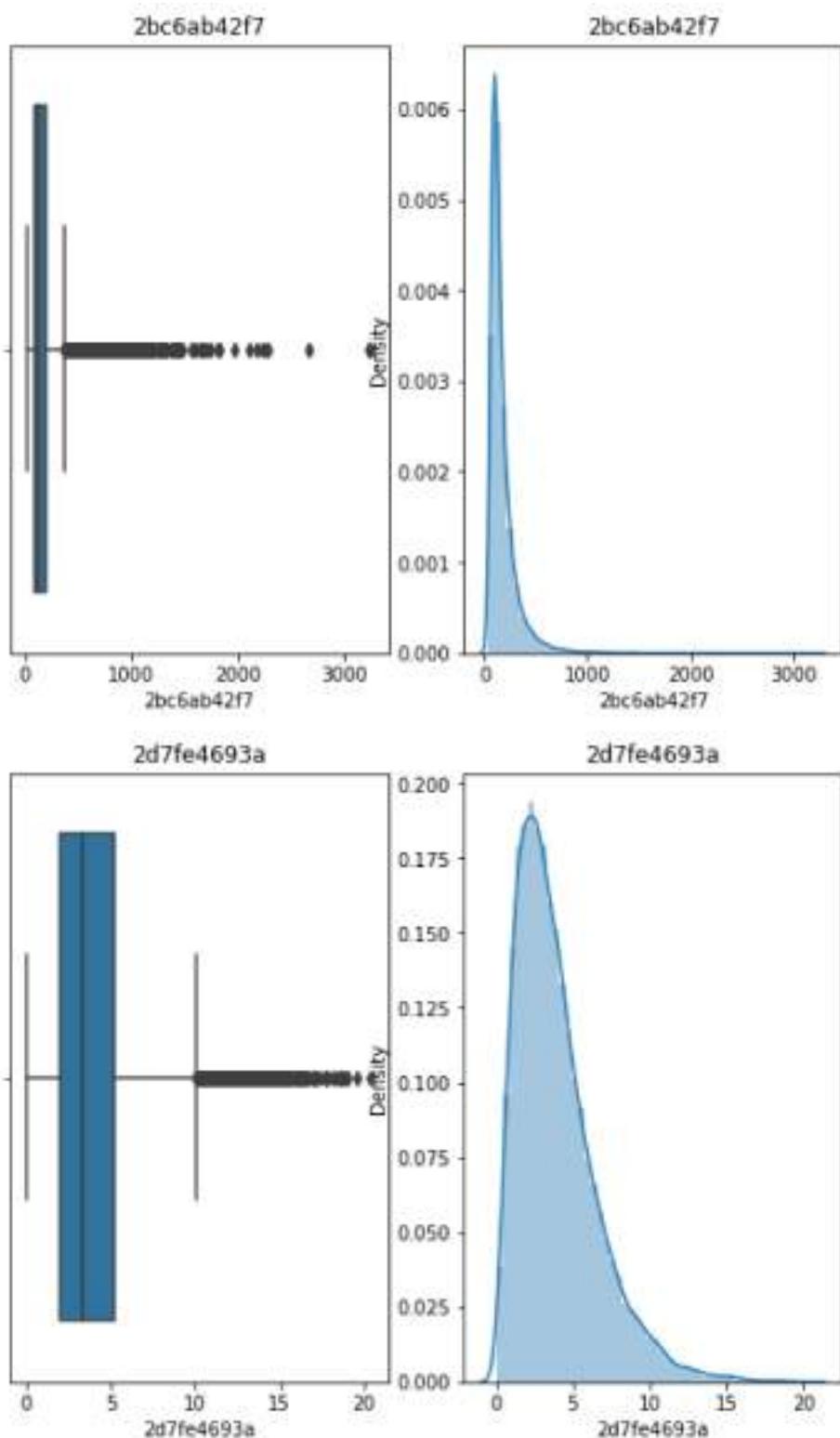


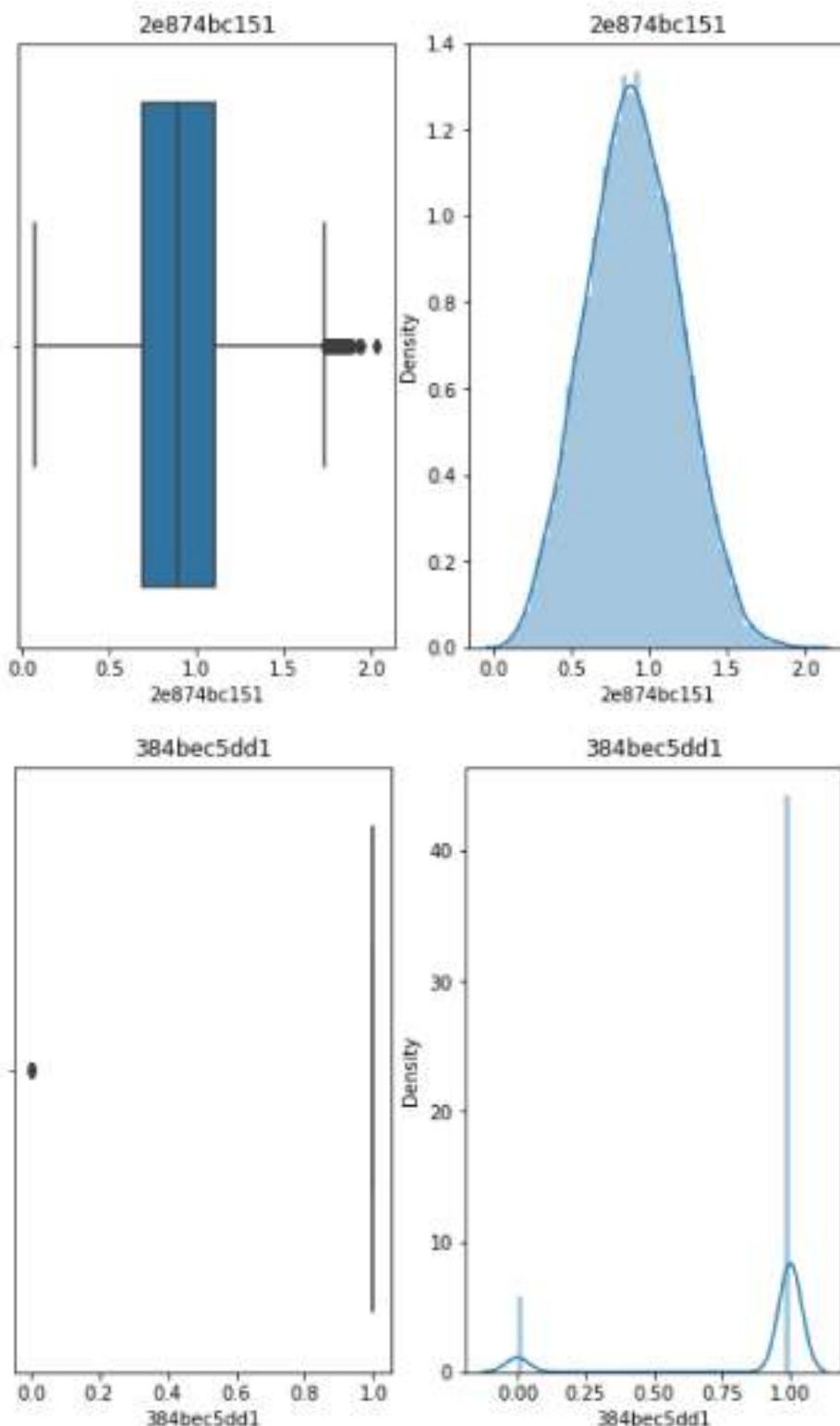


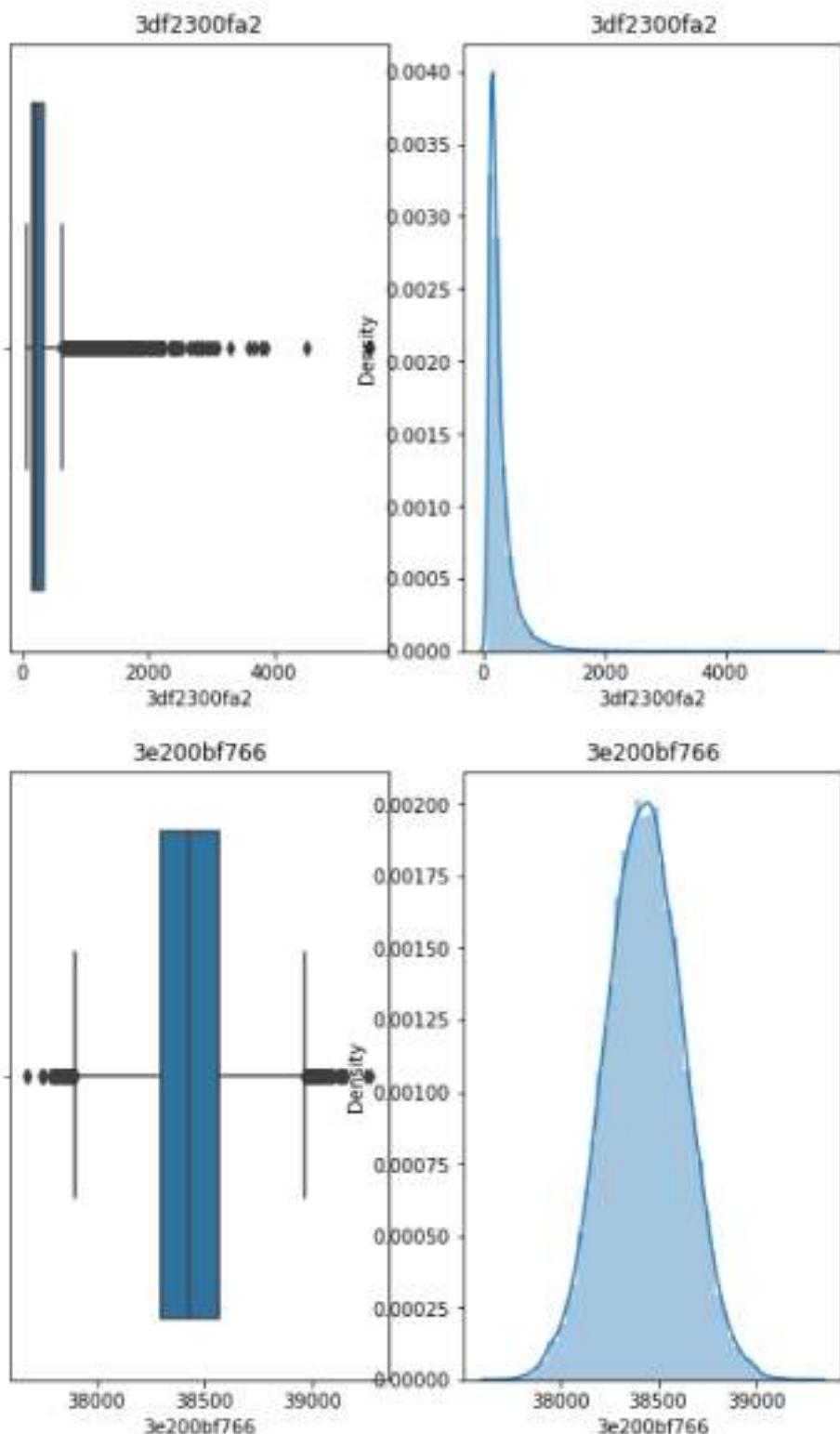


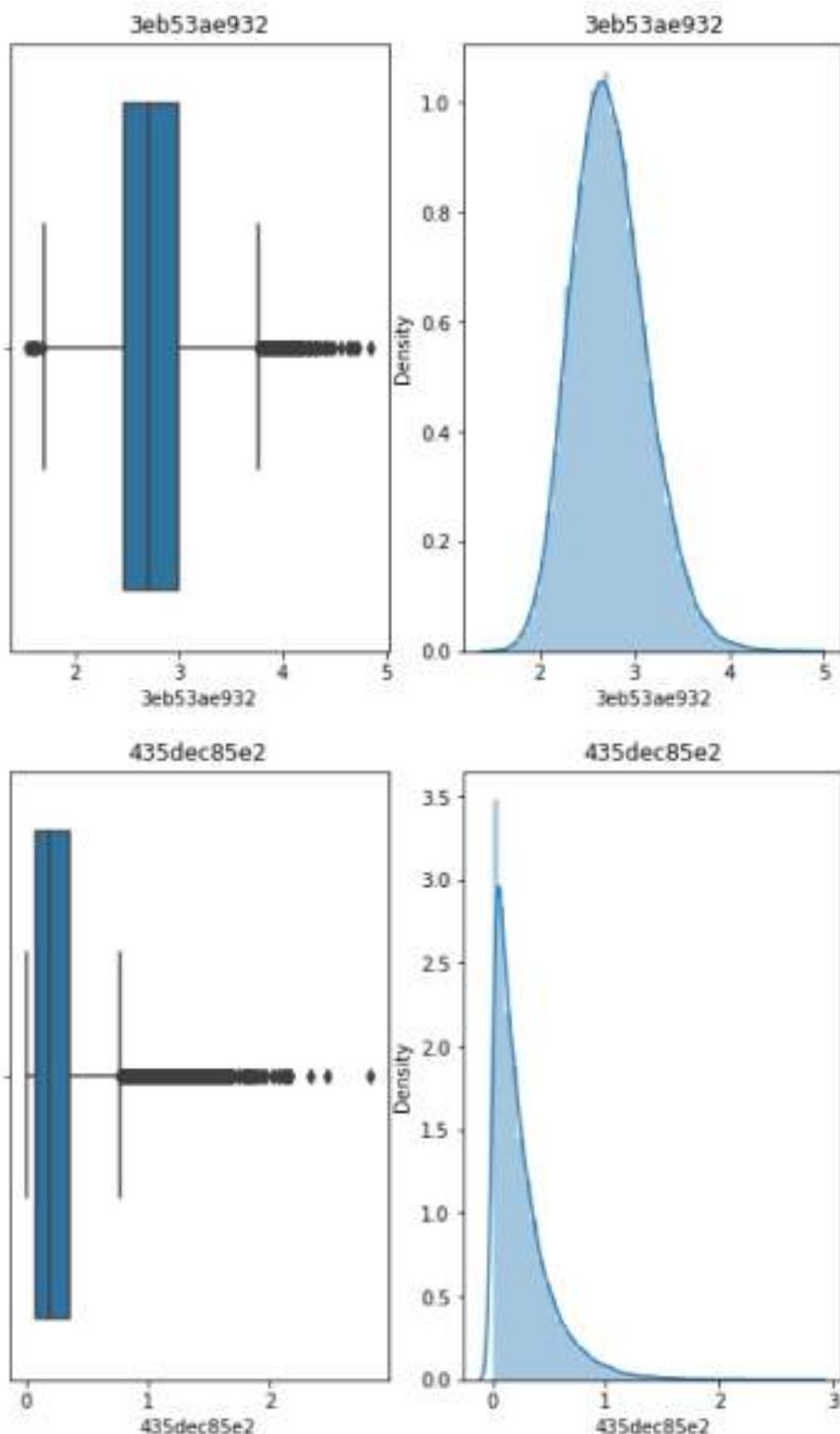


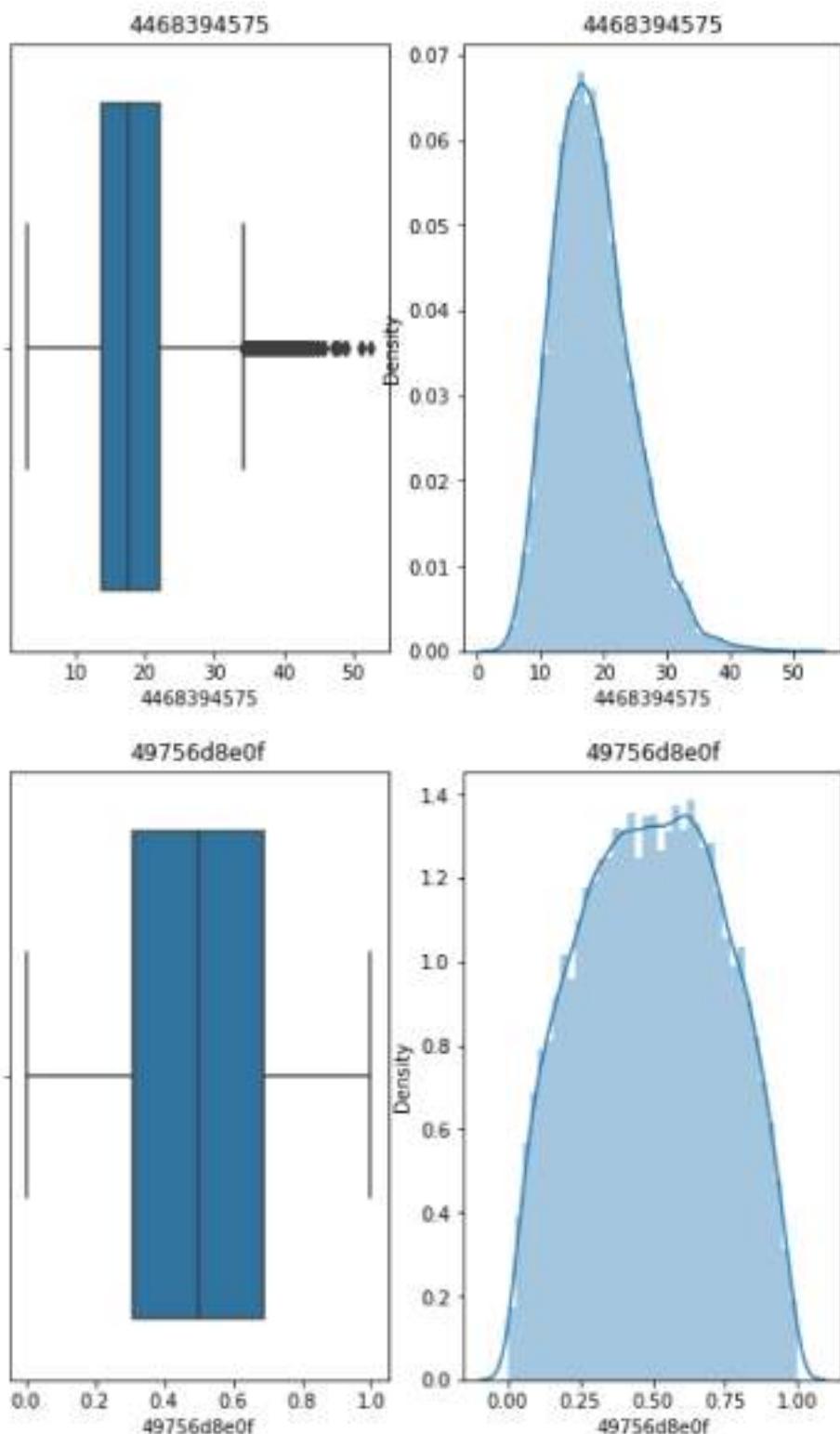


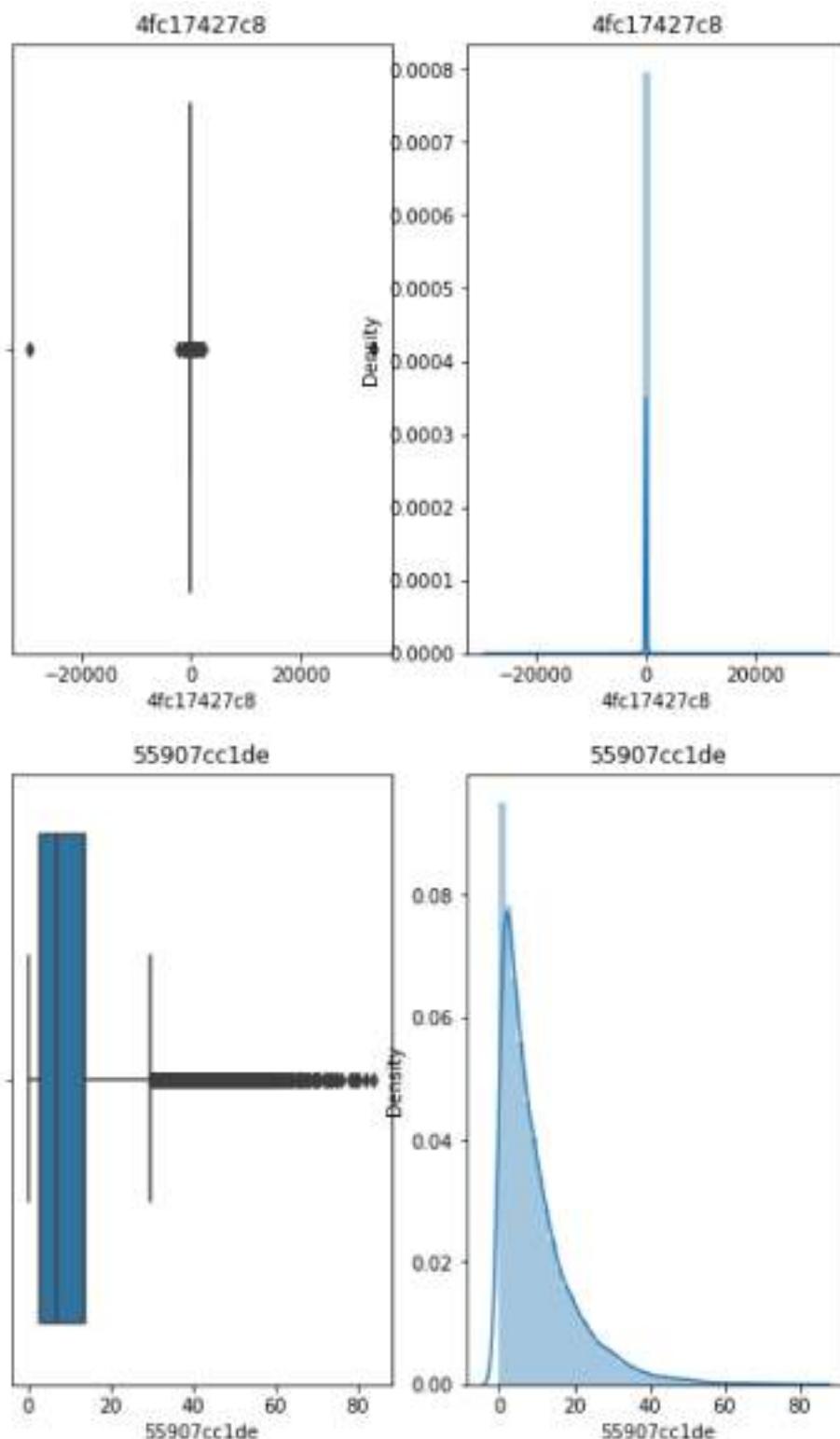


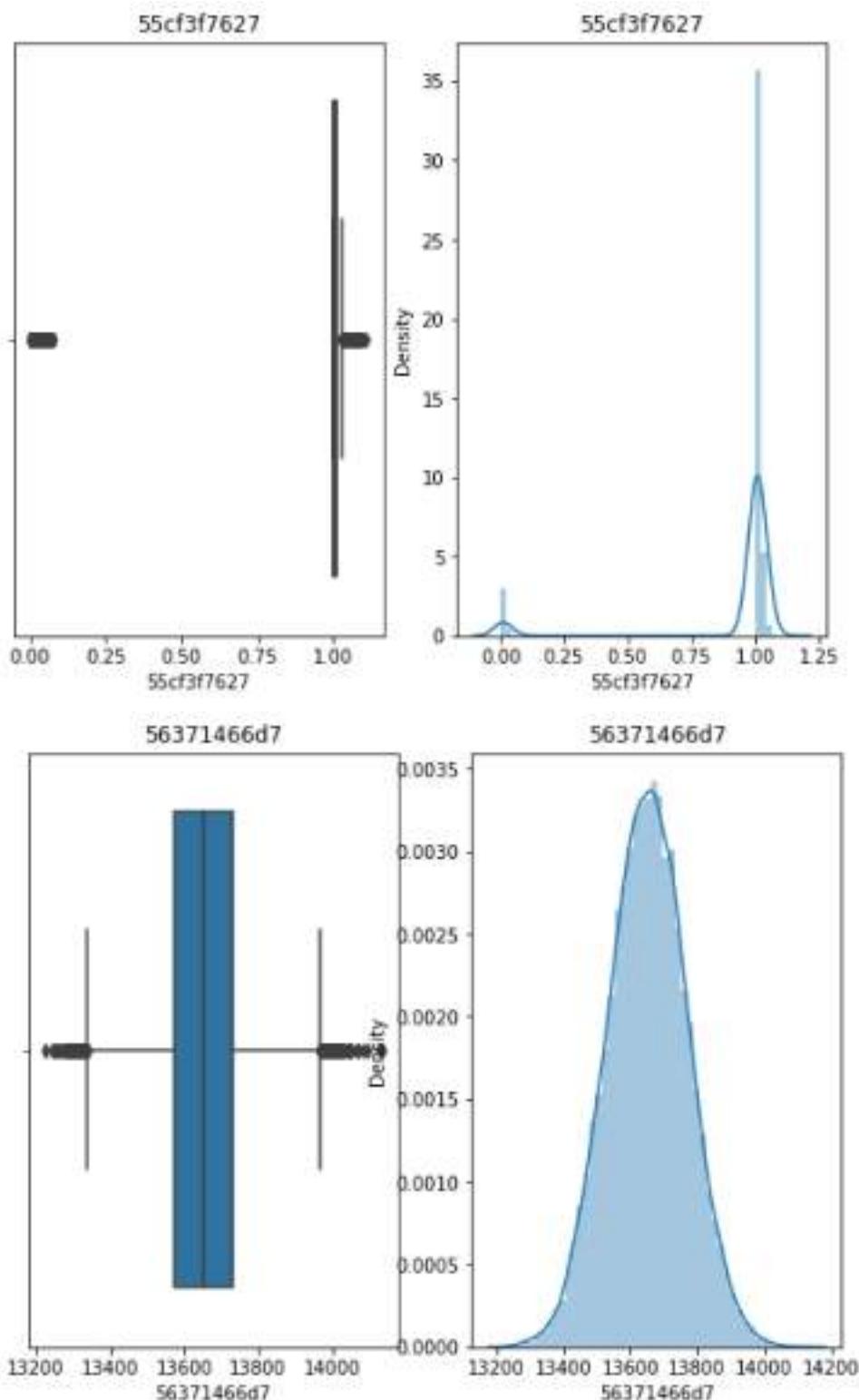


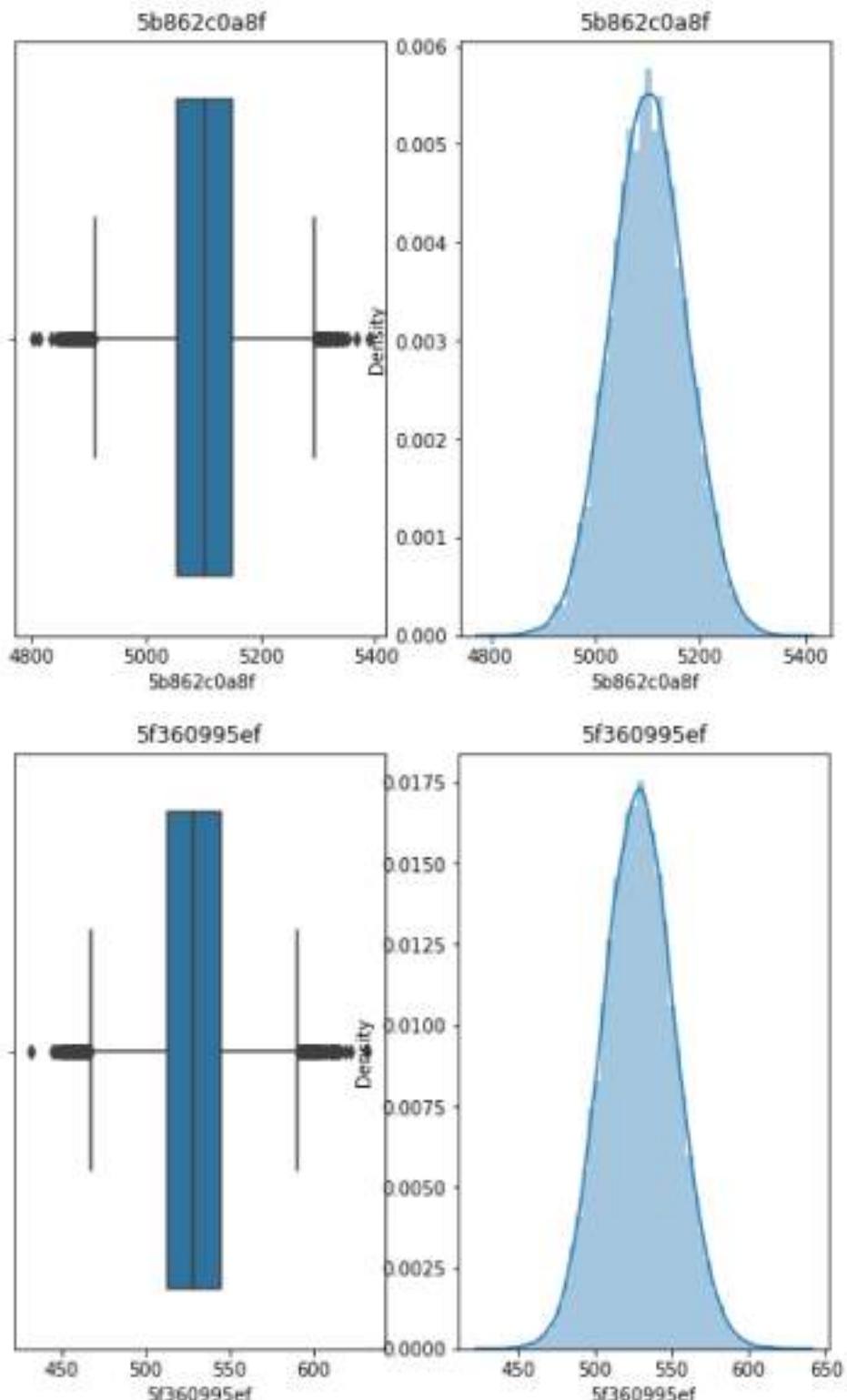


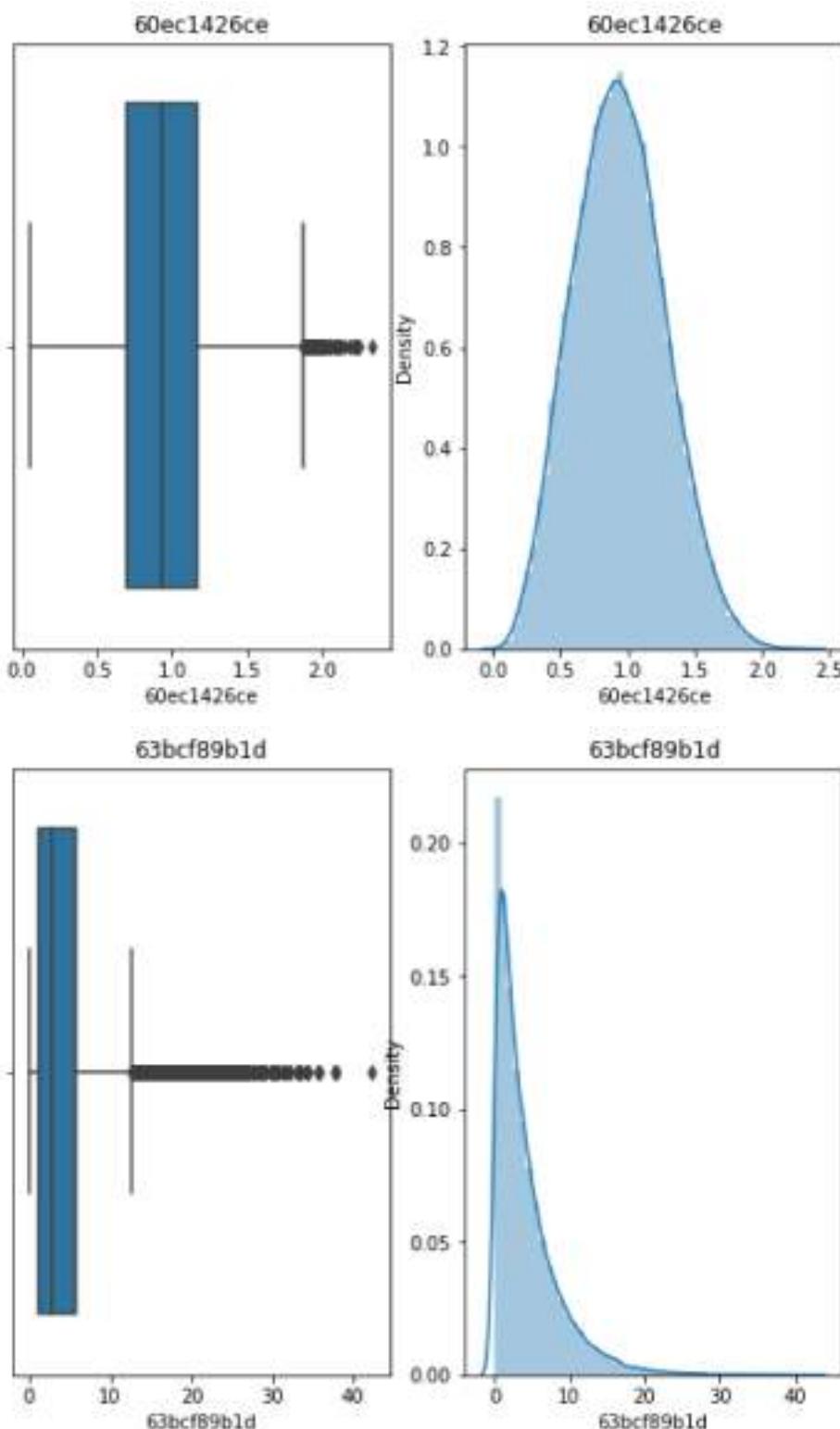


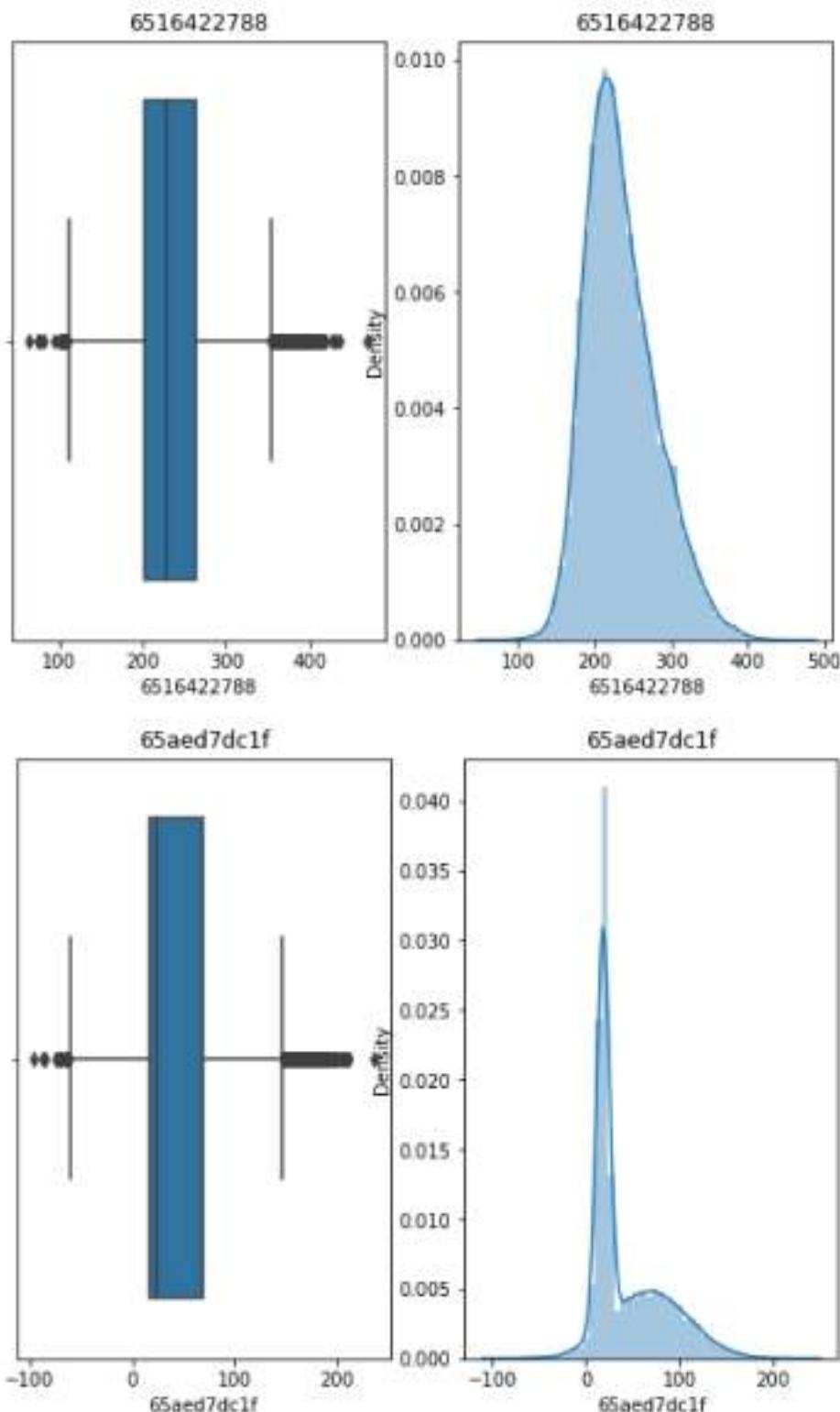


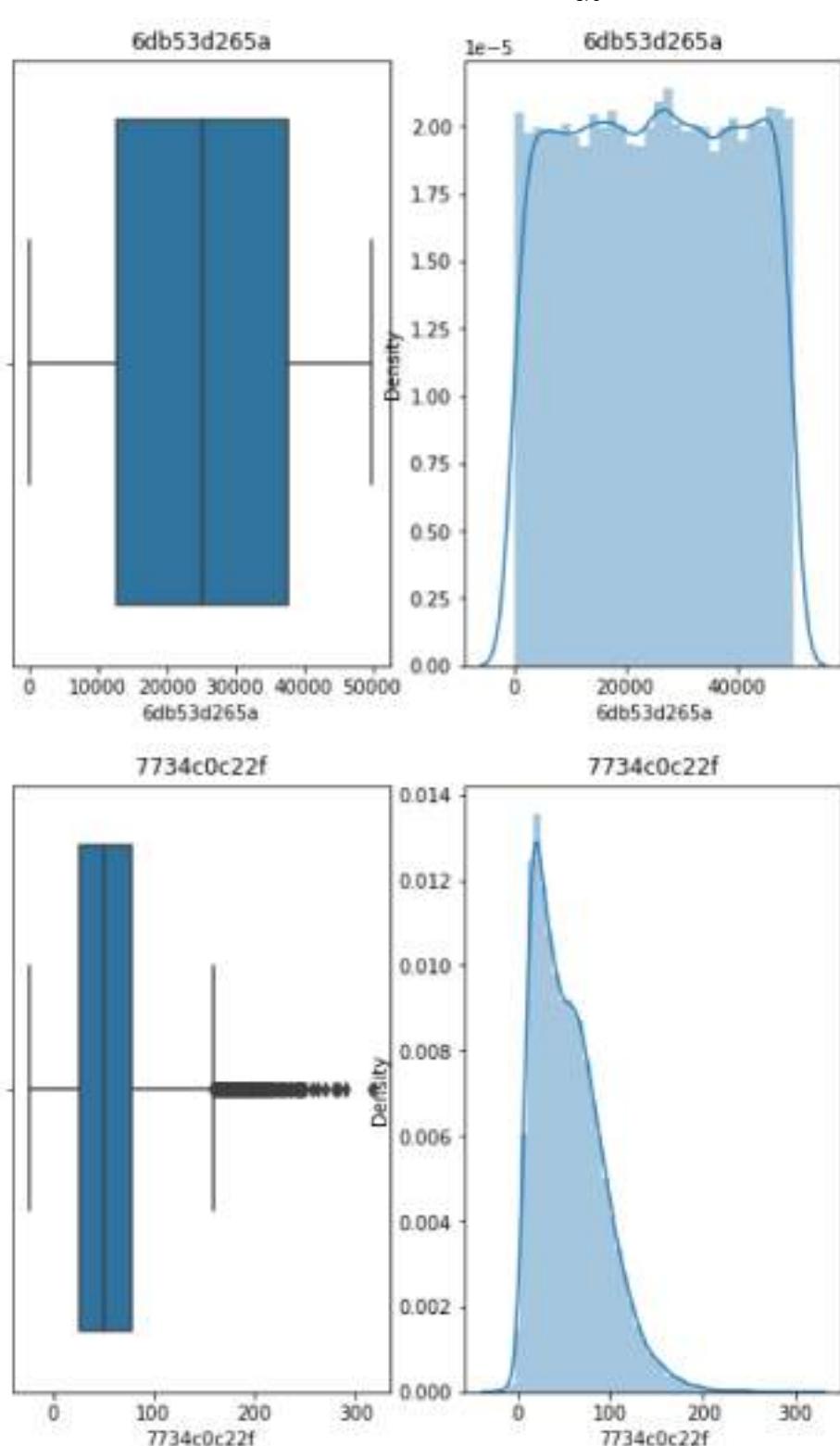


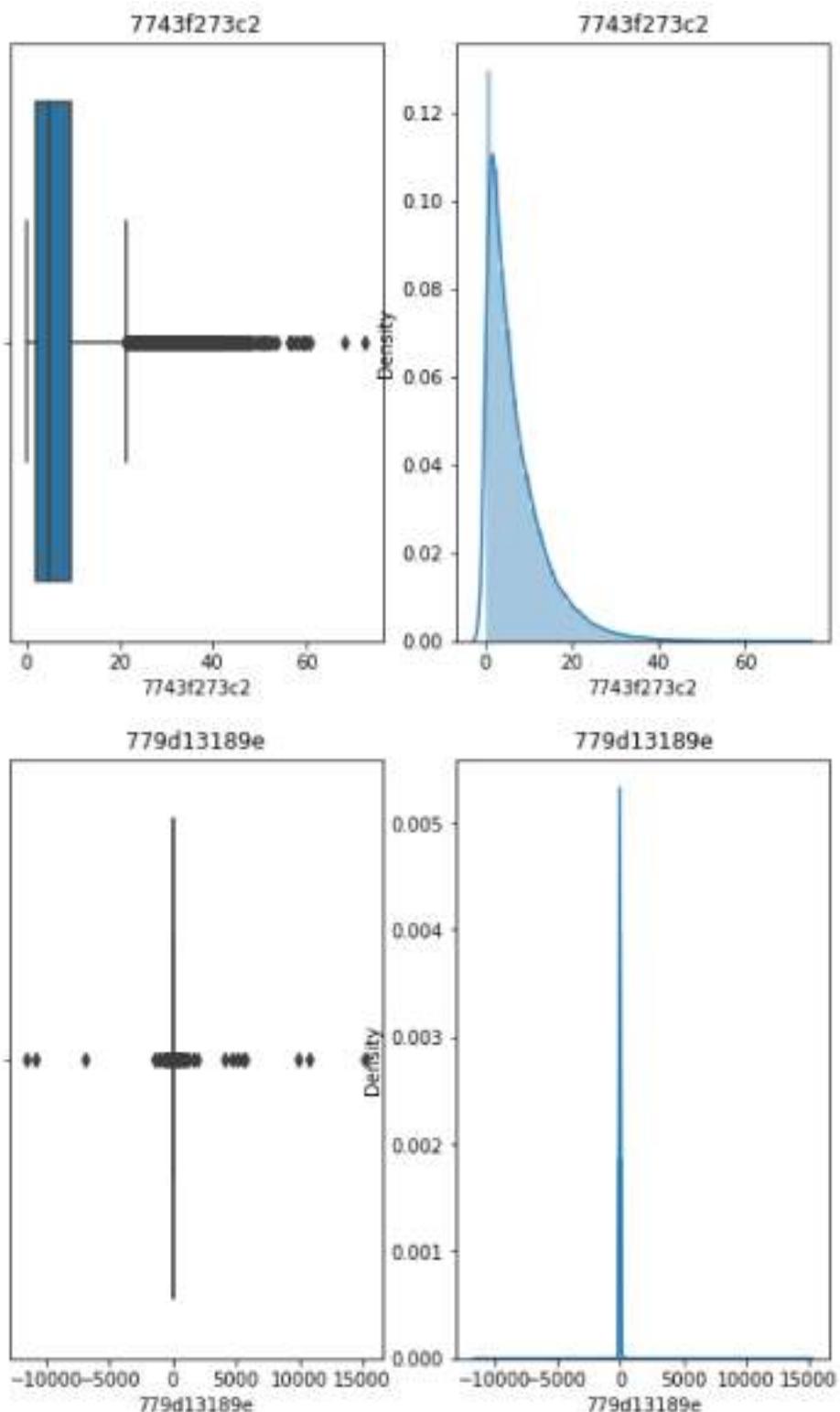


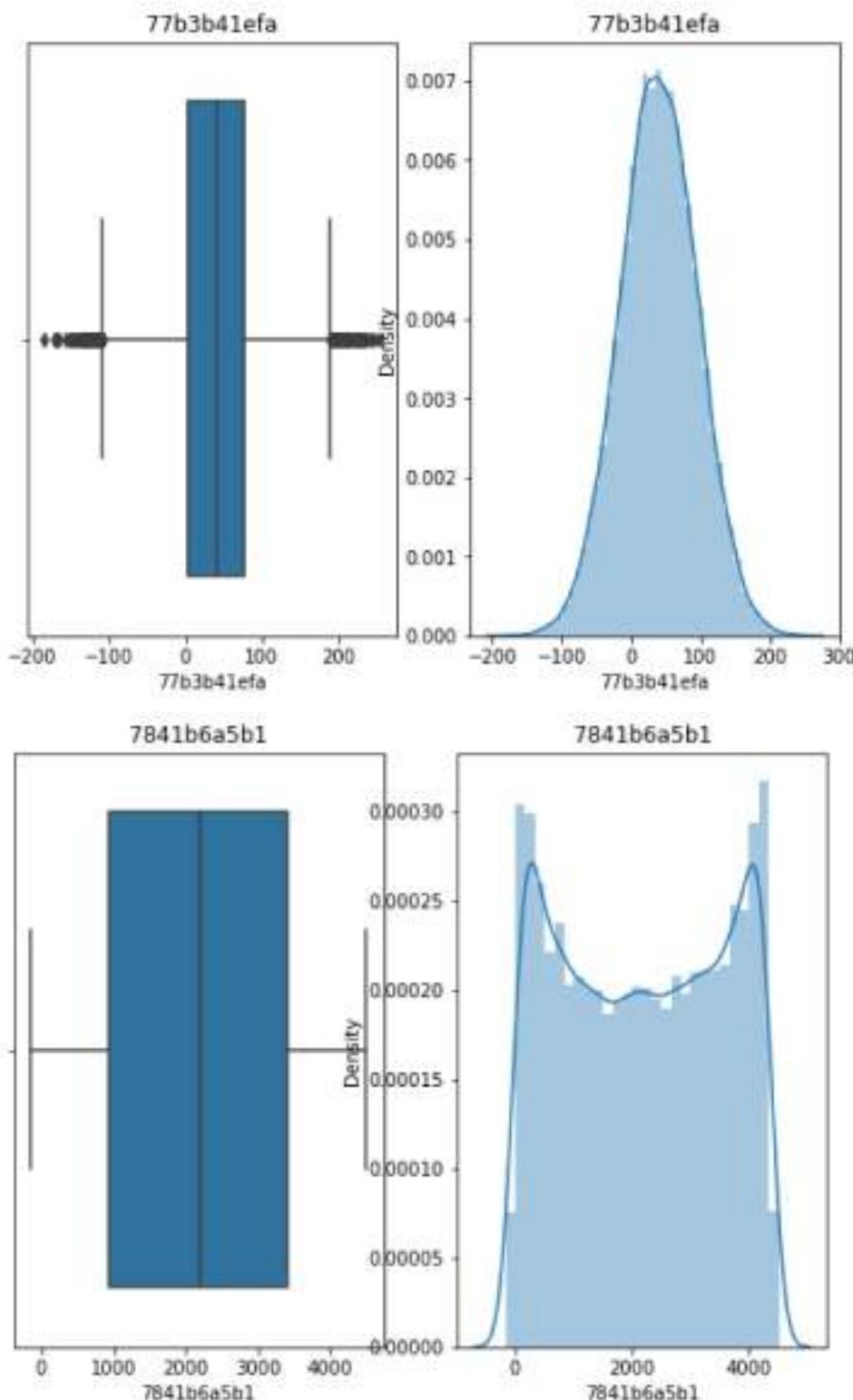


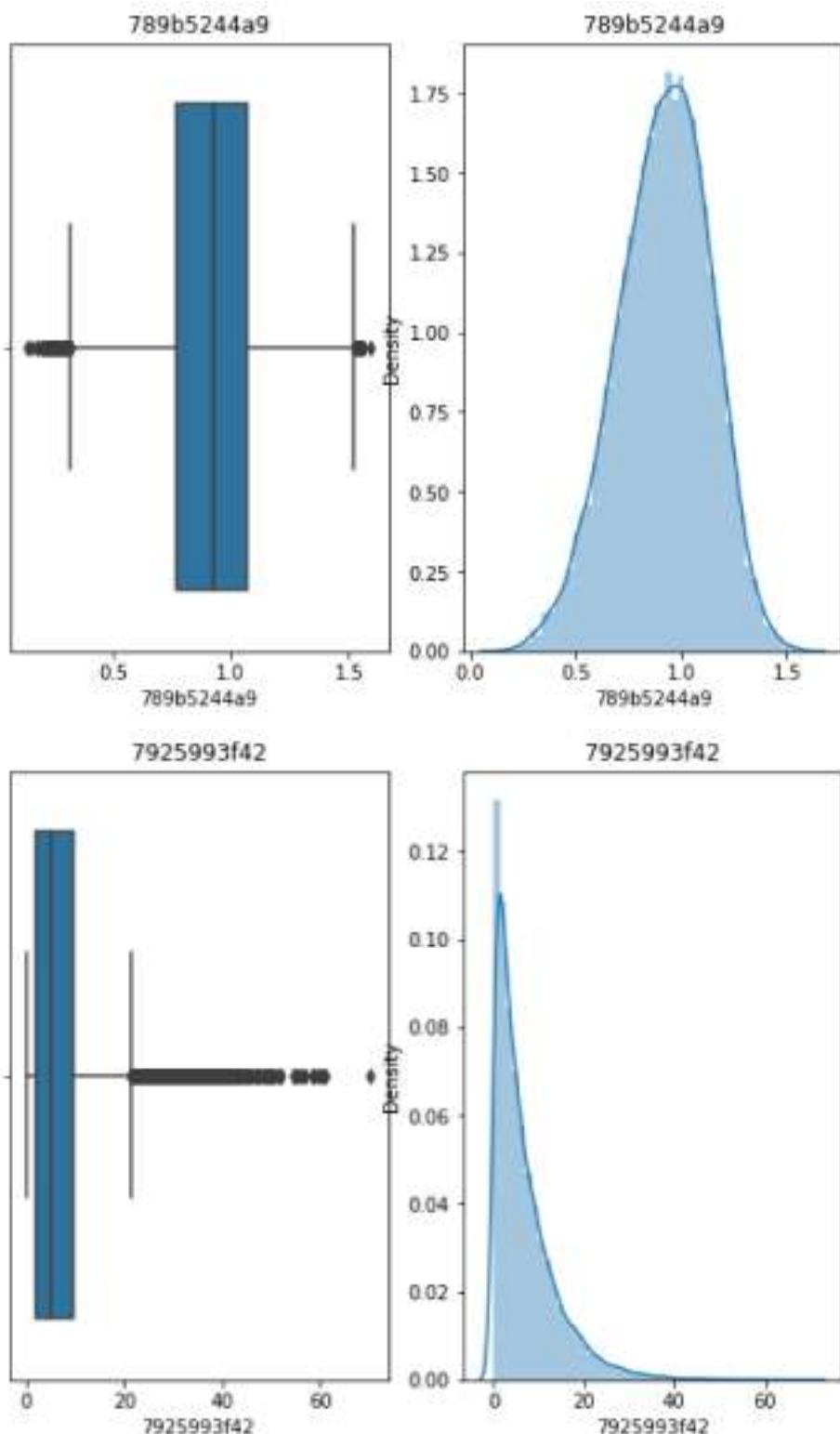


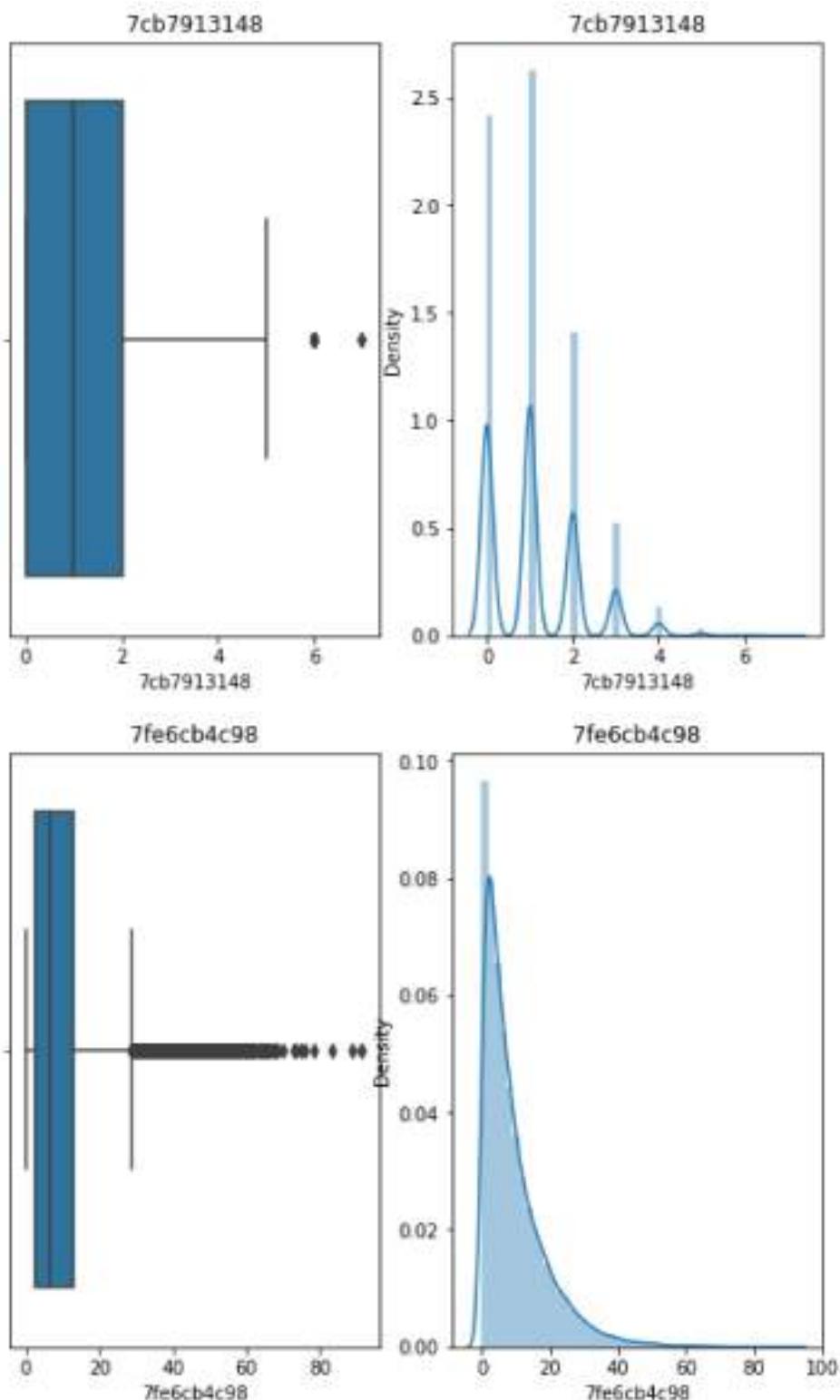


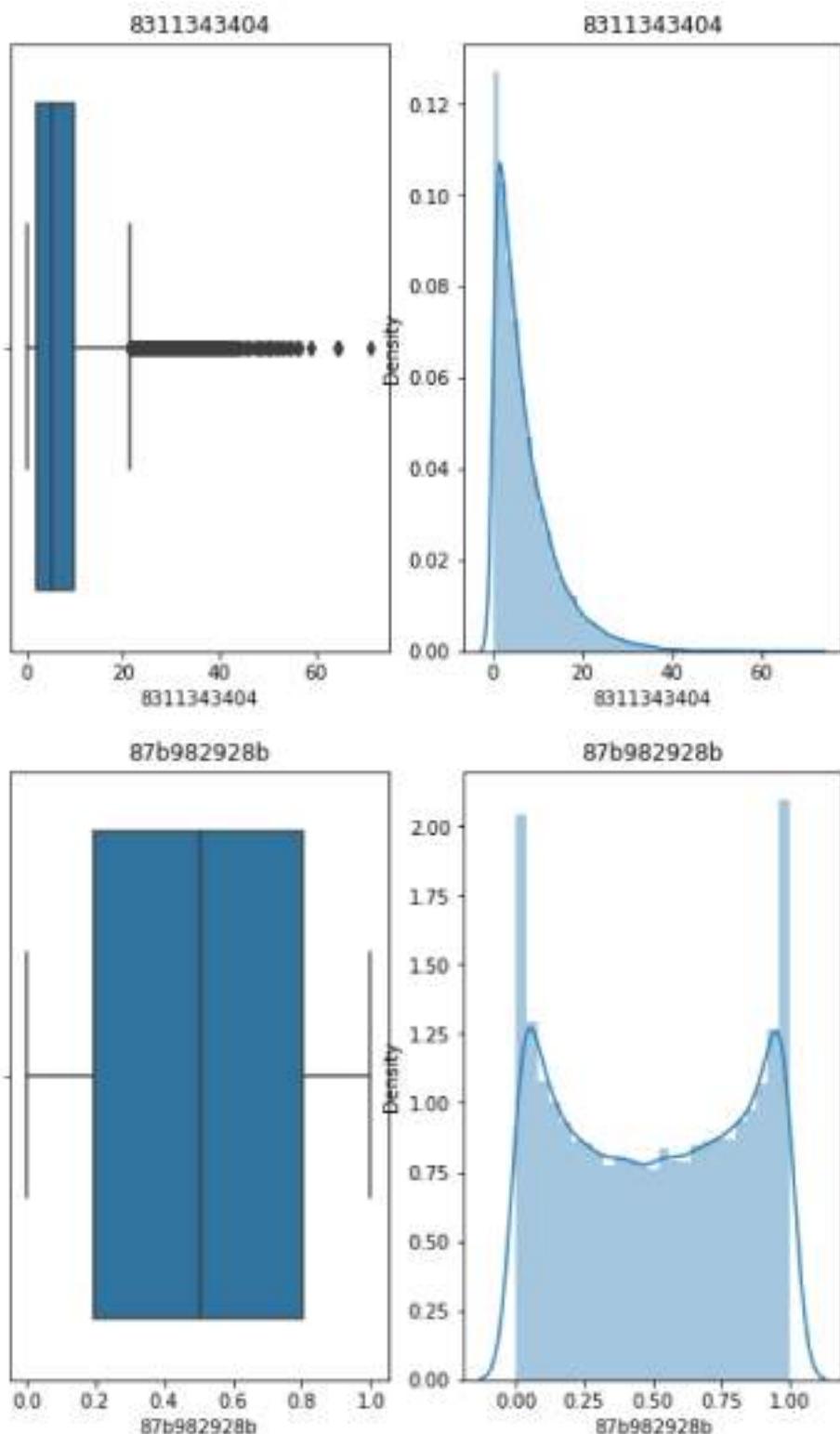


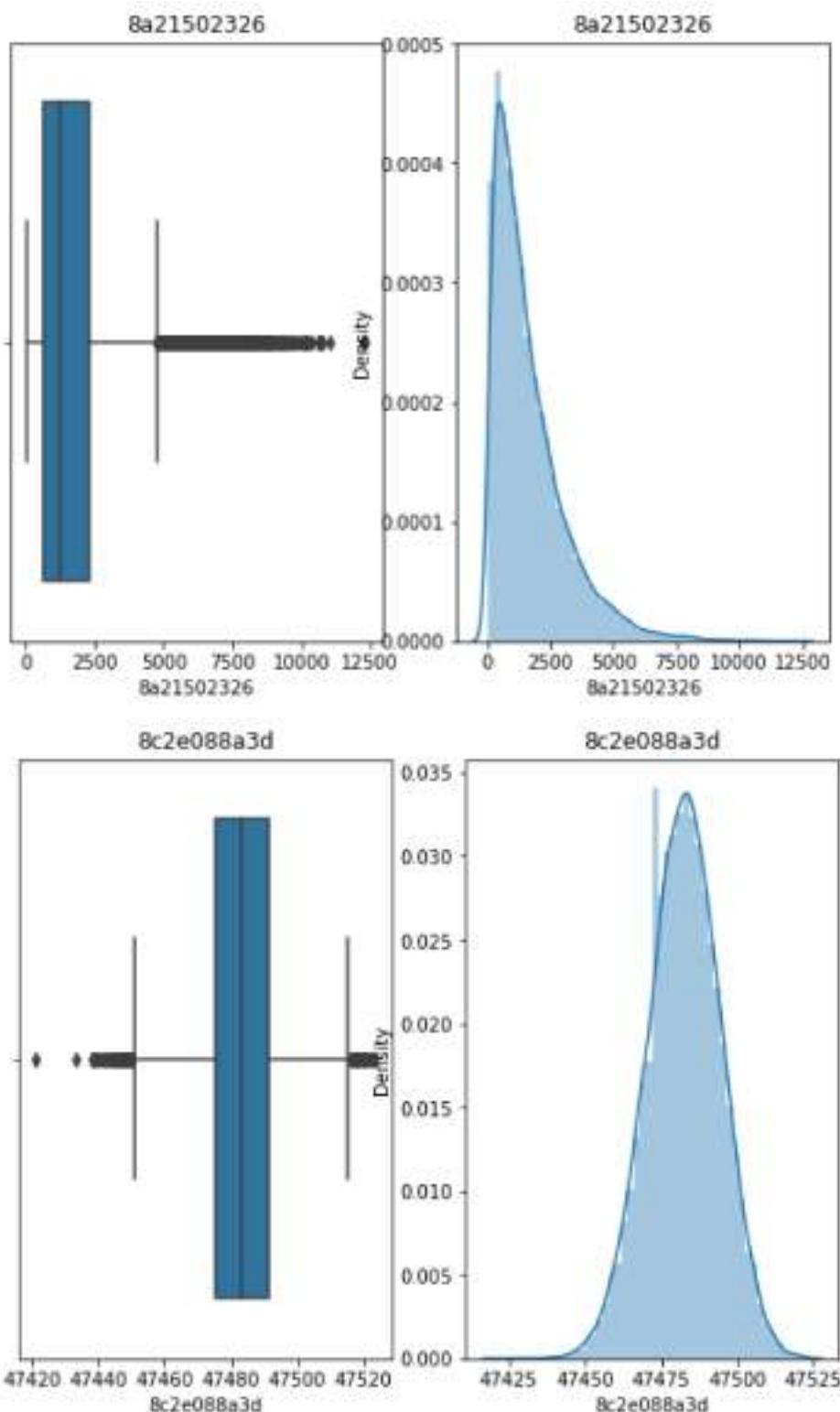


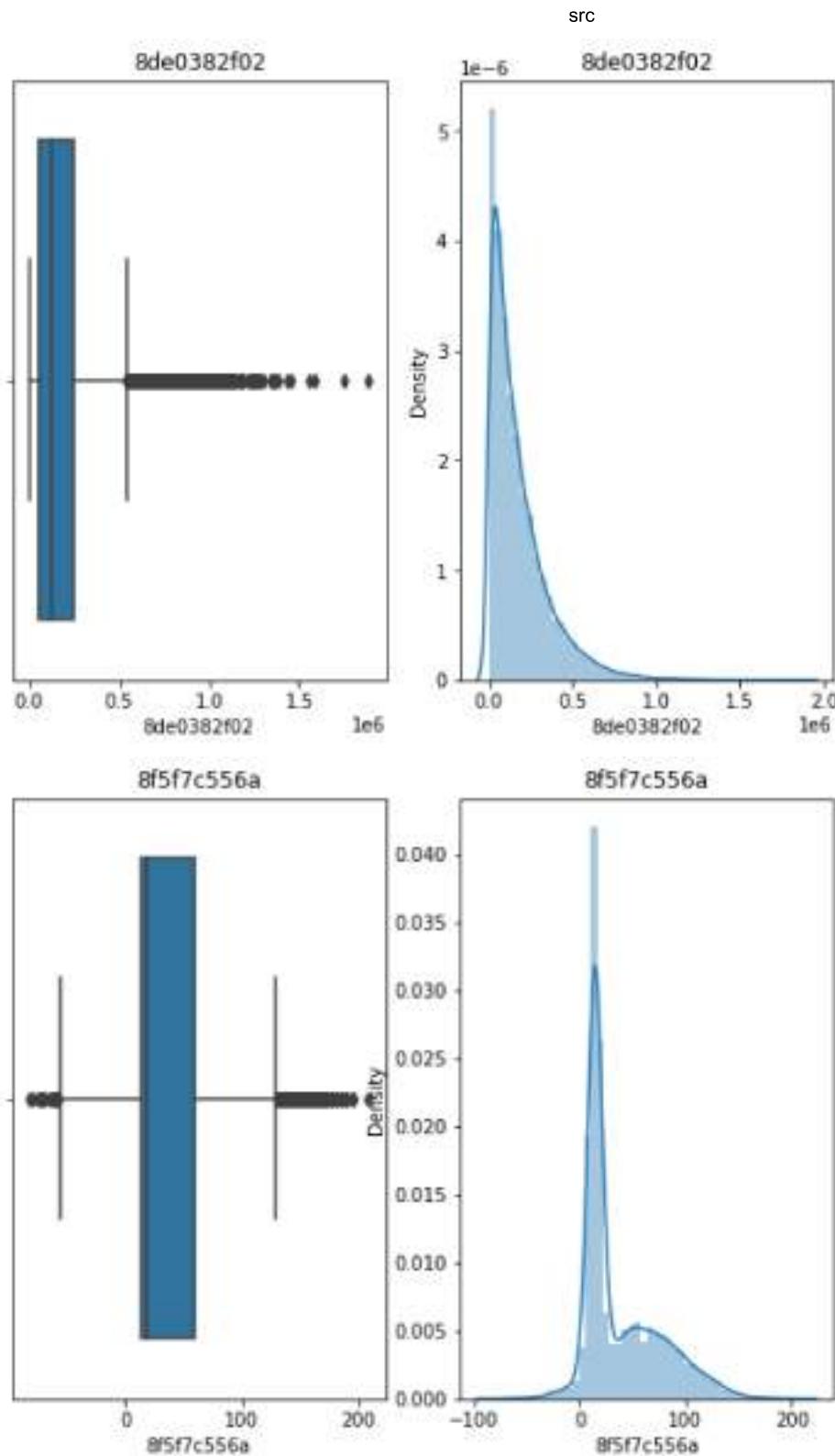


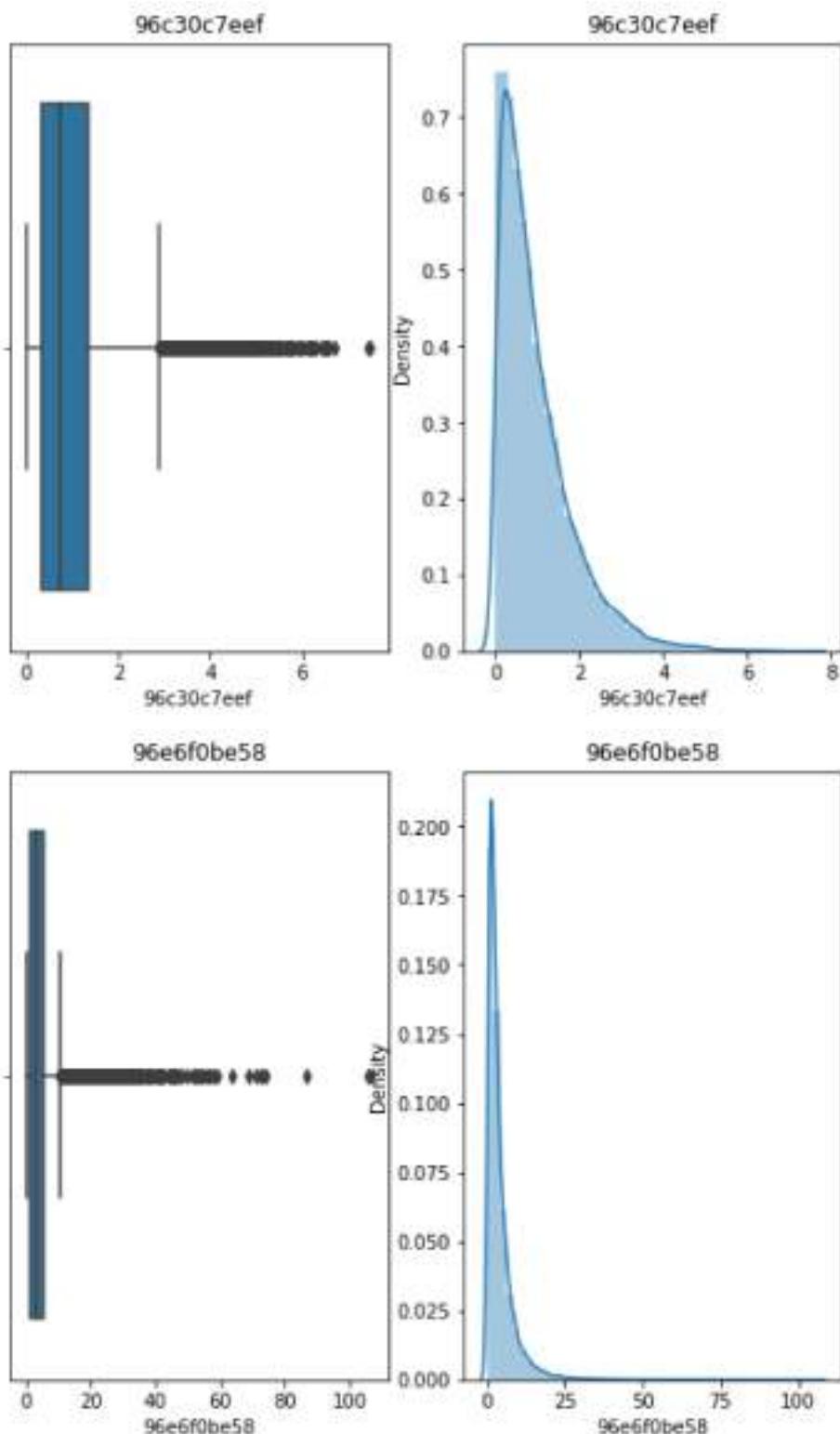


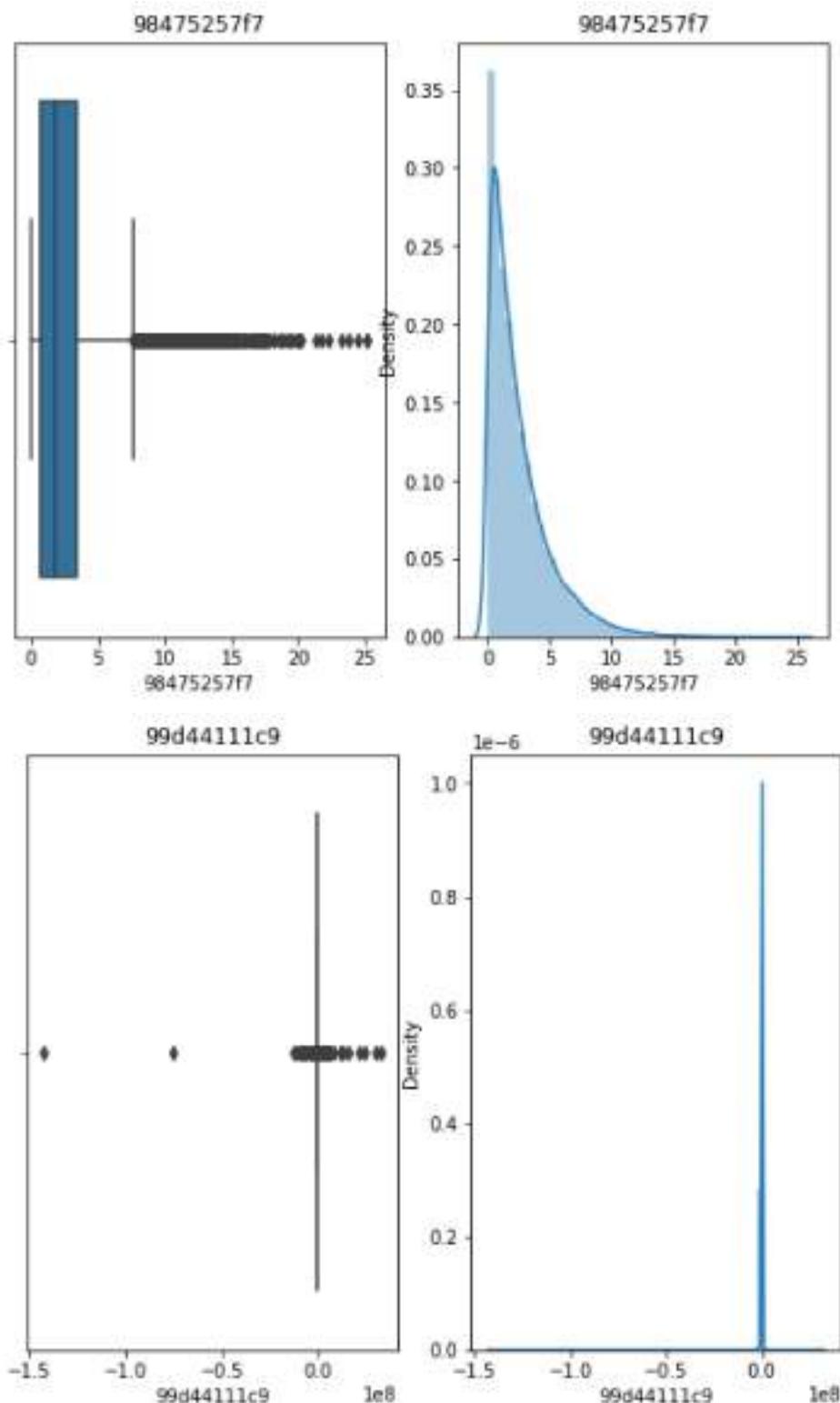


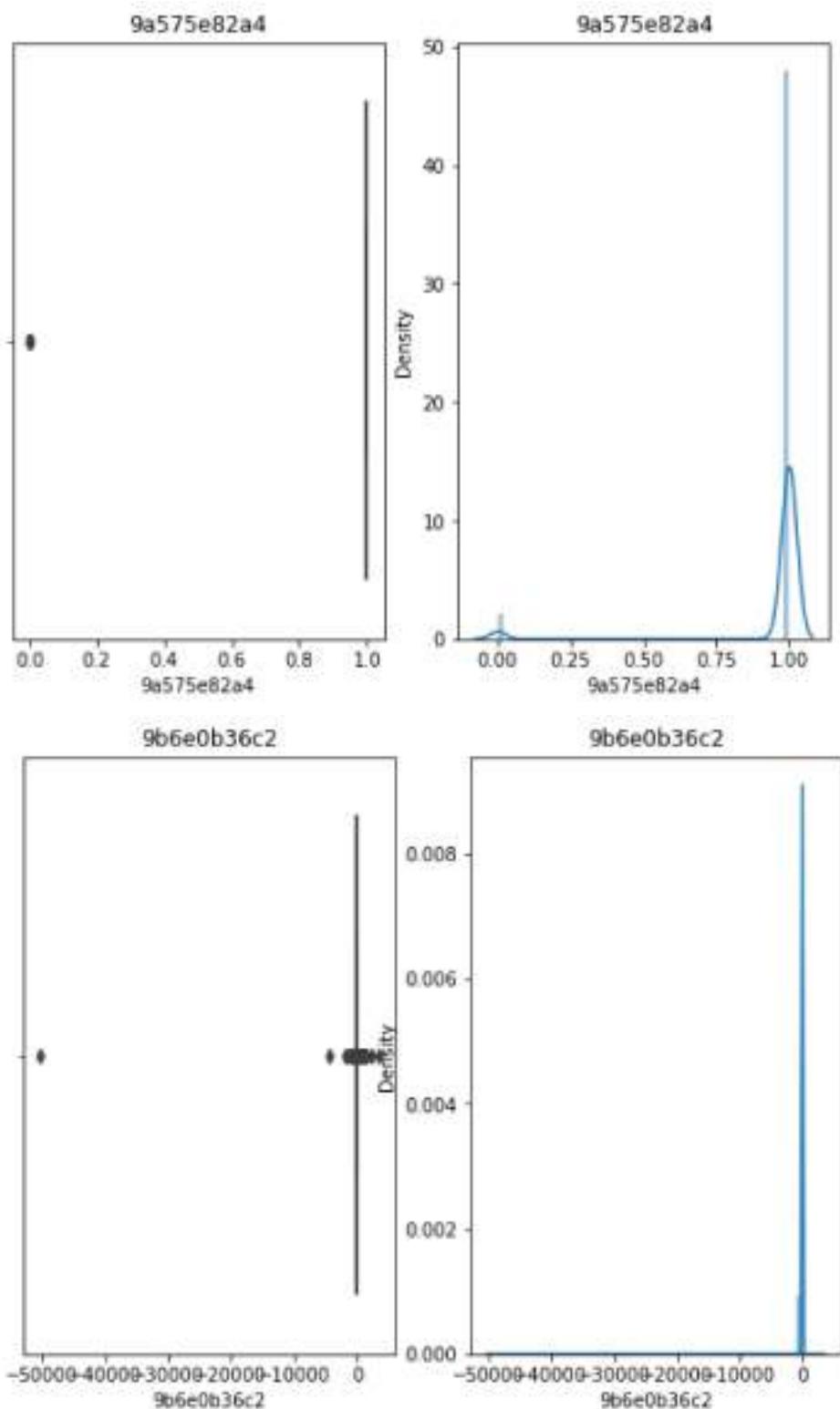


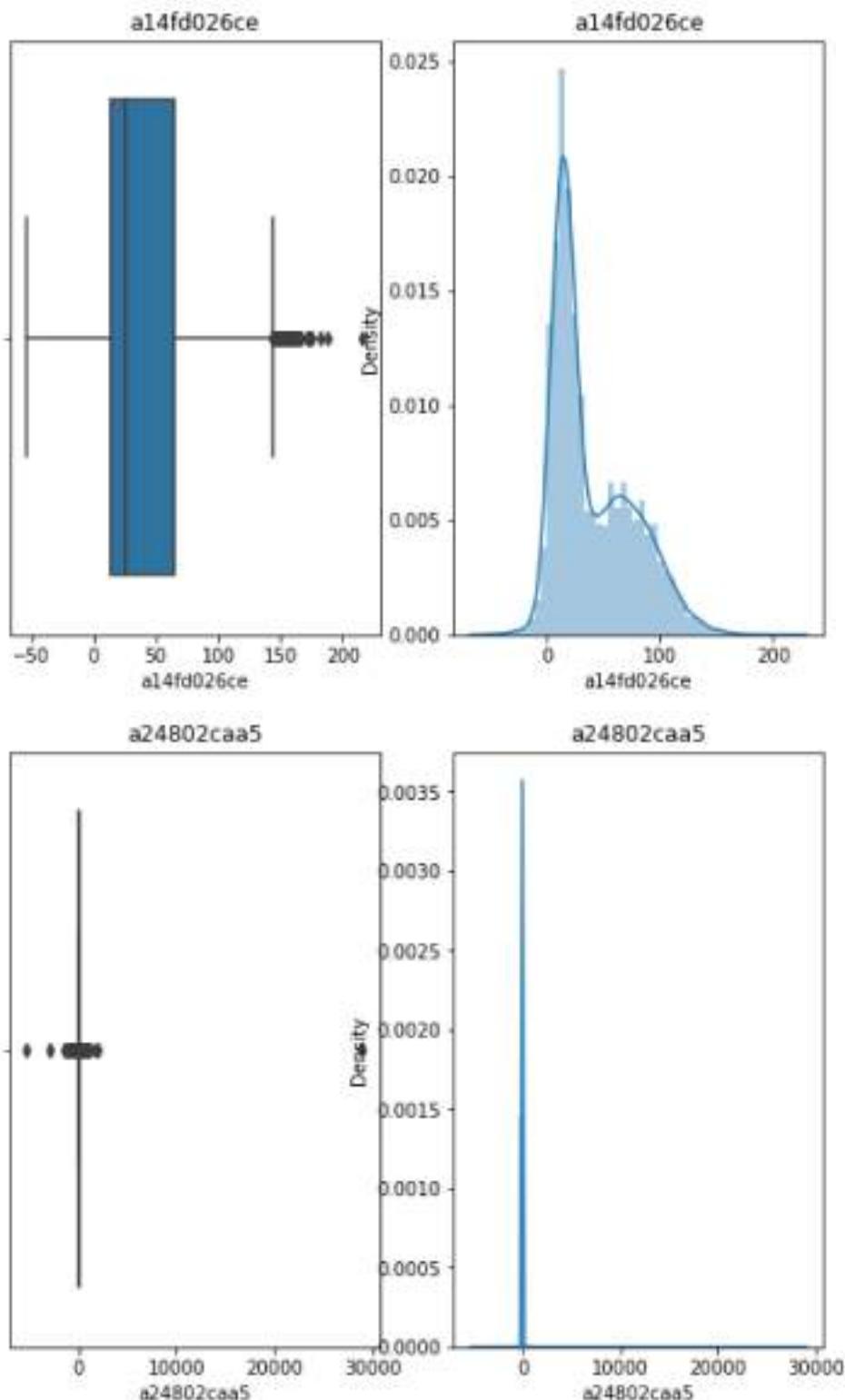


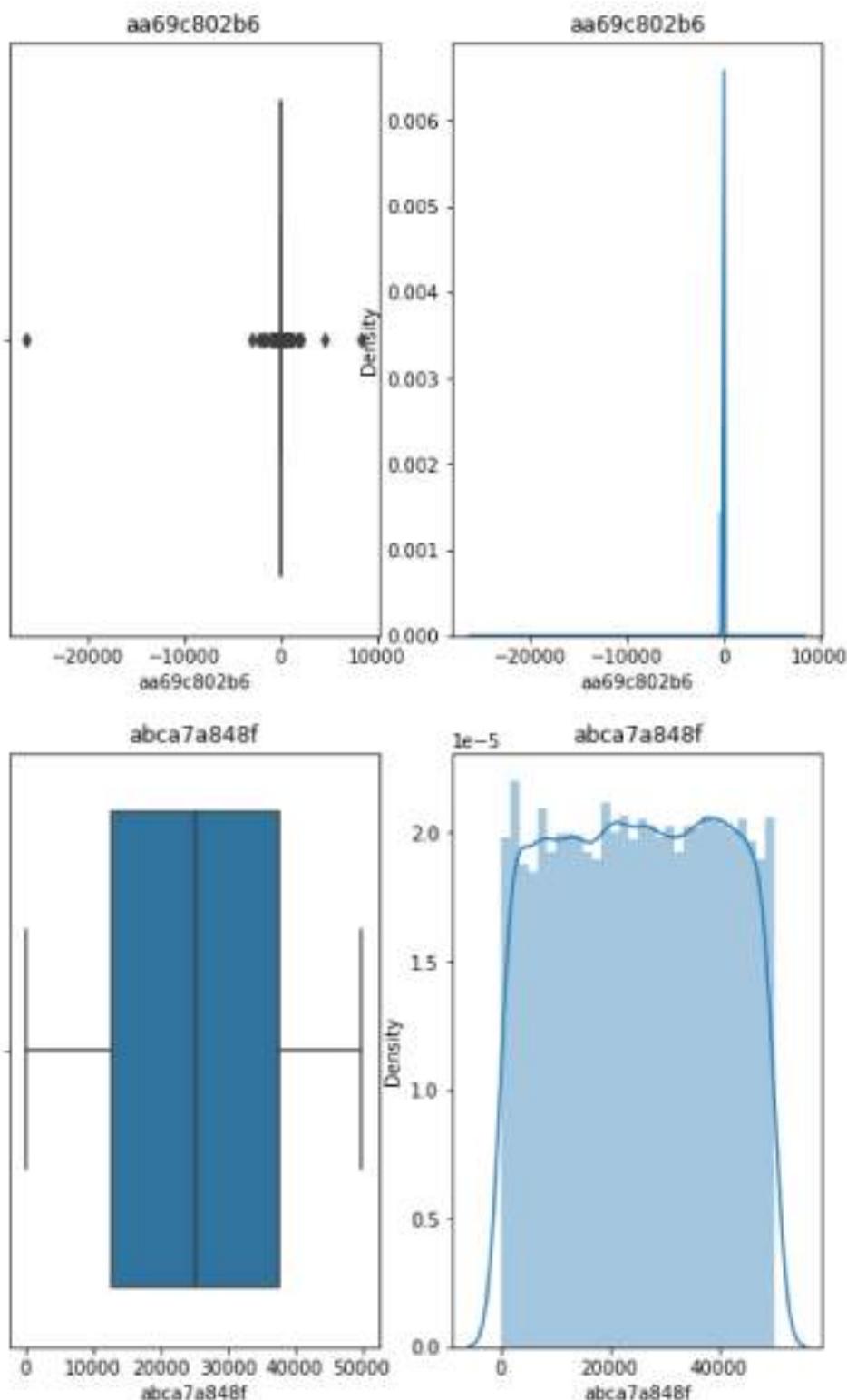


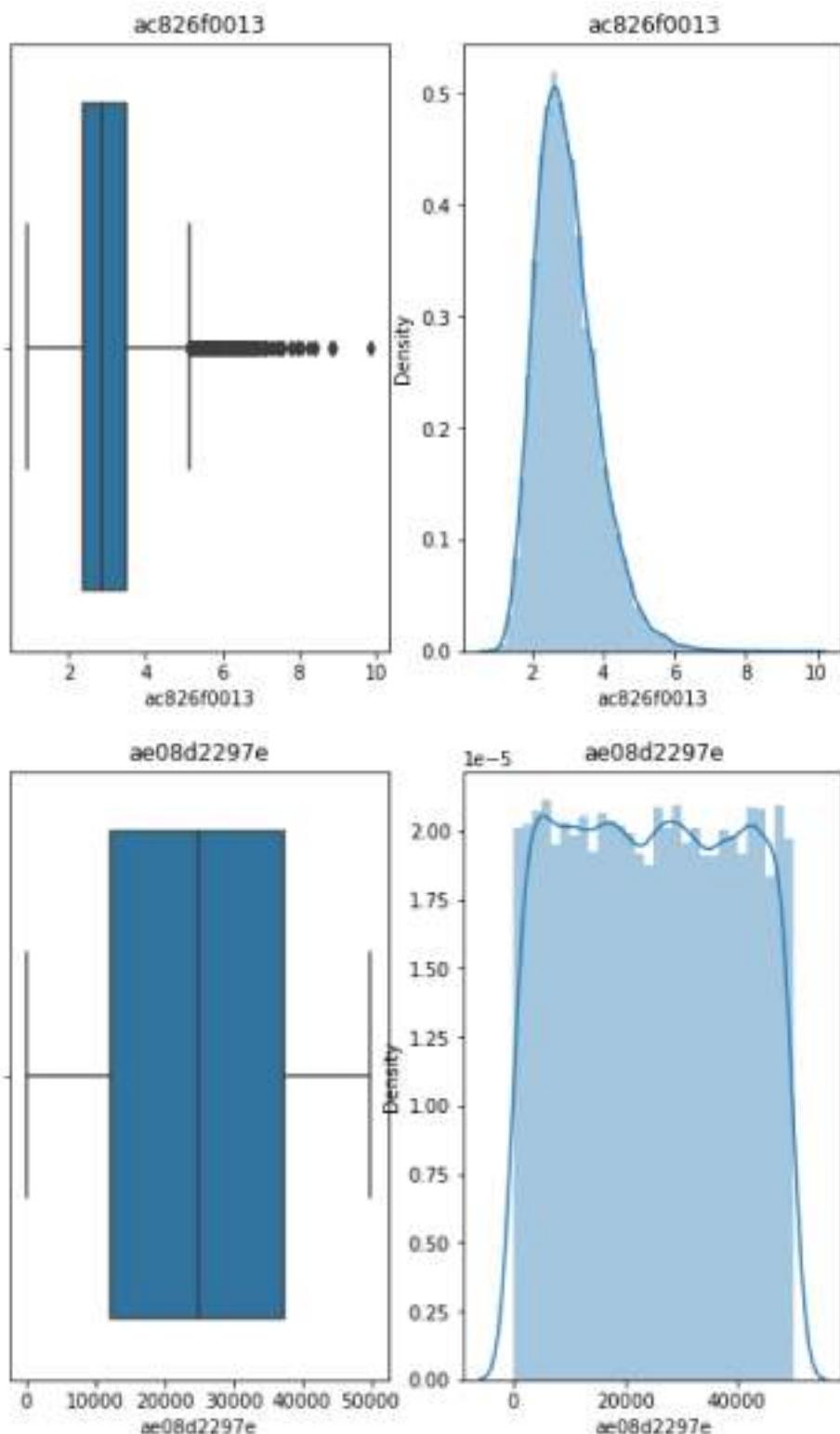


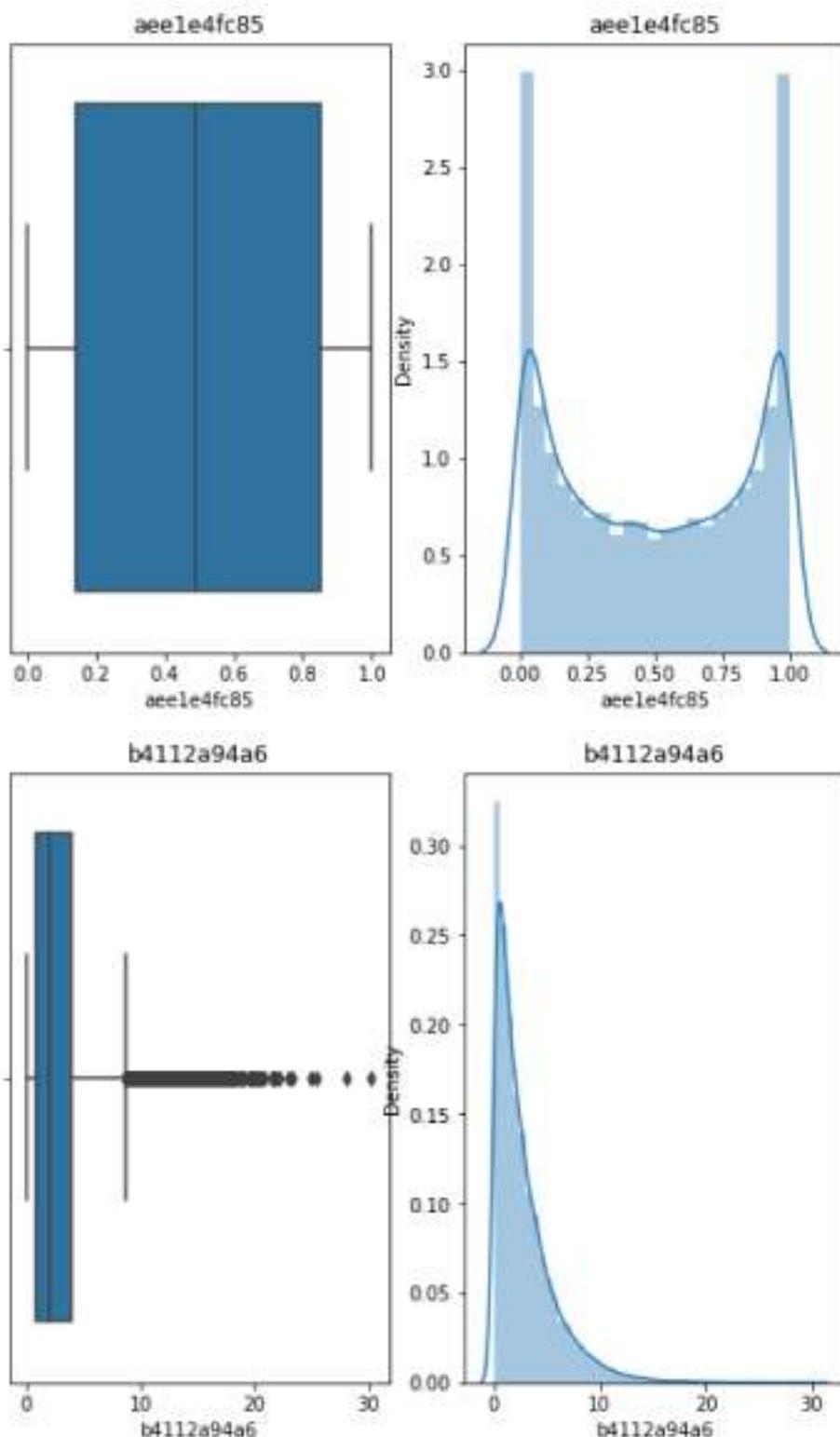


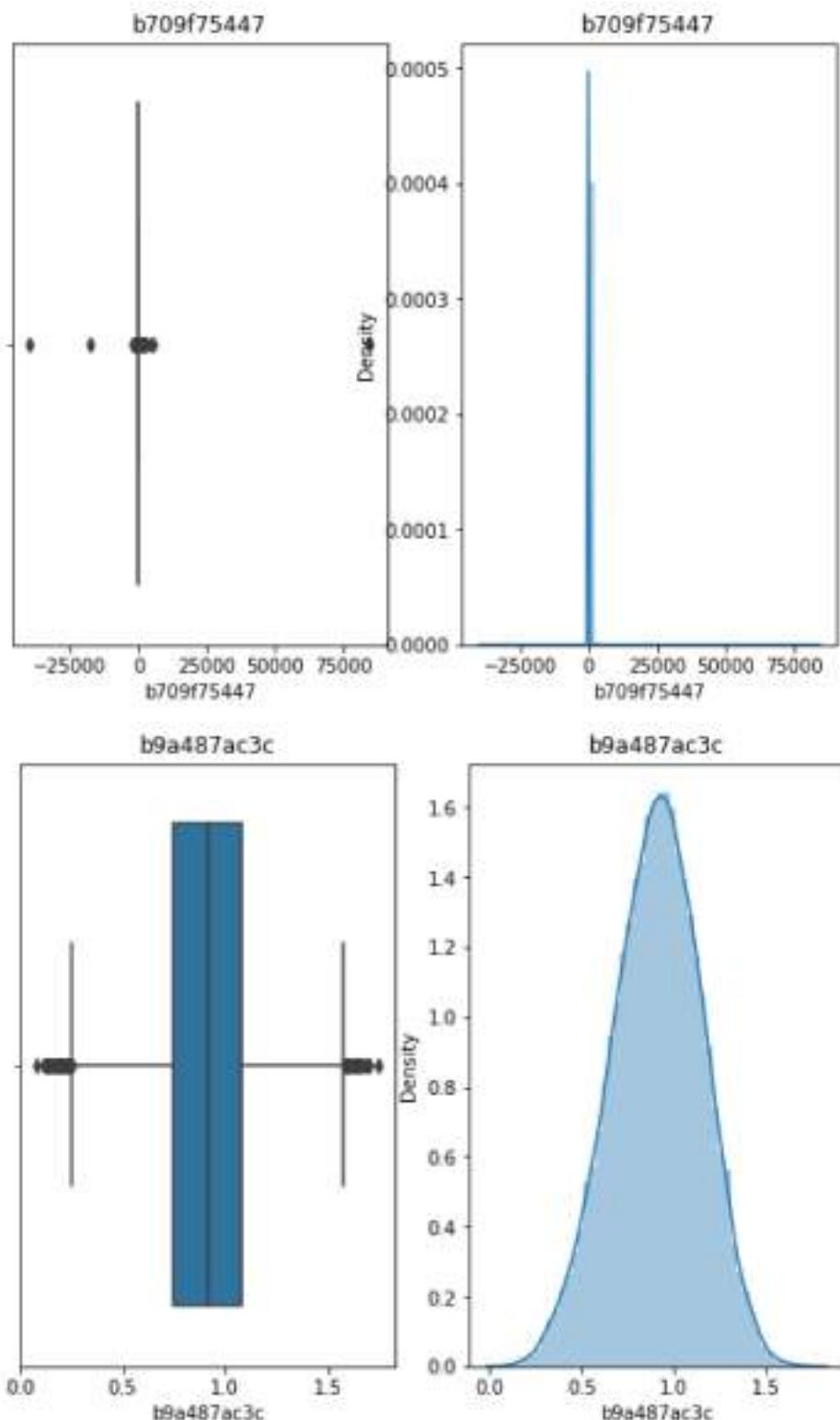


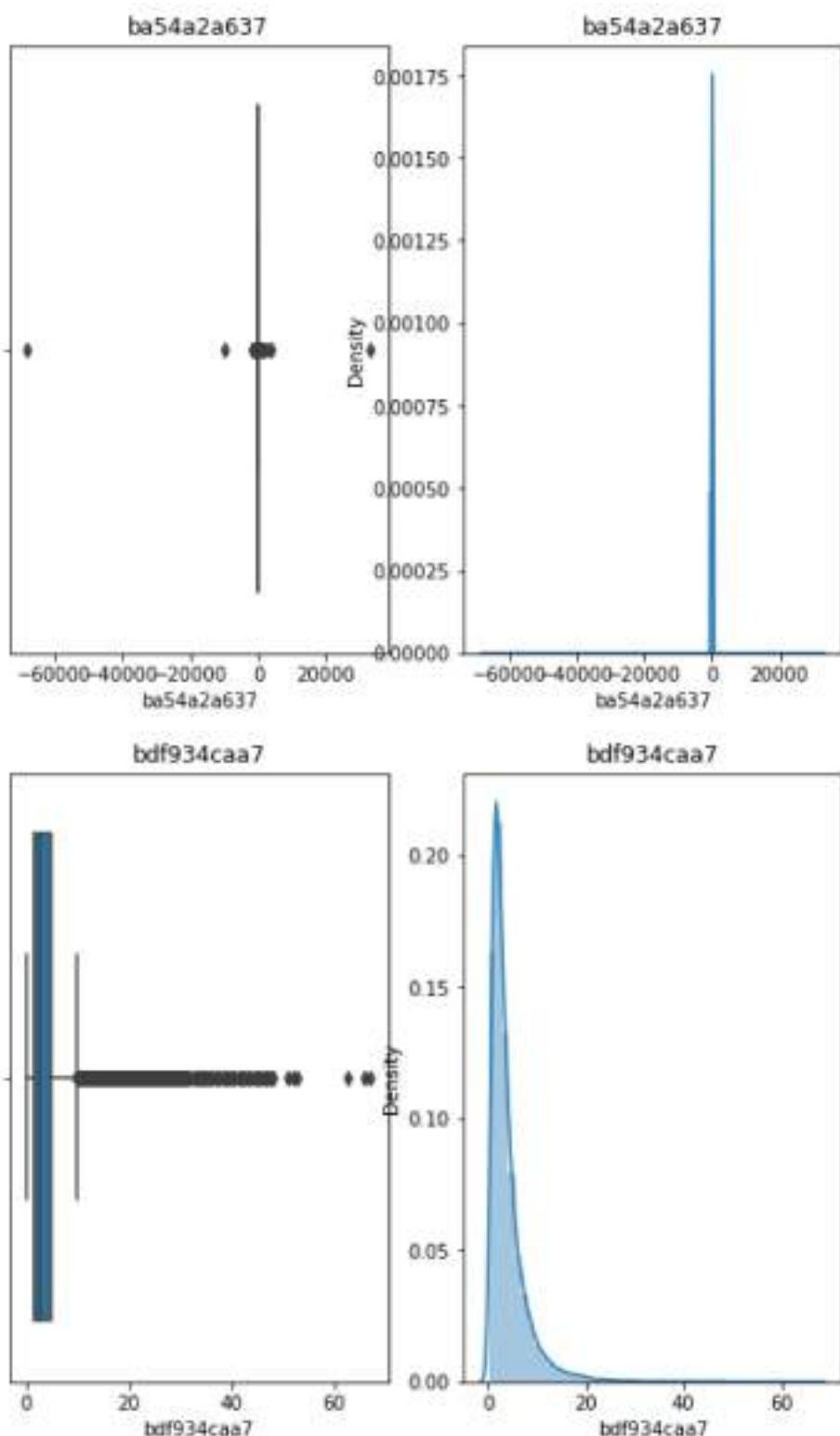


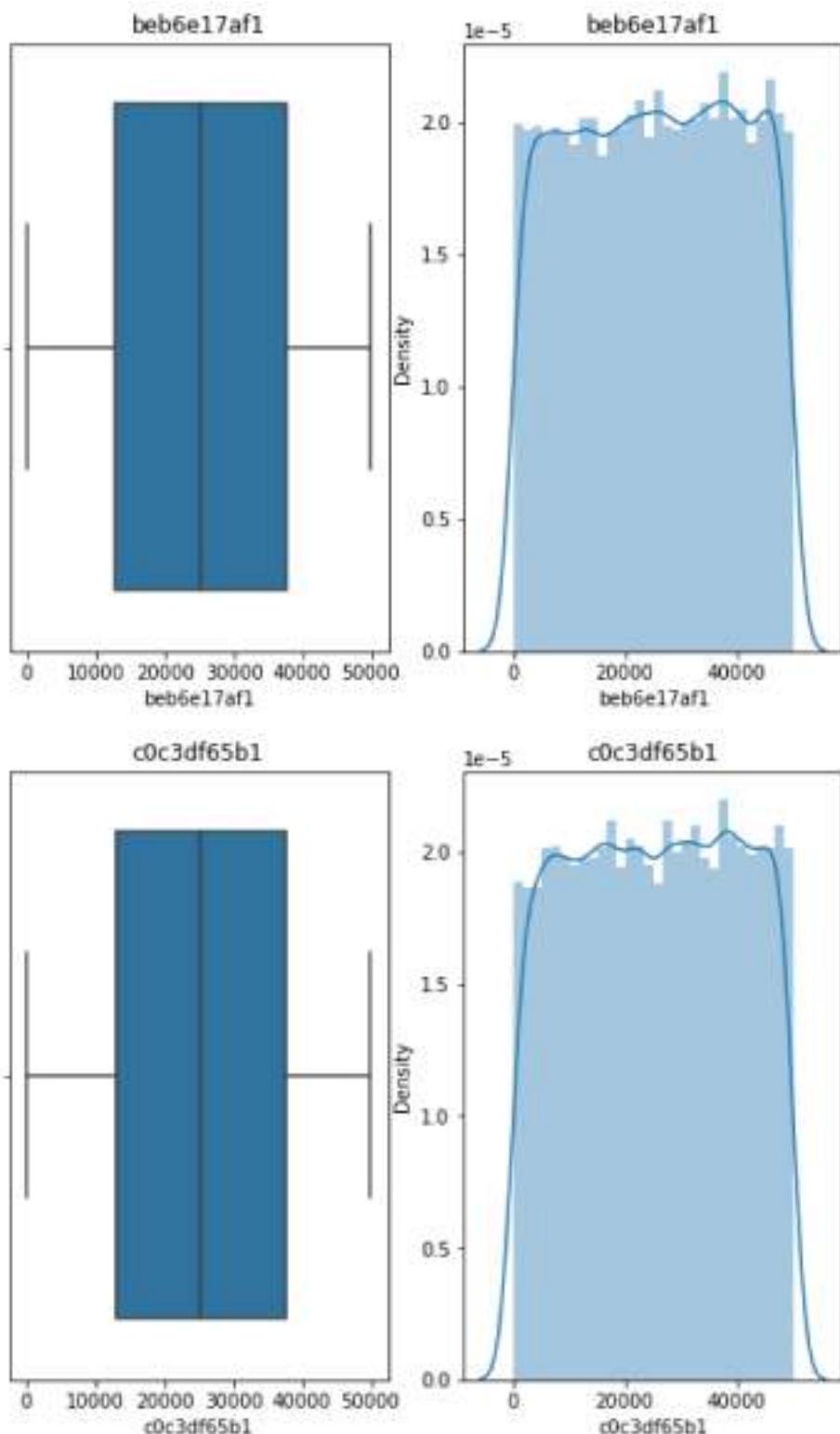


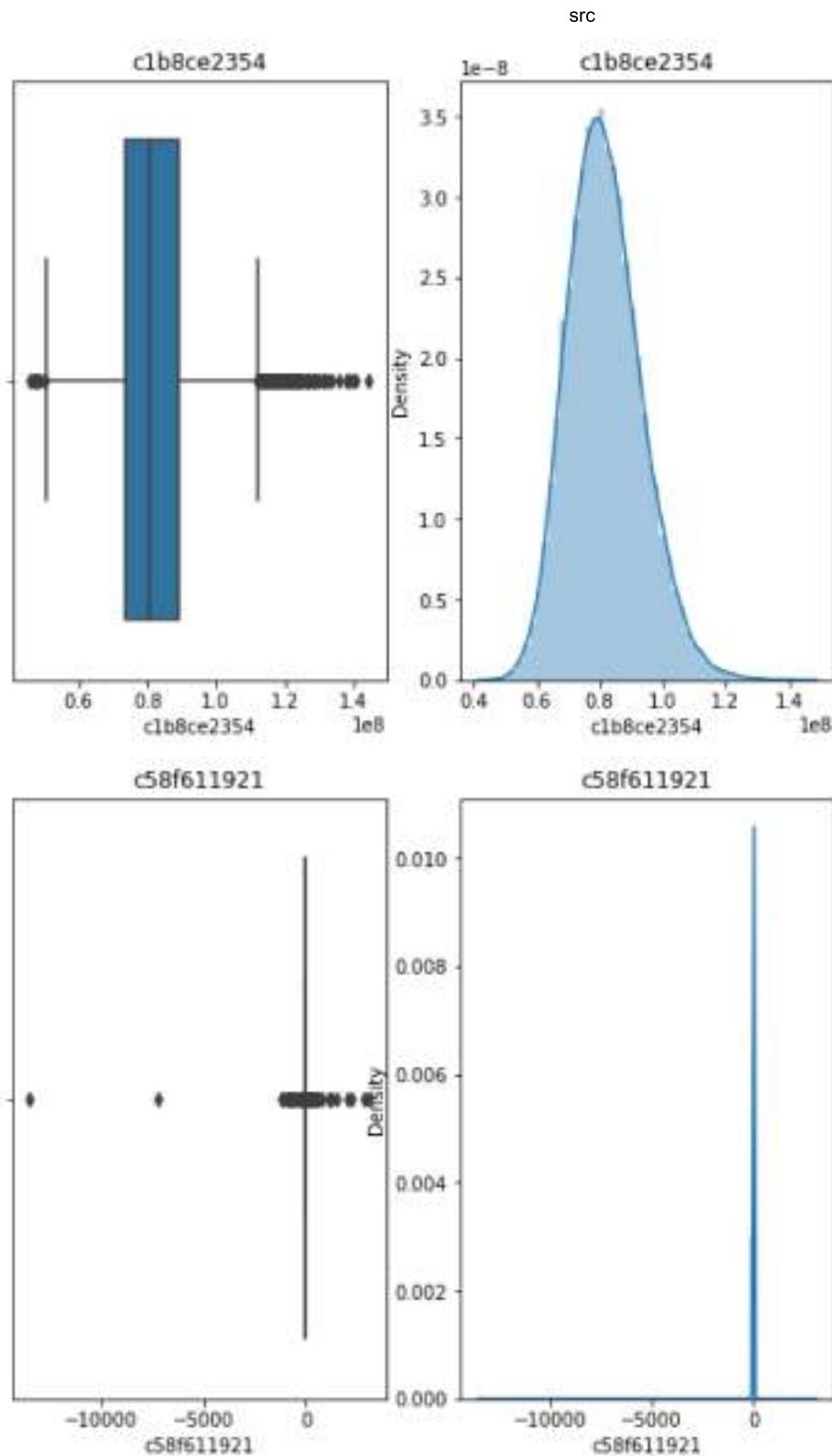


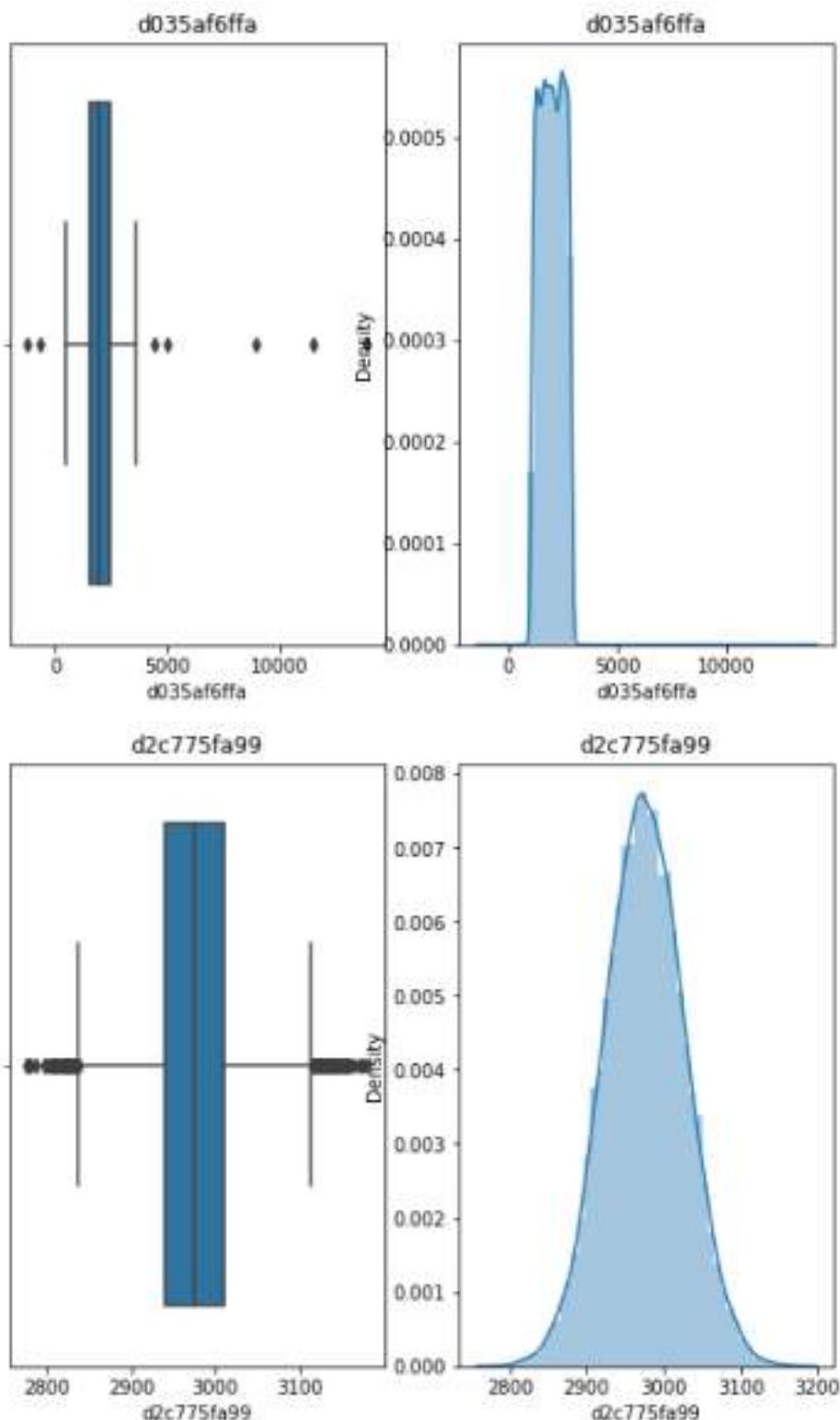


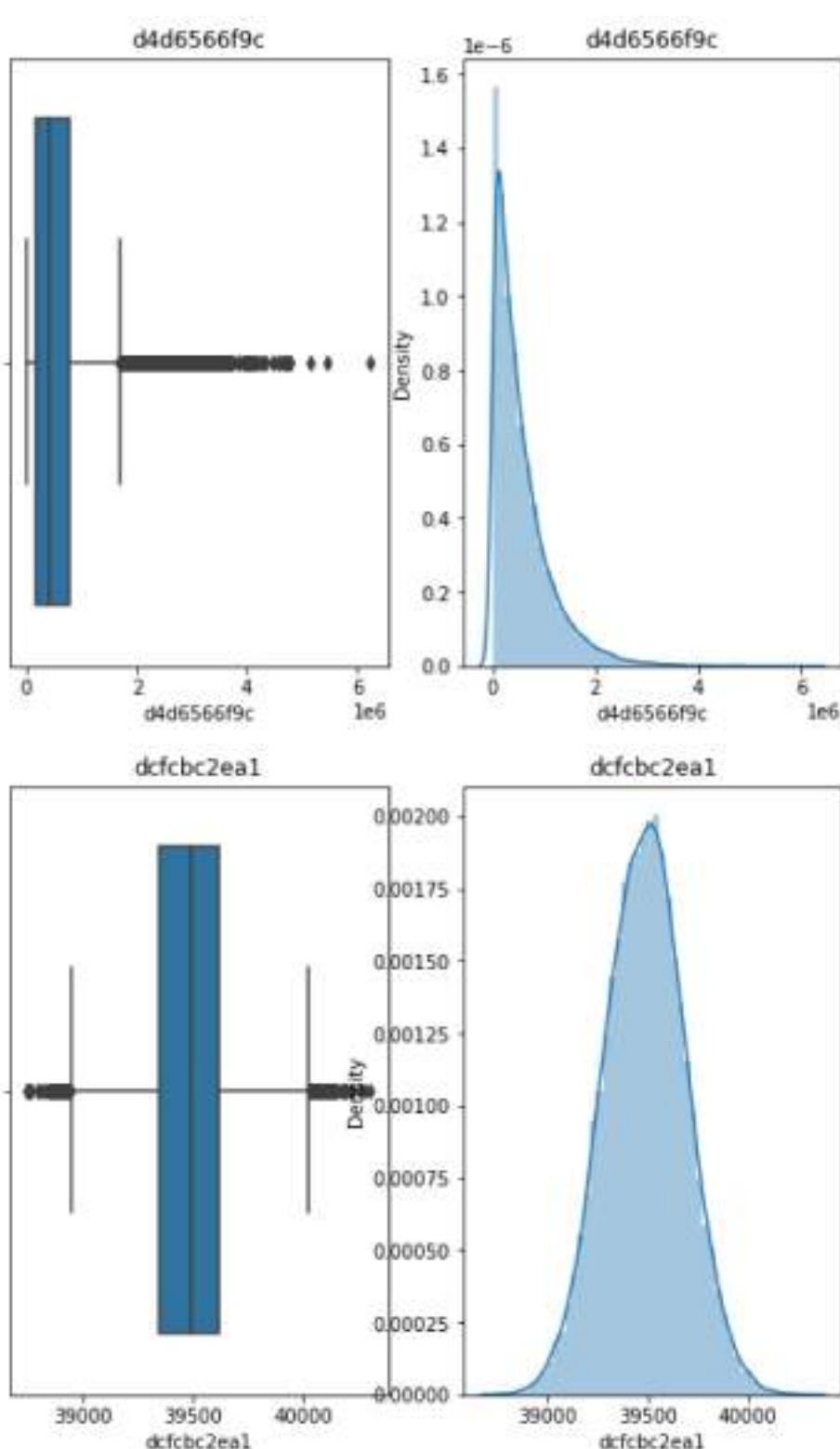


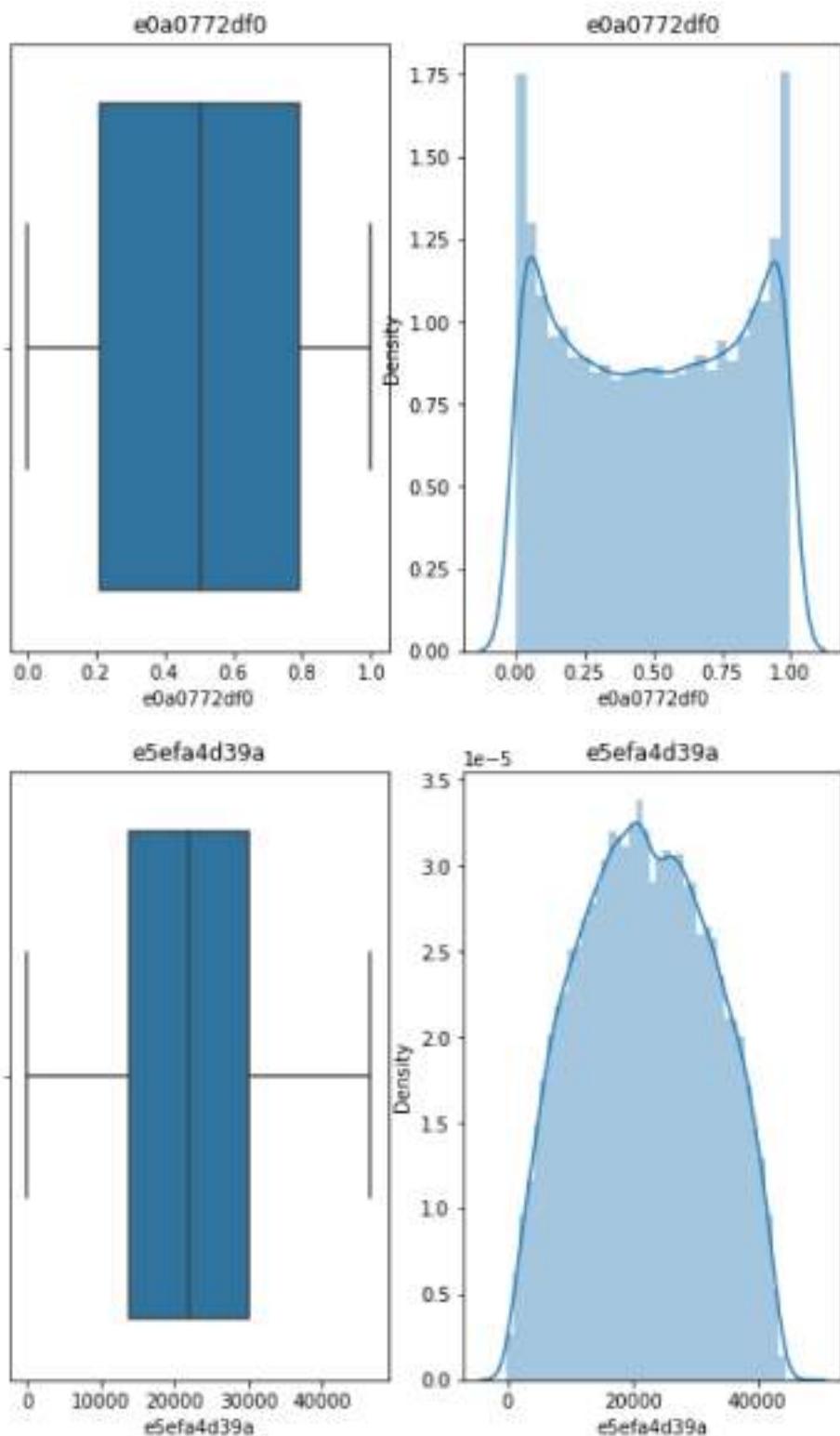


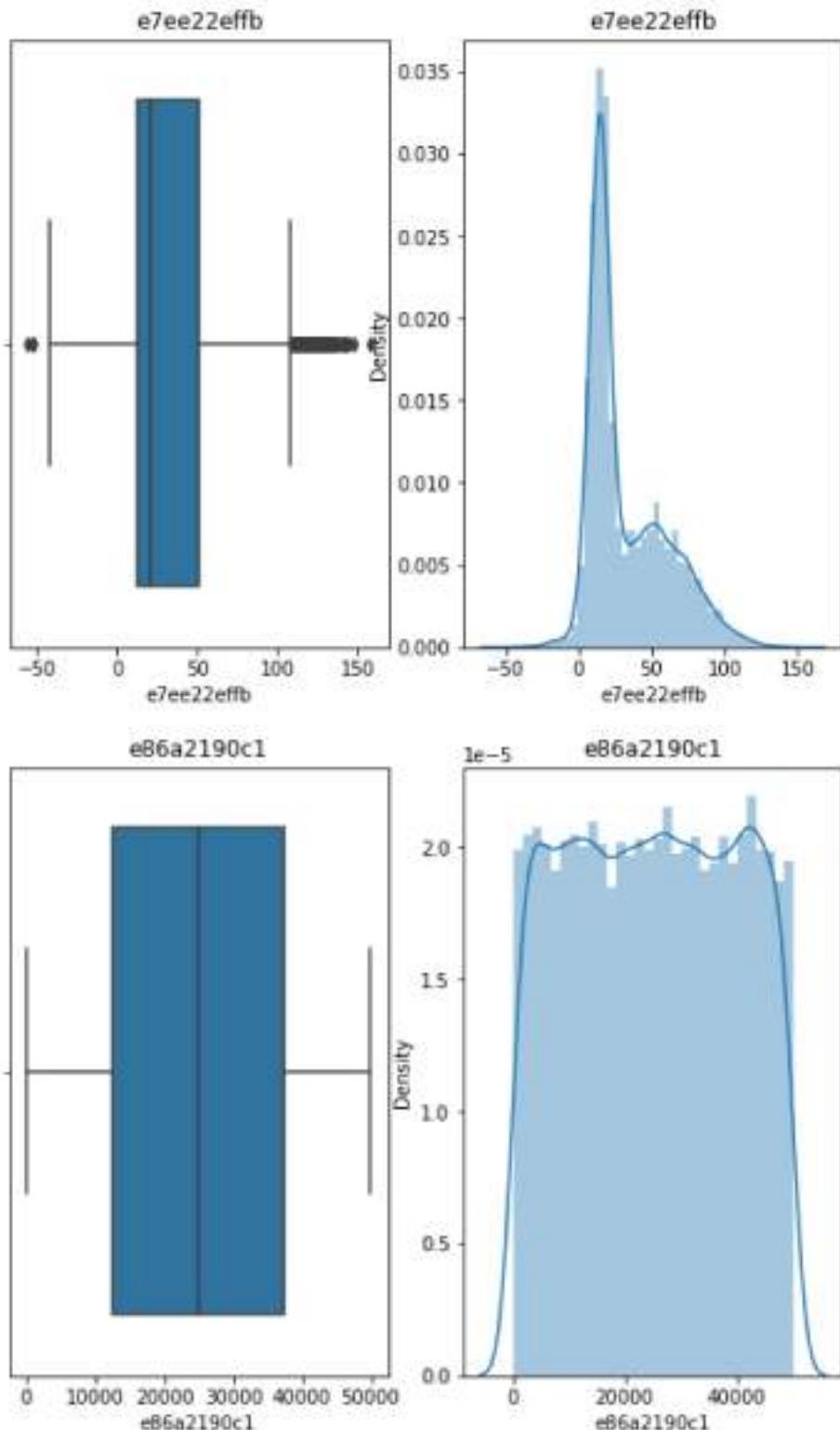


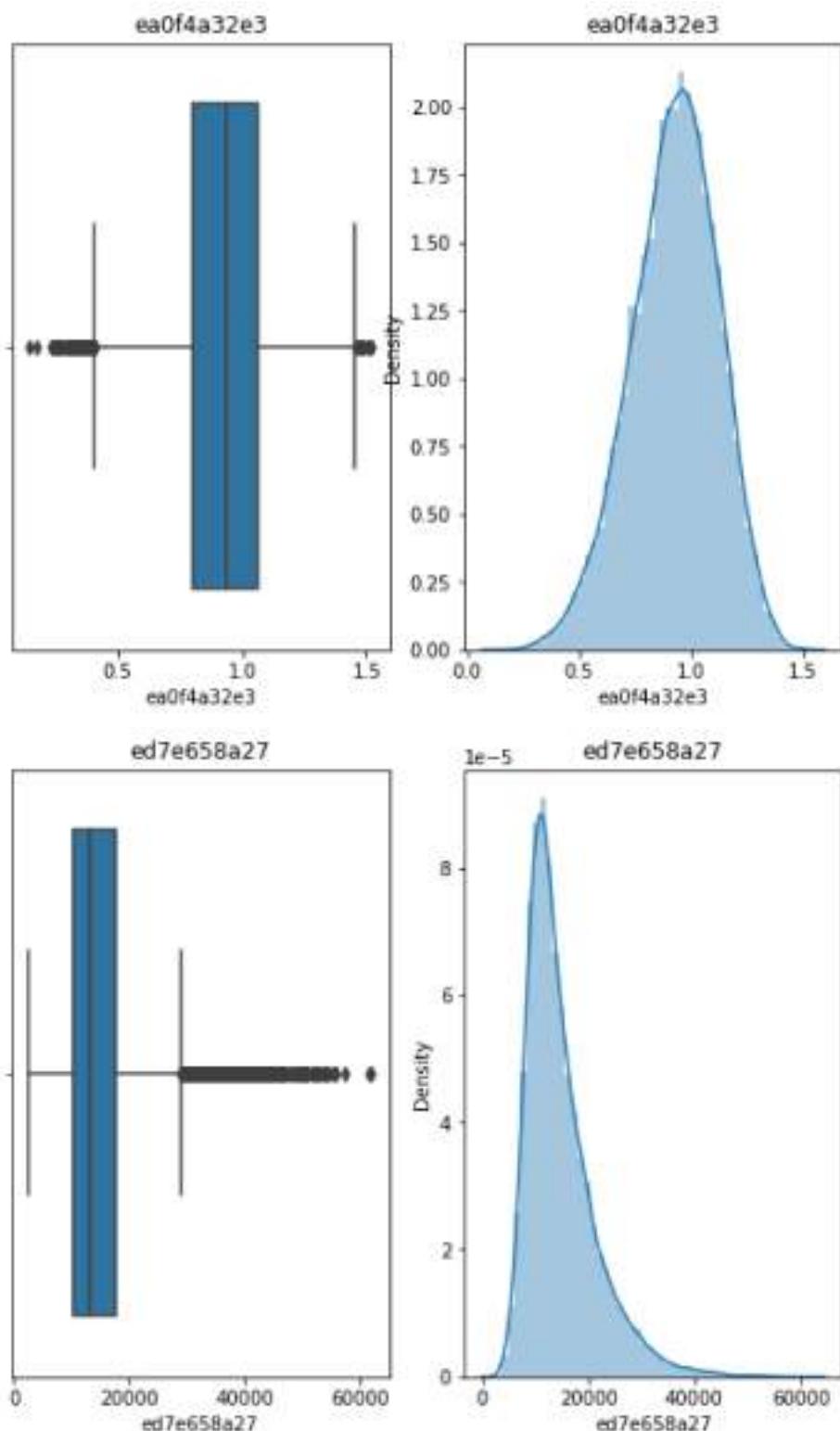


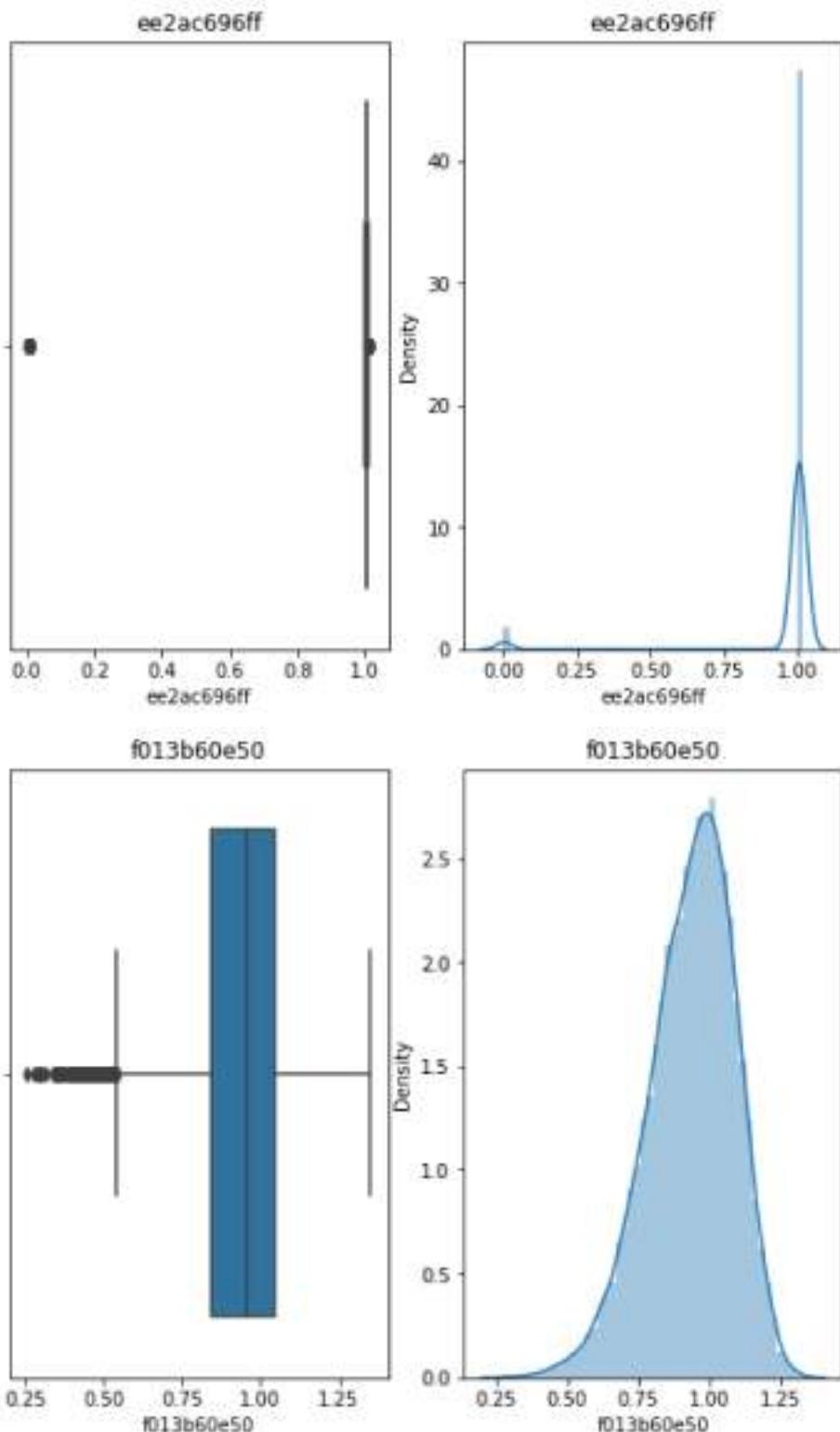


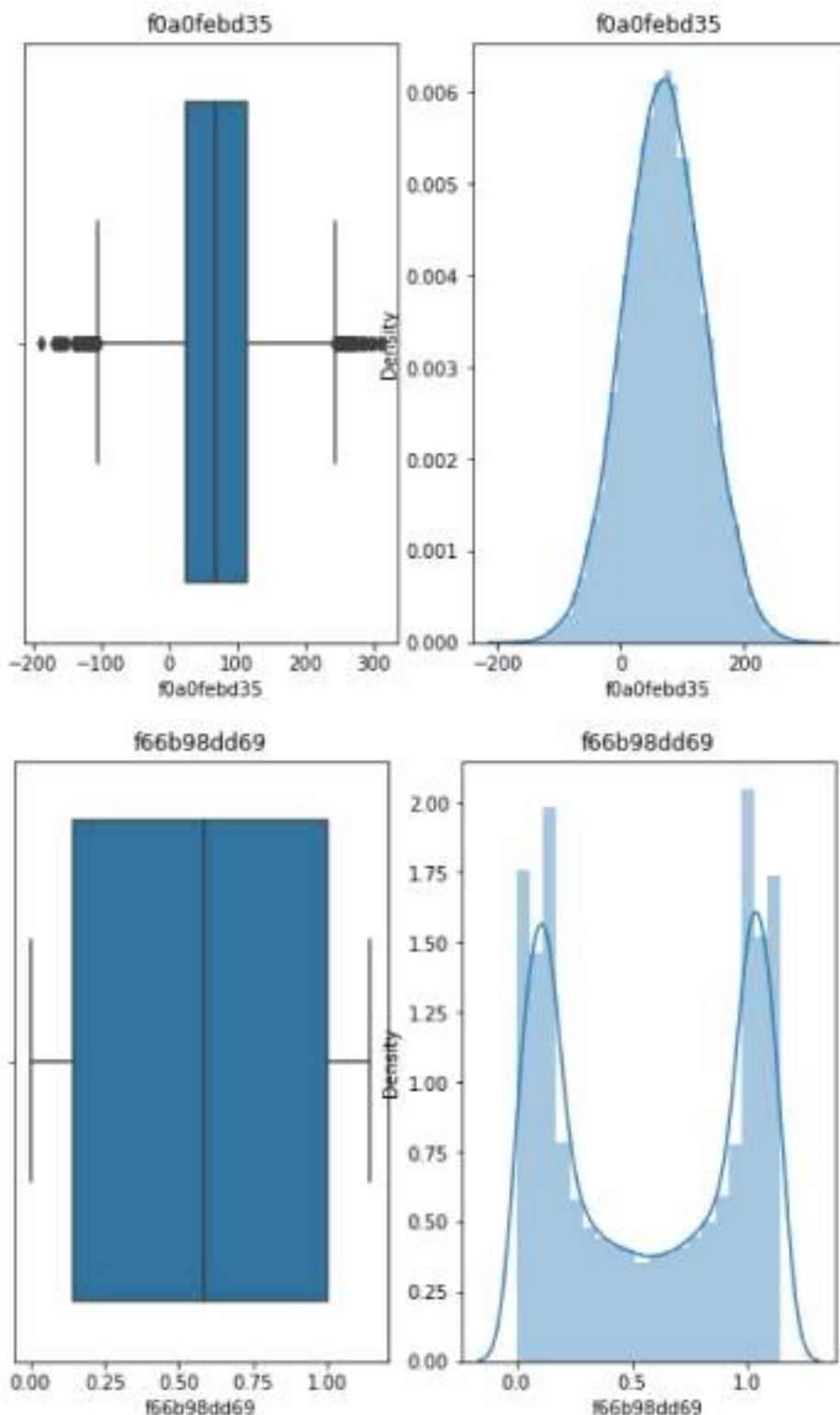


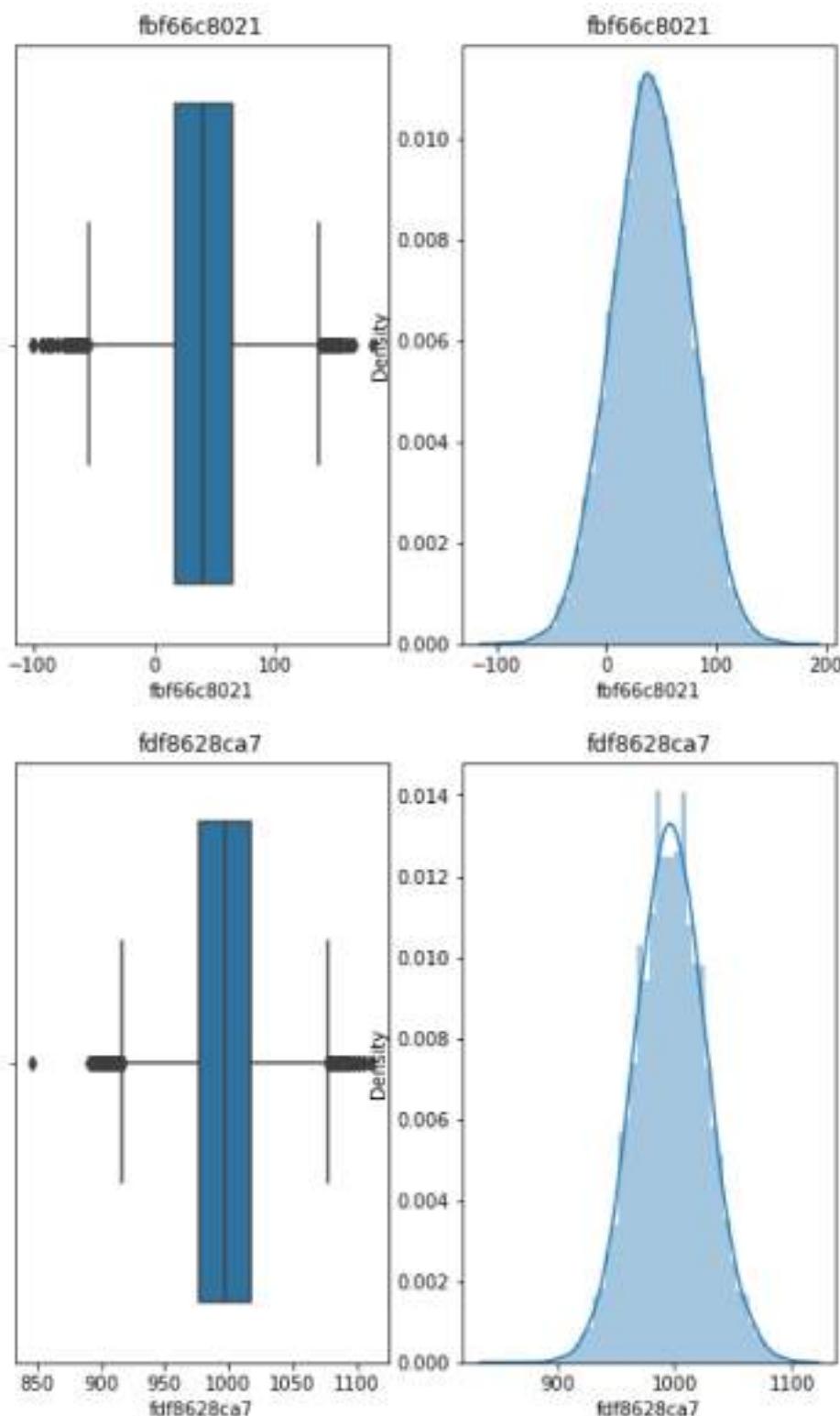


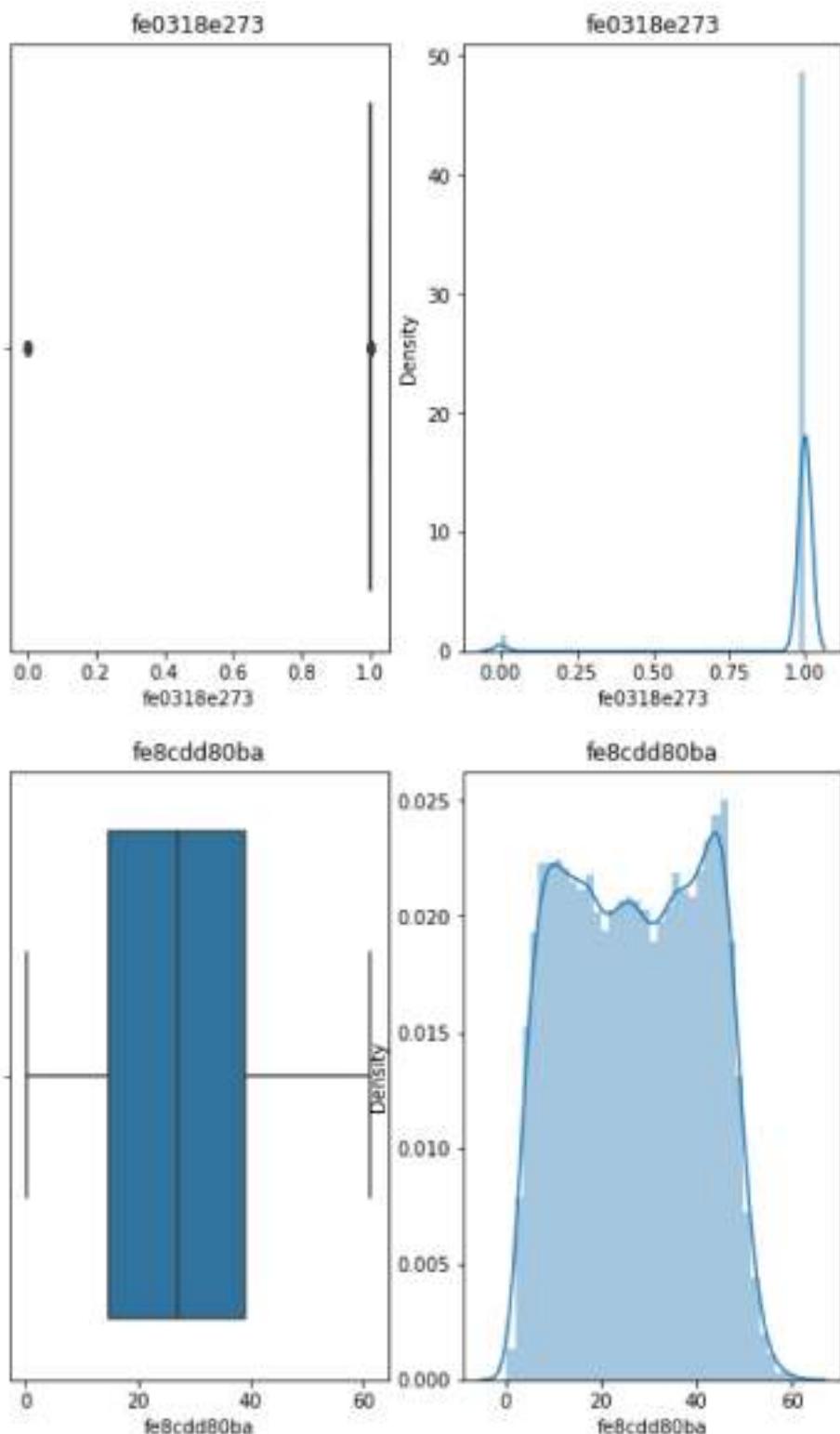


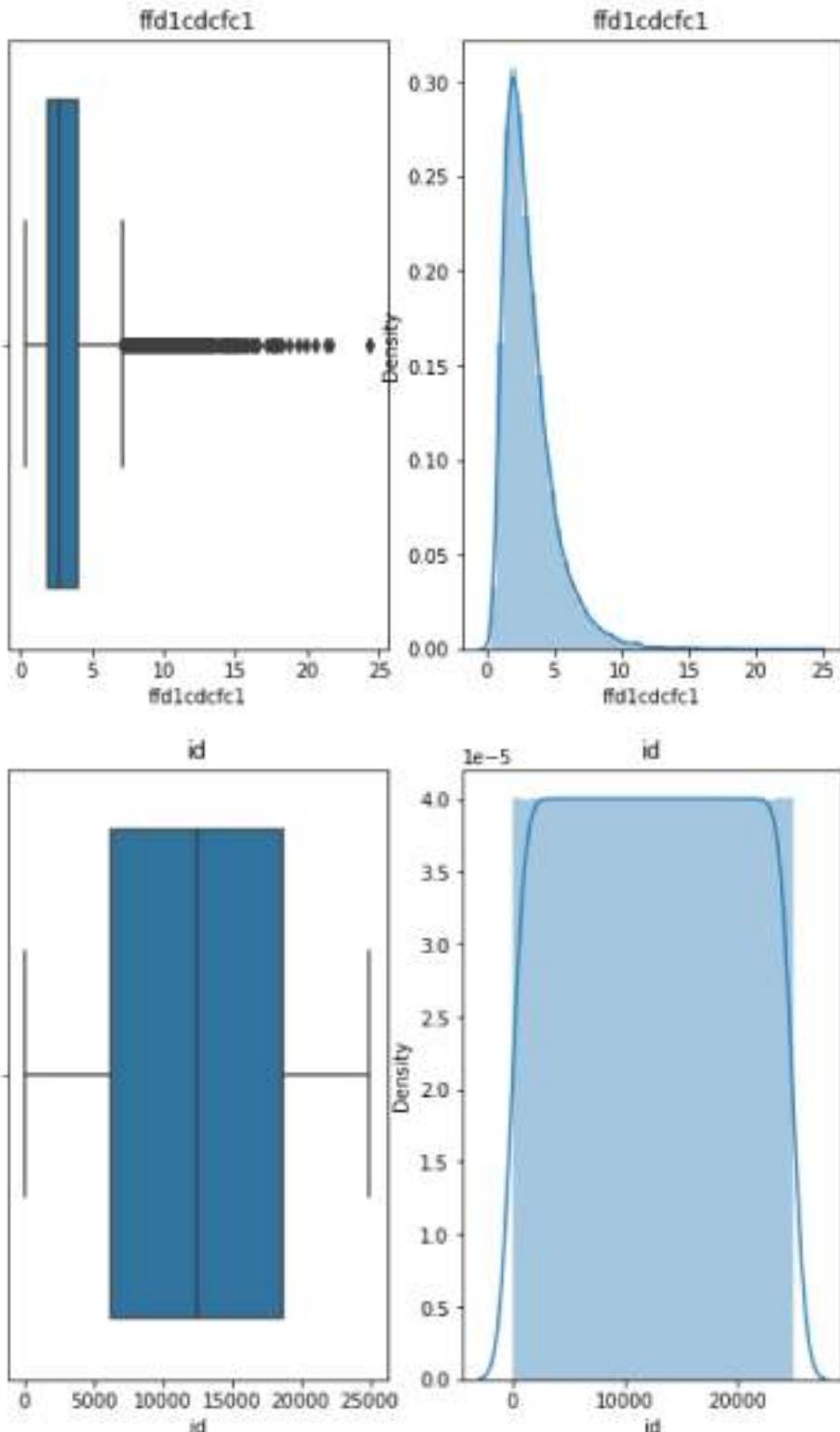












## Outliers

Como não sabemos o que há nas variáveis, não vamos arriscar remover dados por conta das variáveis Assimétricas. Então realizaremos um teste de hipótese para verificar se a variável é normal (ou próxima de uma normal) e só então removeremos os outliers. Outro ponto é não utilizar o mesmo limite do boxplot utilizaremos percentil 1 e 99 para removermos apenas os valores extremamente discrepantes (caso aja algum valor acima do limiar do boxplot)

```
In [14]: from scipy.stats import normaltest
```

```
In [15]: def remover_outliers(df):
    limites_superiores = {}
    limites_inferiores = {}

    for col in df.columns:
        q1 = df[col].quantile(.25)
        q3 = df[col].quantile(.75)

        IQR = q3 - q1

        limite_sup = q3 + 1.5 * IQR
        limite_inf = q1 - 1.5 * IQR

        limites_superiores[col] = limite_sup
        limites_inferiores[col] = limite_inf

    return limites_superiores, limites_inferiores

limite_superior, limite_inferior = remover_outliers(X)

df = pd.concat([X, y, df_cat], axis=1)
X_sem_out = df.copy()

t = []
for var in X.columns:
    if var != "target" and X[var].dtype != "O":
        if normaltest(df[var])[1] > 0.05:
            t.append(var)
            outliers = df[(df[var] > limite_superior[var]) | (df[var] < limite_inferior[var])]
            if len(outliers) > 0:
                X_sem_out = X_sem_out[(X_sem_out[var] < df[var].quantile(.99)) & \
                                      (X_sem_out[var] > df[var].quantile(.01))]
```

```
In [16]: df.shape
```

```
Out[16]: (24976, 188)
```

```
In [17]: X_sem_out.shape
```

```
Out[17]: (19938, 188)
```

```
In [18]: print("Quantidade total de variáveis com distribuição normal: %d" % len(t))
```

```
Quantidade total de variáveis com distribuição normal: 11
```

```
In [19]: # def remover_correlacionadas(df_correlacao):
#     correlacoes_fortes_positivas = {}
#     correlacoes_fortes_negativas = {}

#     colunas_filtradas = []

#     for coluna in df_correlacao.columns:
#         colunas_filtradas.append(coluna)
#         positivos = df_correlacao[df_correlacao[coluna] >= 0.6].index
#         negativos = df_correlacao[df_correlacao[coluna] <= -0.6].index

#         for correlacao in positivos:
#             if correlacao not in colunas_filtradas:
#                 correlacoes_fortes_positivas[coluna] = correlacao
```

```
#         for correlacao in negativos:
#             if correlacao not in colunas_filtradas:
#                 correlacoes_fortes_negativas[coluna] = correlacao

#     return correlacoes_fortes_positivas
```

In [20]: # Essas variáveis se correlacionam positivamente. iremos removelas  
`# correlacoes_fortes_positivas = remover_correlacionadas(df_correlacao)`

In [21]: `# X.drop(correlacoes_fortes_positivas.values(), axis=1, inplace=True)`

## Feature selection automático

---

In [22]: `from sklearn.preprocessing import LabelEncoder`

In [23]: # Antes de realizar o feature selection transformarei as variaveis categóricas para  
`def transformar_categoricas(df):`  
 `...`  
 `Recebe um dataframe de variáveis categoricas e devolve um dataframe com essas \`  
 `...`  
 `le = LabelEncoder()`  
 `df = df.copy()`  
 `for var in df.columns:`  
 `df[var] = le.fit_transform(df[var])`  
 `return df`  
`categoricas = X_sem_out.select_dtypes(include="object")`  
`cat_transformadas = transformar_categoricas(categoricas)`

In [24]: # Trocando as categóricas pelas categóricas transformadas  
`X_sem_out.drop(categoricas.columns, axis=1, inplace=True)`  
`df = pd.concat([X_sem_out, cat_transformadas], axis=1)`

In [25]: `df.drop("id", axis=1, inplace=True)`

In [26]: `for var in cat_transformadas.columns:`  
 `df[var] = df[var].astype("category")`

## Visualizando tipo de seletores

---

In [27]: `from sklearn.feature_selection import SelectKBest, mutual_info_regression, f_regression`

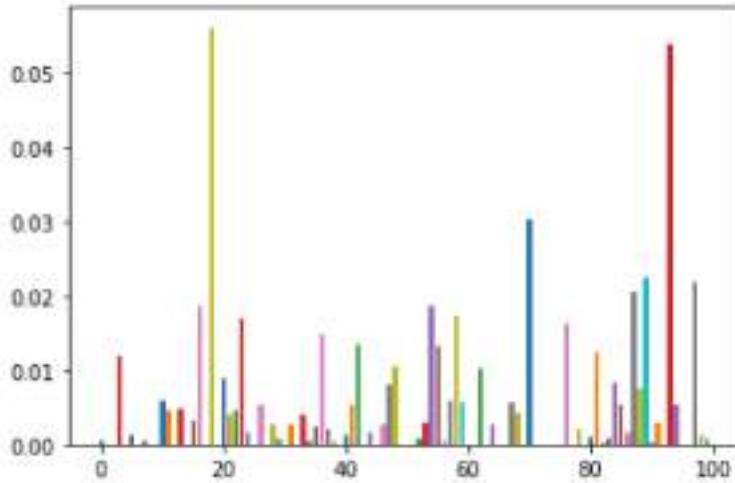
In [28]: `from sklearn.preprocessing import OrdinalEncoder`

In [29]: `oe = OrdinalEncoder()`  
`for coluna in X.columns:`  
 `porcent = X[coluna].nunique() / len(X)`  
 `if porcent >= .9:`  
 `categorias = pd.cut(X[coluna], bins=40, precision=0)`  
 `categorias = categorias.values.reshape(-1, 1)`  
 `X[coluna] = oe.fit_transform(categorias)`

```
In [30]: selector = SelectKBest(score_func=mutual_info_regression, k="all")
selector.fit(X, y)
```

```
Out[30]: SelectKBest(k='all',
                      score_func=<function mutual_info_regression at 0x0000002078173C310>)
```

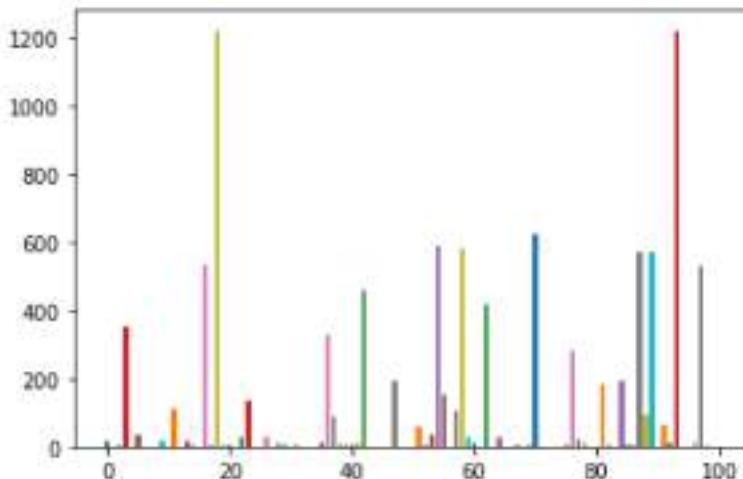
```
In [31]: scores = selector.scores_
for i in range(len(scores)):
    plt.bar(x=i, height=scores[i])
```



```
In [32]: selector2 = SelectKBest(score_func=f_regression, k="all")
selector2.fit(X, y)
```

```
Out[32]: SelectKBest(k='all', score_func=<function f_regression at 0x00000020799AC1DC0>)
```

```
In [33]: scores2 = selector2.scores_
for i in range(len(scores2)):
    plt.bar(x=i, height=scores2[i])
```



Optamos por utilizar o segundo seletor

## Definindo modelo - regressão linear

```
In [34]: X_v2 = pd.DataFrame(X)
```

```
In [35]: from sklearn.preprocessing import StandardScaler
from sklearn.pipeline import Pipeline
from sklearn.linear_model import LinearRegression
from sklearn.model_selection import train_test_split

In [36]: X_train, X_test, y_train, y_test = train_test_split(X_v2, y, test_size=0.2, random_
           state=32)

In [37]: modelo = LinearRegression()

modelo.fit(X_train, y_train)
preds_treino = modelo.predict(X_train)
preds_teste = modelo.predict(X_test)

In [38]: from sklearn.metrics import r2_score

print("R² treino: %f" % r2_score(y_train, preds_treino))
print("R² teste: %f" % r2_score(y_test, preds_teste))

R² treino: 0.266512
R² teste: 0.254846
```

In [ ]:

In [ ]:

**Após esse resultado bem ruim, iremos utilizar um modelo não linear**

```
In [39]: from sklearn.ensemble import RandomForestRegressor
from sklearn.model_selection import KFold, RandomizedSearchCV, GridSearchCV
from sklearn.neighbors import KNeighborsRegressor
from scipy.stats import randint
from sklearn.preprocessing import PolynomialFeatures

from sklearn.feature_selection import SelectFromModel

import time

In [40]: espaco_parametros = {
    "n_estimators": randint(10, 351),
    "criterion": ["mse"],
    "max_depth": randint(2, 9),
    "min_samples_split": randint(6, 20),
    "min_samples_leaf": randint(1, 31),
    "max_features": [None, 1.0],
    "max_leaf_nodes": randint(3, 25),
    "bootstrap": [True, False]
}

tempo_inicio = time.time()
busca = RandomizedSearchCV(RandomForestRegressor(), espaco_parametros,
                           scoring="r2", random_state=32, verbose=3,
                           n_iter=230, cv=KFold(n_splits=5, shuffle=True))

busca.fit(X_train, y_train)
tempo_fim = time.time()
```

```
Fitting 5 folds for each of 238 candidates, totalling 1150 fits
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_lea
af_nodes=22, min_samples_leaf=29, min_samples_split=13, n_estimators=99;; score=0.
103 total time= 21.1s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_lea
af_nodes=22, min_samples_leaf=29, min_samples_split=13, n_estimators=99;; score=0.
082 total time= 21.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_lea
af_nodes=22, min_samples_leaf=29, min_samples_split=13, n_estimators=99;; score=0.
094 total time= 22.0s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_lea
af_nodes=22, min_samples_leaf=29, min_samples_split=13, n_estimators=99;; score=0.
103 total time= 21.5s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_lea
af_nodes=22, min_samples_leaf=29, min_samples_split=13, n_estimators=99;; score=0.
118 total time= 22.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l
eaf_nodes=12, min_samples_leaf=5, min_samples_split=17, n_estimators=269;; score=
0.136 total time= 48.1s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l
eaf_nodes=12, min_samples_leaf=5, min_samples_split=17, n_estimators=269;; score=
0.042 total time= 48.0s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l
eaf_nodes=12, min_samples_leaf=5, min_samples_split=17, n_estimators=269;; score=
0.060 total time= 47.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l
eaf_nodes=12, min_samples_leaf=5, min_samples_split=17, n_estimators=269;; score=
0.040 total time= 46.7s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l
eaf_nodes=12, min_samples_leaf=5, min_samples_split=17, n_estimators=269;; score=
0.077 total time= 48.0s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_lea
af_nodes=13, min_samples_leaf=19, min_samples_split=16, n_estimators=110;; score=
0.103 total time= 19.9s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_lea
af_nodes=13, min_samples_leaf=19, min_samples_split=16, n_estimators=110;; score=
0.087 total time= 20.0s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_lea
af_nodes=13, min_samples_leaf=19, min_samples_split=16, n_estimators=110;; score=
0.091 total time= 19.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_lea
af_nodes=13, min_samples_leaf=19, min_samples_split=16, n_estimators=110;; score=
0.092 total time= 20.2s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_lea
af_nodes=13, min_samples_leaf=19, min_samples_split=16, n_estimators=110;; score=
0.121 total time= 18.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=14, min_samples_split=17, n_estimators=72;; score=0.11
0 total time= 6.1s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=14, min_samples_split=17, n_estimators=72;; score=0.13
1 total time= 6.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=14, min_samples_split=17, n_estimators=72;; score=0.10
9 total time= 6.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=14, min_samples_split=17, n_estimators=72;; score=0.10
6 total time= 6.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=14, min_samples_split=17, n_estimators=72;; score=0.11
6 total time= 6.1s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=23, min_samples_leaf=30, min_samples_split=16, n_estimators=249;; score=
0.069 total time= 22.1s
```

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[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_1  
leaf_nodes=23, min_samples_leaf=30, min_samples_split=16, n_estimators=249;, score=  
0.074 total time= 22.2s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_1  
leaf_nodes=23, min_samples_leaf=30, min_samples_split=16, n_estimators=249;, score=  
0.064 total time= 22.1s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_1  
leaf_nodes=23, min_samples_leaf=30, min_samples_split=16, n_estimators=249;, score=  
0.061 total time= 22.2s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_1  
leaf_nodes=23, min_samples_leaf=30, min_samples_split=16, n_estimators=249;, score=  
0.071 total time= 22.3s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_1  
leaf_nodes=17, min_samples_leaf=5, min_samples_split=15, n_estimators=218;, score=0.  
148 total time= 28.9s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_1  
leaf_nodes=17, min_samples_leaf=5, min_samples_split=15, n_estimators=218;, score=0.  
165 total time= 29.4s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_1  
leaf_nodes=17, min_samples_leaf=5, min_samples_split=15, n_estimators=218;, score=0.  
136 total time= 29.2s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_1  
leaf_nodes=17, min_samples_leaf=5, min_samples_split=15, n_estimators=218;, score=0.  
137 total time= 29.4s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_1  
leaf_nodes=17, min_samples_leaf=5, min_samples_split=15, n_estimators=218;, score=0.  
161 total time= 29.1s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_1  
leaf_nodes=13, min_samples_leaf=4, min_samples_split=19, n_estimators=60;, score=0.1  
01 total time= 10.0s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_1  
leaf_nodes=13, min_samples_leaf=4, min_samples_split=19, n_estimators=60;, score=0.0  
86 total time= 10.9s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_1  
leaf_nodes=13, min_samples_leaf=4, min_samples_split=19, n_estimators=60;, score=0.0  
73 total time= 11.1s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_1  
leaf_nodes=13, min_samples_leaf=4, min_samples_split=19, n_estimators=60;, score=0.0  
84 total time= 10.8s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_1  
leaf_nodes=13, min_samples_leaf=4, min_samples_split=19, n_estimators=60;, score=0.0  
91 total time= 10.0s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_1  
leaf_nodes=14, min_samples_leaf=20, min_samples_split=19, n_estimators=309;, score=  
0.069 total time= 28.1s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_1  
leaf_nodes=14, min_samples_leaf=20, min_samples_split=19, n_estimators=309;, score=  
0.074 total time= 28.1s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_1  
leaf_nodes=14, min_samples_leaf=20, min_samples_split=19, n_estimators=309;, score=  
0.064 total time= 27.8s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_1  
leaf_nodes=14, min_samples_leaf=20, min_samples_split=19, n_estimators=309;, score=  
0.061 total time= 27.9s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_1  
leaf_nodes=14, min_samples_leaf=20, min_samples_split=19, n_estimators=309;, score=  
0.071 total time= 28.5s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_1  
leaf_nodes=12, min_samples_leaf=12, min_samples_split=7, n_estimators=78;, score=0.  
101 total time= 13.2s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_1  
leaf_nodes=12, min_samples_leaf=12, min_samples_split=7, n_estimators=78;, score=0.  
085 total time= 13.3s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_1
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eaf_nodes=12, min_samples_leaf=12, min_samples_split=7, n_estimators=78;, score=0.
088 total time= 14.3s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_lea
eaf_nodes=12, min_samples_leaf=12, min_samples_split=7, n_estimators=78;, score=0.
082 total time= 13.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_lea
eaf_nodes=12, min_samples_leaf=12, min_samples_split=7, n_estimators=78;, score=0.
088 total time= 13.3s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_lea
af_nodes=21, min_samples_leaf=18, min_samples_split=17, n_estimators=260;, score=
0.083 total time= 15.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_lea
af_nodes=21, min_samples_leaf=18, min_samples_split=17, n_estimators=260;, score=
0.097 total time= 15.5s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_lea
af_nodes=21, min_samples_leaf=18, min_samples_split=17, n_estimators=260;, score=
0.084 total time= 15.5s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_lea
af_nodes=21, min_samples_leaf=18, min_samples_split=17, n_estimators=260;, score=
0.079 total time= 15.5s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_lea
af_nodes=21, min_samples_leaf=18, min_samples_split=17, n_estimators=260;, score=
0.082 total time= 15.5s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_lea
af_nodes=17, min_samples_leaf=26, min_samples_split=12, n_estimators=152;, score=
0.083 total time= 9.0s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_lea
af_nodes=17, min_samples_leaf=26, min_samples_split=12, n_estimators=152;, score=
0.094 total time= 9.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_lea
af_nodes=17, min_samples_leaf=26, min_samples_split=12, n_estimators=152;, score=
0.084 total time= 9.0s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_lea
af_nodes=17, min_samples_leaf=26, min_samples_split=12, n_estimators=152;, score=
0.078 total time= 9.0s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_lea
af_nodes=17, min_samples_leaf=26, min_samples_split=12, n_estimators=152;, score=
0.085 total time= 9.0s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_lea
af_nodes=22, min_samples_leaf=23, min_samples_split=6, n_estimators=246;, score=0.
078 total time= 56.7s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_lea
af_nodes=22, min_samples_leaf=23, min_samples_split=6, n_estimators=246;, score=0.
071 total time= 54.6s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_lea
af_nodes=22, min_samples_leaf=23, min_samples_split=6, n_estimators=246;, score=0.
060 total time= 53.9s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_lea
af_nodes=22, min_samples_leaf=23, min_samples_split=6, n_estimators=246;, score=0.
094 total time= 54.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_lea
af_nodes=22, min_samples_leaf=23, min_samples_split=6, n_estimators=246;, score=0.
119 total time= 56.5s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=16, min_samples_split=7, n_estimators=157;, score=0.1
48 total time= 19.5s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=16, min_samples_split=7, n_estimators=157;, score=0.1
56 total time= 18.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=16, min_samples_split=7, n_estimators=157;, score=0.1
24 total time= 19.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=16, min_samples_split=7, n_estimators=157;, score=0.1
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30 total time= 18.8s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=16, min_samples_split=7, n_estimators=157;, score=0.1
58 total time= 19.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=9, min_samples_split=12, n_estimators=208;, score=0.
095 total time= 36.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=9, min_samples_split=12, n_estimators=208;, score=0.
062 total time= 36.9s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=9, min_samples_split=12, n_estimators=208;, score=0.
065 total time= 36.2s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=9, min_samples_split=12, n_estimators=208;, score=0.
041 total time= 35.5s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=9, min_samples_split=12, n_estimators=208;, score=0.
073 total time= 36.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=29, min_samples_split=7, n_estimators=238;, score=0.1
33 total time= 27.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=29, min_samples_split=7, n_estimators=238;, score=0.1
50 total time= 27.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=29, min_samples_split=7, n_estimators=238;, score=0.1
23 total time= 27.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=29, min_samples_split=7, n_estimators=238;, score=0.1
29 total time= 27.0s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=29, min_samples_split=7, n_estimators=238;, score=0.1
49 total time= 26.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=18, min_samples_split=13, n_estimators=92;, score=0.1
12 total time= 8.1s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=18, min_samples_split=13, n_estimators=92;, score=0.1
30 total time= 7.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=18, min_samples_split=13, n_estimators=92;, score=0.1
07 total time= 7.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=18, min_samples_split=13, n_estimators=92;, score=0.1
06 total time= 8.0s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=18, min_samples_split=13, n_estimators=92;, score=0.1
13 total time= 7.9s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=3, min_samples_leaf=8, min_samples_split=6, n_estimators=132;, score=0.07
4 total time= 10.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=3, min_samples_leaf=8, min_samples_split=6, n_estimators=132;, score=0.08
2 total time= 10.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=3, min_samples_leaf=8, min_samples_split=6, n_estimators=132;, score=0.07
7 total time= 10.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=3, min_samples_leaf=8, min_samples_split=6, n_estimators=132;, score=0.07
0 total time= 9.8s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=3, min_samples_leaf=8, min_samples_split=6, n_estimators=132;, score=0.07
6 total time= 9.6s
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[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le  
af_nodes=23, min_samples_leaf=9, min_samples_split=8, n_estimators=146;, score=0.1  
55 total time= 21.7s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le  
af_nodes=23, min_samples_leaf=9, min_samples_split=8, n_estimators=146;, score=0.1  
79 total time= 21.4s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le  
af_nodes=23, min_samples_leaf=9, min_samples_split=8, n_estimators=146;, score=0.1  
53 total time= 21.4s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le  
af_nodes=23, min_samples_leaf=9, min_samples_split=8, n_estimators=146;, score=0.1  
52 total time= 21.3s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le  
af_nodes=23, min_samples_leaf=9, min_samples_split=8, n_estimators=146;, score=0.1  
73 total time= 21.4s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l  
eaf_nodes=21, min_samples_leaf=18, min_samples_split=6, n_estimators=53;, score=0.  
093 total time= 12.0s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l  
eaf_nodes=21, min_samples_leaf=18, min_samples_split=6, n_estimators=53;, score=0.  
055 total time= 11.1s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l  
eaf_nodes=21, min_samples_leaf=18, min_samples_split=6, n_estimators=53;, score=0.  
080 total time= 12.4s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l  
eaf_nodes=21, min_samples_leaf=18, min_samples_split=6, n_estimators=53;, score=0.  
109 total time= 12.2s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l  
eaf_nodes=21, min_samples_leaf=18, min_samples_split=6, n_estimators=53;, score=0.  
118 total time= 11.5s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le  
af_nodes=4, min_samples_leaf=7, min_samples_split=6, n_estimators=267;, score=0.07  
8 total time= 32.9s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le  
af_nodes=4, min_samples_leaf=7, min_samples_split=6, n_estimators=267;, score=0.06  
8 total time= 31.9s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le  
af_nodes=4, min_samples_leaf=7, min_samples_split=6, n_estimators=267;, score=0.06  
9 total time= 33.2s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le  
af_nodes=4, min_samples_leaf=7, min_samples_split=6, n_estimators=267;, score=0.06  
4 total time= 32.1s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le  
af_nodes=4, min_samples_leaf=7, min_samples_split=6, n_estimators=267;, score=0.06  
0 total time= 32.5s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=28, min_samples_split=15, n_estimators=328;, score=0.  
069 total time= 29.6s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=28, min_samples_split=15, n_estimators=328;, score=0.  
074 total time= 29.4s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=28, min_samples_split=15, n_estimators=328;, score=0.  
064 total time= 29.4s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=28, min_samples_split=15, n_estimators=328;, score=0.  
061 total time= 29.3s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=28, min_samples_split=15, n_estimators=328;, score=0.  
071 total time= 29.5s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le  
af_nodes=9, min_samples_leaf=20, min_samples_split=13, n_estimators=51;, score=0.1  
23 total time= 5.3s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
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af_nodes=9, min_samples_leaf=20, min_samples_split=13, n_estimators=51;; score=0.1
35 total time= 5.3s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=9, min_samples_leaf=20, min_samples_split=13, n_estimators=51;; score=0.1
11 total time= 5.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=9, min_samples_leaf=20, min_samples_split=13, n_estimators=51;; score=0.1
15 total time= 5.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=9, min_samples_leaf=20, min_samples_split=13, n_estimators=51;; score=0.1
42 total time= 5.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=1, min_samples_split=15, n_estimators=107;; score=0.10
2 total time= 11.1s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=1, min_samples_split=15, n_estimators=107;; score=0.11
3 total time= 11.2s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=1, min_samples_split=15, n_estimators=107;; score=0.10
1 total time= 11.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=1, min_samples_split=15, n_estimators=107;; score=0.10
7 total time= 11.2s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=1, min_samples_split=15, n_estimators=107;; score=0.11
4 total time= 11.1s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=14, min_samples_split=18, n_estimators=77;; score=
0.086 total time= 17.0s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=14, min_samples_split=18, n_estimators=77;; score=
0.073 total time= 15.7s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=14, min_samples_split=18, n_estimators=77;; score=
0.077 total time= 16.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=14, min_samples_split=18, n_estimators=77;; score=
0.090 total time= 17.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=14, min_samples_split=18, n_estimators=77;; score=
0.115 total time= 16.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=13, min_samples_leaf=16, min_samples_split=10, n_estimators=206;; score=
0.070 total time= 36.3s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=13, min_samples_leaf=16, min_samples_split=10, n_estimators=206;; score=
0.065 total time= 38.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=13, min_samples_leaf=16, min_samples_split=10, n_estimators=206;; score=
0.075 total time= 41.4s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=13, min_samples_leaf=16, min_samples_split=10, n_estimators=206;; score=
0.067 total time= 36.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=13, min_samples_leaf=16, min_samples_split=10, n_estimators=206;; score=
0.114 total time= 39.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=12, min_samples_leaf=11, min_samples_split=10, n_estimators=114;; score=
0.140 total time= 13.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=12, min_samples_leaf=11, min_samples_split=10, n_estimators=114;; score=
0.147 total time= 13.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=12, min_samples_leaf=11, min_samples_split=10, n_estimators=114;; score=

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0.123 total time= 13.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_lea
af_nodes=12, min_samples_leaf=11, min_samples_split=10, n_estimators=114;; score=
0.128 total time= 13.2s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_lea
af_nodes=12, min_samples_leaf=11, min_samples_split=10, n_estimators=114;; score=
0.158 total time= 13.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=11, min_samples_leaf=21, min_samples_split=18, n_estimators=302;; scores=
0.096 total time= 40.8s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=11, min_samples_leaf=21, min_samples_split=18, n_estimators=302;; scores=
0.100 total time= 41.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=11, min_samples_leaf=21, min_samples_split=18, n_estimators=302;; scores=
0.078 total time= 41.1s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=11, min_samples_leaf=21, min_samples_split=18, n_estimators=302;; scores=
0.088 total time= 40.9s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=11, min_samples_leaf=21, min_samples_split=18, n_estimators=302;; scores=
0.078 total time= 40.7s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=2, min_samples_split=15, n_estimators=239;; score=0.1
28 total time= 29.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=2, min_samples_split=15, n_estimators=239;; score=0.1
38 total time= 28.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=2, min_samples_split=15, n_estimators=239;; score=0.1
17 total time= 29.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=2, min_samples_split=15, n_estimators=239;; score=0.1
07 total time= 28.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=2, min_samples_split=15, n_estimators=239;; score=0.1
43 total time= 28.7s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=6, min_samples_leaf=28, min_samples_split=15, n_estimators=175;; score=0.
086 total time= 23.7s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=6, min_samples_leaf=28, min_samples_split=15, n_estimators=175;; score=0.
076 total time= 24.8s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=6, min_samples_leaf=28, min_samples_split=15, n_estimators=175;; score=0.
068 total time= 24.4s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=6, min_samples_leaf=28, min_samples_split=15, n_estimators=175;; score=0.
058 total time= 23.5s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=6, min_samples_leaf=28, min_samples_split=15, n_estimators=175;; score=0.
074 total time= 21.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=18, min_samples_leaf=24, min_samples_split=11, n_estimators=71;; score=0.1
61 total time= 9.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=18, min_samples_leaf=24, min_samples_split=11, n_estimators=71;; score=0.1
78 total time= 9.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=18, min_samples_leaf=24, min_samples_split=11, n_estimators=71;; score=0.1
38 total time= 9.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=18, min_samples_leaf=24, min_samples_split=11, n_estimators=71;; score=0.1
56 total time= 9.5s
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[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea f_nodes=18, min_samples_leaf=24, min_samples_split=11, n_estimators=71;, score=0.1 84 total time= 9.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l eaf_nodes=9, min_samples_leaf=8, min_samples_split=10, n_estimators=282;, score=0. 092 total time= 47.2s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l eaf_nodes=9, min_samples_leaf=8, min_samples_split=10, n_estimators=282;, score=0. 069 total time= 48.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l eaf_nodes=9, min_samples_leaf=8, min_samples_split=10, n_estimators=282;, score=0. 055 total time= 43.6s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l eaf_nodes=9, min_samples_leaf=8, min_samples_split=10, n_estimators=282;, score=0. 044 total time= 47.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l eaf_nodes=9, min_samples_leaf=8, min_samples_split=10, n_estimators=282;, score=0. 062 total time= 44.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea f_nodes=24, min_samples_leaf=10, min_samples_split=12, n_estimators=234;, score=0. 164 total time= 34.3s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea f_nodes=24, min_samples_leaf=10, min_samples_split=12, n_estimators=234;, score=0. 183 total time= 34.6s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea f_nodes=24, min_samples_leaf=10, min_samples_split=12, n_estimators=234;, score=0. 156 total time= 35.2s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea f_nodes=24, min_samples_leaf=10, min_samples_split=12, n_estimators=234;, score=0. 159 total time= 35.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea f_nodes=24, min_samples_leaf=10, min_samples_split=12, n_estimators=234;, score=0. 192 total time= 36.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l eaf_nodes=11, min_samples_leaf=18, min_samples_split=6, n_estimators=165;, score= 0.093 total time= 29.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l eaf_nodes=11, min_samples_leaf=18, min_samples_split=6, n_estimators=165;, score= 0.062 total time= 29.8s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l eaf_nodes=11, min_samples_leaf=18, min_samples_split=6, n_estimators=165;, score= 0.072 total time= 29.5s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l eaf_nodes=11, min_samples_leaf=18, min_samples_split=6, n_estimators=165;, score= 0.090 total time= 31.0s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l eaf_nodes=11, min_samples_leaf=18, min_samples_split=6, n_estimators=165;, score= 0.106 total time= 31.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l eaf_nodes=7, min_samples_leaf=5, min_samples_split=11, n_estimators=185;, score=0. 081 total time= 27.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l eaf_nodes=7, min_samples_leaf=5, min_samples_split=11, n_estimators=185;, score=0. 058 total time= 24.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l eaf_nodes=7, min_samples_leaf=5, min_samples_split=11, n_estimators=185;, score=0. 060 total time= 25.5s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l eaf_nodes=7, min_samples_leaf=5, min_samples_split=11, n_estimators=185;, score=- 0.011 total time= 24.1s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l eaf_nodes=7, min_samples_leaf=5, min_samples_split=11, n_estimators=185;, score=0. 079 total time= 26.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
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af_nodes=5, min_samples_leaf=16, min_samples_split=11, n_estimators=218;, score=0.
101 total time= 20.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=5, min_samples_leaf=16, min_samples_split=11, n_estimators=218;, score=0.
105 total time= 19.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=5, min_samples_leaf=16, min_samples_split=11, n_estimators=218;, score=0.
098 total time= 19.8s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=5, min_samples_leaf=16, min_samples_split=11, n_estimators=218;, score=0.
084 total time= 19.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=5, min_samples_leaf=16, min_samples_split=11, n_estimators=218;, score=0.
102 total time= 19.1s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=30, min_samples_split=13, n_estimators=195;, score=
0.100 total time= 33.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=30, min_samples_split=13, n_estimators=195;, score=
0.087 total time= 33.8s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=30, min_samples_split=13, n_estimators=195;, score=
0.085 total time= 36.6s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=30, min_samples_split=13, n_estimators=195;, score=
0.088 total time= 32.6s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=30, min_samples_split=13, n_estimators=195;, score=
0.099 total time= 32.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=3, min_samples_leaf=9, min_samples_split=17, n_estimators=271;, score=0.0
75 total time= 21.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=3, min_samples_leaf=9, min_samples_split=17, n_estimators=271;, score=0.0
83 total time= 20.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=3, min_samples_leaf=9, min_samples_split=17, n_estimators=271;, score=0.0
77 total time= 20.7s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=3, min_samples_leaf=9, min_samples_split=17, n_estimators=271;, score=0.0
68 total time= 20.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=3, min_samples_leaf=9, min_samples_split=17, n_estimators=271;, score=0.0
75 total time= 20.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=17, min_samples_leaf=23, min_samples_split=7, n_estimators=296;, score=
0.076 total time= 1.0min
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=17, min_samples_leaf=23, min_samples_split=7, n_estimators=296;, score=
0.074 total time= 1.0min
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=17, min_samples_leaf=23, min_samples_split=7, n_estimators=296;, score=
0.062 total time= 59.1s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=17, min_samples_leaf=23, min_samples_split=7, n_estimators=296;, score=
0.103 total time= 1.0min
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=17, min_samples_leaf=23, min_samples_split=7, n_estimators=296;, score=
0.112 total time= 1.0min
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=3, min_samples_leaf=5, min_samples_split=19, n_estimators=189;, score=0.0
64 total time= 21.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=3, min_samples_leaf=5, min_samples_split=19, n_estimators=189;, score=0.0

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61 total time= 21.1s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_lea
af_nodes=3, min_samples_leaf=5, min_samples_split=19, n_estimators=189;, score=0.0
64 total time= 21.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_lea
af_nodes=3, min_samples_leaf=5, min_samples_split=19, n_estimators=189;, score=0.0
52 total time= 21.2s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_lea
af_nodes=3, min_samples_leaf=5, min_samples_split=19, n_estimators=189;, score=0.0
66 total time= 21.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_lea
leaf_nodes=18, min_samples_leaf=1, min_samples_split=7, n_estimators=140;, score=-
0.034 total time= 27.7s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_lea
leaf_nodes=18, min_samples_leaf=1, min_samples_split=7, n_estimators=140;, score=0.
013 total time= 28.9s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_lea
leaf_nodes=18, min_samples_leaf=1, min_samples_split=7, n_estimators=140;, score=0.
095 total time= 30.0s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_lea
leaf_nodes=18, min_samples_leaf=1, min_samples_split=7, n_estimators=140;, score=-
0.048 total time= 29.8s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_lea
leaf_nodes=18, min_samples_leaf=1, min_samples_split=7, n_estimators=140;, score=0.
006 total time= 27.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=14, min_samples_leaf=21, min_samples_split=11, n_estimators=35;, score=0.1
08 total time= 2.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=14, min_samples_leaf=21, min_samples_split=11, n_estimators=35;, score=0.1
26 total time= 2.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=14, min_samples_leaf=21, min_samples_split=11, n_estimators=35;, score=0.1
12 total time= 3.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=14, min_samples_leaf=21, min_samples_split=11, n_estimators=35;, score=0.1
06 total time= 3.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=14, min_samples_leaf=21, min_samples_split=11, n_estimators=35;, score=0.1
15 total time= 3.0s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_lea
leaf_nodes=18, min_samples_leaf=29, min_samples_split=7, n_estimators=124;, score=
0.100 total time= 26.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_lea
leaf_nodes=18, min_samples_leaf=29, min_samples_split=7, n_estimators=124;, score=
0.075 total time= 26.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_lea
leaf_nodes=18, min_samples_leaf=29, min_samples_split=7, n_estimators=124;, score=
0.089 total time= 26.7s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_lea
leaf_nodes=18, min_samples_leaf=29, min_samples_split=7, n_estimators=124;, score=
0.101 total time= 26.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_lea
leaf_nodes=18, min_samples_leaf=29, min_samples_split=7, n_estimators=124;, score=
0.114 total time= 26.3s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_lea
f_nodes=13, min_samples_leaf=16, min_samples_split=18, n_estimators=31;, score=0.
136 total time= 3.8s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_lea
f_nodes=13, min_samples_leaf=16, min_samples_split=18, n_estimators=31;, score=0.
151 total time= 3.7s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_lea
f_nodes=13, min_samples_leaf=16, min_samples_split=18, n_estimators=31;, score=0.
131 total time= 3.8s
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[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=13, min_samples_leaf=16, min_samples_split=18, n_estimators=31;, score=0.131 total time= 3.8s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=13, min_samples_leaf=16, min_samples_split=18, n_estimators=31;, score=0.158 total time= 3.7s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_leaf_nodes=10, min_samples_leaf=28, min_samples_split=15, n_estimators=21;, score=0.081 total time= 1.1s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_leaf_nodes=10, min_samples_leaf=28, min_samples_split=15, n_estimators=21;, score=0.093 total time= 1.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_leaf_nodes=10, min_samples_leaf=28, min_samples_split=15, n_estimators=21;, score=0.082 total time= 1.2s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_leaf_nodes=10, min_samples_leaf=28, min_samples_split=15, n_estimators=21;, score=0.071 total time= 1.2s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_leaf_nodes=10, min_samples_leaf=28, min_samples_split=15, n_estimators=21;, score=0.088 total time= 1.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=10, min_samples_split=10, n_estimators=152;, score=0.082 total time= 8.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=10, min_samples_split=10, n_estimators=152;, score=0.098 total time= 8.8s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=10, min_samples_split=10, n_estimators=152;, score=0.083 total time= 8.8s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=10, min_samples_split=10, n_estimators=152;, score=0.077 total time= 8.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=10, min_samples_split=10, n_estimators=152;, score=0.083 total time= 8.8s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_leaf_nodes=5, min_samples_leaf=16, min_samples_split=19, n_estimators=149;, score=0.084 total time= 17.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_leaf_nodes=5, min_samples_leaf=16, min_samples_split=19, n_estimators=149;, score=0.081 total time= 20.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_leaf_nodes=5, min_samples_leaf=16, min_samples_split=19, n_estimators=149;, score=0.076 total time= 17.6s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_leaf_nodes=5, min_samples_leaf=16, min_samples_split=19, n_estimators=149;, score=0.071 total time= 16.8s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_leaf_nodes=5, min_samples_leaf=16, min_samples_split=19, n_estimators=149;, score=0.064 total time= 17.0s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=9, min_samples_leaf=14, min_samples_split=14, n_estimators=143;, score=0.092 total time= 24.0s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=9, min_samples_leaf=14, min_samples_split=14, n_estimators=143;, score=0.069 total time= 24.6s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=9, min_samples_leaf=14, min_samples_split=14, n_estimators=143;, score=0.048 total time= 23.4s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=9, min_samples_leaf=14, min_samples_split=14, n_estimators=143;, score=0.049 total time= 24.8s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=9, min_samples_leaf=14, min_samples_split=14, n_estimators=143;, score=0.049 total time= 24.8s
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eaf_nodes=9, min_samples_leaf=14, min_samples_split=14, n_estimators=143;, score=0.098 total time= 22.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=10, min_samples_leaf=5, min_samples_split=10, n_estimators=220;, score=0.093 total time= 37.8s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=10, min_samples_leaf=5, min_samples_split=10, n_estimators=220;, score=0.054 total time= 34.0s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=10, min_samples_leaf=5, min_samples_split=10, n_estimators=220;, score=0.065 total time= 37.6s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=10, min_samples_leaf=5, min_samples_split=10, n_estimators=220;, score=-0.002 total time= 32.6s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=10, min_samples_leaf=5, min_samples_split=10, n_estimators=220;, score=0.075 total time= 38.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=18, min_samples_leaf=24, min_samples_split=13, n_estimators=174;, score=0.109 total time= 31.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=18, min_samples_leaf=24, min_samples_split=13, n_estimators=174;, score=0.095 total time= 31.7s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=18, min_samples_leaf=24, min_samples_split=13, n_estimators=174;, score=0.093 total time= 31.2s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=18, min_samples_leaf=24, min_samples_split=13, n_estimators=174;, score=0.098 total time= 31.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=18, min_samples_leaf=24, min_samples_split=13, n_estimators=174;, score=0.114 total time= 31.5s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=11, min_samples_split=18, n_estimators=125;, score=0.166 total time= 18.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=11, min_samples_split=18, n_estimators=125;, score=0.183 total time= 18.3s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=11, min_samples_split=18, n_estimators=125;, score=0.153 total time= 18.7s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=11, min_samples_split=18, n_estimators=125;, score=0.163 total time= 18.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=11, min_samples_split=18, n_estimators=125;, score=0.190 total time= 18.7s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=29, min_samples_split=9, n_estimators=346;, score=0.101 total time= 1.1min
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=29, min_samples_split=9, n_estimators=346;, score=0.075 total time= 1.1min
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=29, min_samples_split=9, n_estimators=346;, score=0.073 total time= 1.1min
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=29, min_samples_split=9, n_estimators=346;, score=0.102 total time= 1.1min
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=29, min_samples_split=9, n_estimators=346;, score=0.096 total time= 1.1min
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=12, min_samples_leaf=15, min_samples_split=10, n_estimators=265;, score=0.
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131 total time= 29.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=15, min_samples_split=10, n_estimators=265;, score=0.
150 total time= 29.5s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=15, min_samples_split=10, n_estimators=265;, score=0.
128 total time= 29.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=15, min_samples_split=10, n_estimators=265;, score=0.
127 total time= 29.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=15, min_samples_split=10, n_estimators=265;, score=0.
150 total time= 30.5s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=23, min_samples_leaf=4, min_samples_split=10, n_estimators=85;, score=0.1
46 total time= 12.3s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=23, min_samples_leaf=4, min_samples_split=10, n_estimators=85;, score=0.1
71 total time= 12.8s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=23, min_samples_leaf=4, min_samples_split=10, n_estimators=85;, score=0.1
42 total time= 12.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=23, min_samples_leaf=4, min_samples_split=10, n_estimators=85;, score=0.1
48 total time= 12.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=23, min_samples_leaf=4, min_samples_split=10, n_estimators=85;, score=0.1
72 total time= 12.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=21, min_samples_leaf=12, min_samples_split=16, n_estimators=160;, score=
0.161 total time= 22.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=21, min_samples_leaf=12, min_samples_split=16, n_estimators=160;, score=
0.176 total time= 22.8s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=21, min_samples_leaf=12, min_samples_split=16, n_estimators=160;, score=
0.148 total time= 22.8s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=21, min_samples_leaf=12, min_samples_split=16, n_estimators=160;, score=
0.159 total time= 23.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=21, min_samples_leaf=12, min_samples_split=16, n_estimators=160;, score=
0.189 total time= 23.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=8, min_samples_leaf=19, min_samples_split=12, n_estimators=347;, score=0.
087 total time= 51.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=8, min_samples_leaf=19, min_samples_split=12, n_estimators=347;, score=0.
072 total time= 57.4s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=8, min_samples_leaf=19, min_samples_split=12, n_estimators=347;, score=0.
058 total time= 46.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=8, min_samples_leaf=19, min_samples_split=12, n_estimators=347;, score=0.
075 total time= 58.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=8, min_samples_leaf=19, min_samples_split=12, n_estimators=347;, score=0.
088 total time= 48.8s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=23, min_samples_leaf=27, min_samples_split=18, n_estimators=267;, score=
0.100 total time= 1.0min
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=23, min_samples_leaf=27, min_samples_split=18, n_estimators=267;, score=
0.086 total time= 1.1min
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[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=23, min_samples_leaf=27, min_samples_split=18, n_estimators=267;; score=  
0.081 total time= 1.0min  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=23, min_samples_leaf=27, min_samples_split=18, n_estimators=267;; score=  
0.102 total time= 59.8s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=23, min_samples_leaf=27, min_samples_split=18, n_estimators=267;; score=  
0.107 total time= 59.7s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=13, min_samples_leaf=16, min_samples_split=16, n_estimators=309;; score=  
0.069 total time= 27.5s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=13, min_samples_leaf=16, min_samples_split=16, n_estimators=309;; score=  
0.074 total time= 27.5s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=13, min_samples_leaf=16, min_samples_split=16, n_estimators=309;; score=  
0.064 total time= 27.6s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=13, min_samples_leaf=16, min_samples_split=16, n_estimators=309;; score=  
0.061 total time= 27.5s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=13, min_samples_leaf=16, min_samples_split=16, n_estimators=309;; score=  
0.071 total time= 27.5s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le  
af_nodes=17, min_samples_leaf=7, min_samples_split=12, n_estimators=338;; score=0.  
096 total time= 45.2s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le  
af_nodes=17, min_samples_leaf=7, min_samples_split=12, n_estimators=338;; score=0.  
100 total time= 45.2s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le  
af_nodes=17, min_samples_leaf=7, min_samples_split=12, n_estimators=338;; score=0.  
078 total time= 45.1s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le  
af_nodes=17, min_samples_leaf=7, min_samples_split=12, n_estimators=338;; score=0.  
088 total time= 45.5s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le  
af_nodes=17, min_samples_leaf=7, min_samples_split=12, n_estimators=338;; score=0.  
078 total time= 46.1s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le  
af_nodes=9, min_samples_leaf=7, min_samples_split=17, n_estimators=242;; score=0.1  
18 total time= 28.1s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le  
af_nodes=9, min_samples_leaf=7, min_samples_split=17, n_estimators=242;; score=0.1  
33 total time= 27.0s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le  
af_nodes=9, min_samples_leaf=7, min_samples_split=17, n_estimators=242;; score=0.1  
12 total time= 27.4s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le  
af_nodes=9, min_samples_leaf=7, min_samples_split=17, n_estimators=242;; score=0.1  
12 total time= 27.4s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le  
af_nodes=9, min_samples_leaf=7, min_samples_split=17, n_estimators=242;; score=0.1  
33 total time= 27.2s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=11, min_samples_split=9, n_estimators=165;; score=0.0  
81 total time= 25.1s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=11, min_samples_split=9, n_estimators=165;; score=0.0  
69 total time= 26.2s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=11, min_samples_split=9, n_estimators=165;; score=0.0  
60 total time= 23.4s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
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af_nodes=7, min_samples_leaf=11, min_samples_split=9, n_estimators=165;, score=0.0
27 total time= 24.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=7, min_samples_leaf=11, min_samples_split=9, n_estimators=165;, score=0.0
72 total time= 23.8s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=20, min_samples_leaf=24, min_samples_split=14, n_estimators=311;, score=
0.095 total time= 1.2min
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=20, min_samples_leaf=24, min_samples_split=14, n_estimators=311;, score=
0.073 total time= 1.1min
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=20, min_samples_leaf=24, min_samples_split=14, n_estimators=311;, score=
0.074 total time= 1.2min
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=20, min_samples_leaf=24, min_samples_split=14, n_estimators=311;, score=
0.107 total time= 1.2min
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=20, min_samples_leaf=24, min_samples_split=14, n_estimators=311;, score=
0.111 total time= 1.2min
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=24, min_samples_leaf=5, min_samples_split=8, n_estimators=339;, score=0.16
0 total time= 55.8s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=24, min_samples_leaf=5, min_samples_split=8, n_estimators=339;, score=0.17
6 total time= 55.3s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=24, min_samples_leaf=5, min_samples_split=8, n_estimators=339;, score=0.14
7 total time= 56.0s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=24, min_samples_leaf=5, min_samples_split=8, n_estimators=339;, score=0.15
5 total time= 59.5s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=24, min_samples_leaf=5, min_samples_split=8, n_estimators=339;, score=0.18
0 total time= 1.0min
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=17, min_samples_leaf=3, min_samples_split=14, n_estimators=300;, score=
0.096 total time= 47.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=17, min_samples_leaf=3, min_samples_split=14, n_estimators=300;, score=
0.100 total time= 46.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=17, min_samples_leaf=3, min_samples_split=14, n_estimators=300;, score=
0.081 total time= 45.1s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=17, min_samples_leaf=3, min_samples_split=14, n_estimators=300;, score=
0.088 total time= 44.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=17, min_samples_leaf=3, min_samples_split=14, n_estimators=300;, score=
0.078 total time= 44.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=5, min_samples_leaf=22, min_samples_split=13, n_estimators=119;, score=0.1
04 total time= 11.8s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=5, min_samples_leaf=22, min_samples_split=13, n_estimators=119;, score=0.1
03 total time= 11.2s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=5, min_samples_leaf=22, min_samples_split=13, n_estimators=119;, score=0.0
96 total time= 11.5s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=5, min_samples_leaf=22, min_samples_split=13, n_estimators=119;, score=0.0
84 total time= 11.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=5, min_samples_leaf=22, min_samples_split=13, n_estimators=119;, score=0.1

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00 total time= 10.3s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=23, min_samples_leaf=10, min_samples_split=7, n_estimators=180;, score=0.
134 total time= 21.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=23, min_samples_leaf=10, min_samples_split=7, n_estimators=180;, score=0.
153 total time= 21.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=23, min_samples_leaf=10, min_samples_split=7, n_estimators=180;, score=0.
133 total time= 21.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=23, min_samples_leaf=10, min_samples_split=7, n_estimators=180;, score=0.
130 total time= 21.2s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=23, min_samples_leaf=10, min_samples_split=7, n_estimators=180;, score=0.
154 total time= 20.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=20, min_samples_leaf=29, min_samples_split=16, n_estimators=174;, score=0.166 total time= 27.3s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=20, min_samples_leaf=29, min_samples_split=16, n_estimators=174;, score=0.187 total time= 30.7s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=20, min_samples_leaf=29, min_samples_split=16, n_estimators=174;, score=0.144 total time= 27.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=20, min_samples_leaf=29, min_samples_split=16, n_estimators=174;, score=0.160 total time= 27.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=20, min_samples_leaf=29, min_samples_split=16, n_estimators=174;, score=0.198 total time= 27.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=14, min_samples_leaf=25, min_samples_split=11, n_estimators=280;, score=0.093 total time= 43.1s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=14, min_samples_leaf=25, min_samples_split=11, n_estimators=280;, score=0.076 total time= 45.7s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=14, min_samples_leaf=25, min_samples_split=11, n_estimators=280;, score=0.079 total time= 45.0s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=14, min_samples_leaf=25, min_samples_split=11, n_estimators=280;, score=0.105 total time= 46.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=14, min_samples_leaf=25, min_samples_split=11, n_estimators=280;, score=0.119 total time= 46.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=19, min_samples_leaf=29, min_samples_split=12, n_estimators=284;, score=0.165 total time= 43.1s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=19, min_samples_leaf=29, min_samples_split=12, n_estimators=284;, score=0.185 total time= 42.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=19, min_samples_leaf=29, min_samples_split=12, n_estimators=284;, score=0.142 total time= 42.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=19, min_samples_leaf=29, min_samples_split=12, n_estimators=284;, score=0.160 total time= 43.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=19, min_samples_leaf=29, min_samples_split=12, n_estimators=284;, score=0.191 total time= 43.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=7, min_samples_leaf=20, min_samples_split=13, n_estimators=185;, score=0.081 total time= 28.4s
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[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1  
eaf_nodes=7, min_samples_leaf=20, min_samples_split=13, n_estimators=185;, score=  
0.061 total time= 29.7s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1  
eaf_nodes=7, min_samples_leaf=20, min_samples_split=13, n_estimators=185;, score=  
0.060 total time= 26.9s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1  
eaf_nodes=7, min_samples_leaf=20, min_samples_split=13, n_estimators=185;, score=  
0.067 total time= 30.4s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1  
eaf_nodes=7, min_samples_leaf=20, min_samples_split=13, n_estimators=185;, score=  
0.102 total time= 28.8s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_1  
eaf_nodes=15, min_samples_leaf=5, min_samples_split=8, n_estimators=82;, score=0.0  
96 total time= 17.3s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_1  
eaf_nodes=15, min_samples_leaf=5, min_samples_split=8, n_estimators=82;, score=0.0  
52 total time= 17.7s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_1  
eaf_nodes=15, min_samples_leaf=5, min_samples_split=8, n_estimators=82;, score=0.0  
64 total time= 18.6s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_1  
eaf_nodes=15, min_samples_leaf=5, min_samples_split=8, n_estimators=82;, score=0.0  
23 total time= 18.5s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_1  
eaf_nodes=15, min_samples_leaf=5, min_samples_split=8, n_estimators=82;, score=0.0  
91 total time= 18.5s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_1  
af_nodes=21, min_samples_leaf=2, min_samples_split=13, n_estimators=278;, score=0.  
101 total time= 27.4s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_1  
af_nodes=21, min_samples_leaf=2, min_samples_split=13, n_estimators=278;, score=0.  
125 total time= 27.7s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_1  
af_nodes=21, min_samples_leaf=2, min_samples_split=13, n_estimators=278;, score=0.  
100 total time= 27.1s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_1  
af_nodes=21, min_samples_leaf=2, min_samples_split=13, n_estimators=278;, score=0.  
093 total time= 27.0s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_1  
af_nodes=21, min_samples_leaf=2, min_samples_split=13, n_estimators=278;, score=0.  
110 total time= 26.0s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_1  
eaf_nodes=13, min_samples_leaf=28, min_samples_split=7, n_estimators=279;, score=  
0.097 total time= 53.6s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_1  
eaf_nodes=13, min_samples_leaf=28, min_samples_split=7, n_estimators=279;, score=  
0.063 total time= 54.1s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_1  
eaf_nodes=13, min_samples_leaf=28, min_samples_split=7, n_estimators=279;, score=  
0.070 total time= 57.4s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_1  
eaf_nodes=13, min_samples_leaf=28, min_samples_split=7, n_estimators=279;, score=  
0.098 total time= 57.2s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_1  
eaf_nodes=13, min_samples_leaf=28, min_samples_split=7, n_estimators=279;, score=  
0.097 total time= 57.4s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea  
f_nodes=11, min_samples_leaf=10, min_samples_split=10, n_estimators=286;, score=0.  
136 total time= 34.4s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea  
f_nodes=11, min_samples_leaf=10, min_samples_split=10, n_estimators=286;, score=0.  
140 total time= 34.0s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
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f_nodes=11, min_samples_leaf=10, min_samples_split=10, n_estimators=286;, score=0.
121 total time= 33.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=10, min_samples_split=10, n_estimators=286;, score=0.
122 total time= 34.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=10, min_samples_split=10, n_estimators=286;, score=0.
151 total time= 34.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=3, min_samples_split=16, n_estimators=233;, score=0.1
30 total time= 38.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=3, min_samples_split=16, n_estimators=233;, score=0.1
47 total time= 38.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=3, min_samples_split=16, n_estimators=233;, score=0.1
24 total time= 38.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=3, min_samples_split=16, n_estimators=233;, score=0.1
18 total time= 38.8s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=3, min_samples_split=16, n_estimators=233;, score=0.1
45 total time= 38.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=9, min_samples_leaf=5, min_samples_split=9, n_estimators=19;, score=0.115
total time= 2.1s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=9, min_samples_leaf=5, min_samples_split=9, n_estimators=19;, score=0.108
total time= 1.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=9, min_samples_leaf=5, min_samples_split=9, n_estimators=19;, score=0.116
total time= 2.0s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=9, min_samples_leaf=5, min_samples_split=9, n_estimators=19;, score=0.102
total time= 2.0s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=9, min_samples_leaf=5, min_samples_split=9, n_estimators=19;, score=0.123
total time= 1.9s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=20, min_samples_leaf=7, min_samples_split=12, n_estimators=144;, score=0.1
32 total time= 17.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=20, min_samples_leaf=7, min_samples_split=12, n_estimators=144;, score=0.1
52 total time= 17.7s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=20, min_samples_leaf=7, min_samples_split=12, n_estimators=144;, score=0.1
30 total time= 17.7s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=20, min_samples_leaf=7, min_samples_split=12, n_estimators=144;, score=0.1
26 total time= 17.7s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_lea
f_nodes=20, min_samples_leaf=7, min_samples_split=12, n_estimators=144;, score=0.1
49 total time= 17.8s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=3, min_samples_split=6, n_estimators=328;, score=0.0
77 total time= 59.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=3, min_samples_split=6, n_estimators=328;, score=0.0
69 total time= 60.0s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=3, min_samples_split=6, n_estimators=328;, score=0.0
74 total time= 59.3s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=3, min_samples_split=6, n_estimators=328;, score=0.0

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36 total time= 58.2s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_lea
af_nodes=10, min_samples_leaf=3, min_samples_split=6, n_estimators=328;, score=0.8
37 total time= 48.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_lea
af_nodes=9, min_samples_leaf=25, min_samples_split=11, n_estimators=120;, score=0.
125 total time= 13.0s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_lea
af_nodes=9, min_samples_leaf=25, min_samples_split=11, n_estimators=120;, score=0.
142 total time= 12.6s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_lea
af_nodes=9, min_samples_leaf=25, min_samples_split=11, n_estimators=120;, score=0.
116 total time= 12.8s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_lea
af_nodes=9, min_samples_leaf=25, min_samples_split=11, n_estimators=120;, score=0.
116 total time= 12.7s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_lea
af_nodes=9, min_samples_leaf=25, min_samples_split=11, n_estimators=120;, score=0.
140 total time= 12.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=7, min_samples_leaf=24, min_samples_split=8, n_estimators=137;, score=0.12
1 total time= 13.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=7, min_samples_leaf=24, min_samples_split=8, n_estimators=137;, score=0.12
0 total time= 12.8s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=7, min_samples_leaf=24, min_samples_split=8, n_estimators=137;, score=0.10
6 total time= 12.8s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=7, min_samples_leaf=24, min_samples_split=8, n_estimators=137;, score=0.10
7 total time= 13.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=7, min_samples_leaf=24, min_samples_split=8, n_estimators=137;, score=0.13
1 total time= 13.0s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=16, min_samples_leaf=17, min_samples_split=9, n_estimators=13;, score=0.
075 total time= 2.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=16, min_samples_leaf=17, min_samples_split=9, n_estimators=13;, score=0.
074 total time= 2.5s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=16, min_samples_leaf=17, min_samples_split=9, n_estimators=13;, score=0.
068 total time= 2.5s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=16, min_samples_leaf=17, min_samples_split=9, n_estimators=13;, score=0.
080 total time= 2.5s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=16, min_samples_leaf=17, min_samples_split=9, n_estimators=13;, score=0.
116 total time= 2.7s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=12, min_samples_leaf=3, min_samples_split=11, n_estimators=182;, score=
0.085 total time= 30.2s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=12, min_samples_leaf=3, min_samples_split=11, n_estimators=182;, score=
0.089 total time= 30.1s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=12, min_samples_leaf=3, min_samples_split=11, n_estimators=182;, score=
0.091 total time= 32.7s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=12, min_samples_leaf=3, min_samples_split=11, n_estimators=182;, score=
0.073 total time= 30.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=12, min_samples_leaf=3, min_samples_split=11, n_estimators=182;, score=
0.086 total time= 30.2s
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[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le  
af_nodes=19, min_samples_leaf=7, min_samples_split=6, n_estimators=275;, score=0.1  
09 total time= 23.7s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le  
af_nodes=19, min_samples_leaf=7, min_samples_split=6, n_estimators=275;, score=0.1  
27 total time= 23.7s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le  
af_nodes=19, min_samples_leaf=7, min_samples_split=6, n_estimators=275;, score=0.1  
06 total time= 23.7s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le  
af_nodes=19, min_samples_leaf=7, min_samples_split=6, n_estimators=275;, score=0.1  
03 total time= 23.7s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le  
af_nodes=19, min_samples_leaf=7, min_samples_split=6, n_estimators=275;, score=0.1  
13 total time= 23.7s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=20, min_samples_leaf=4, min_samples_split=14, n_estimators=37;, score=0.1  
33 total time= 7.7s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=20, min_samples_leaf=4, min_samples_split=14, n_estimators=37;, score=-0.  
061 total time= 7.3s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=20, min_samples_leaf=4, min_samples_split=14, n_estimators=37;, score=0.0  
50 total time= 7.7s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=20, min_samples_leaf=4, min_samples_split=14, n_estimators=37;, score=0.0  
71 total time= 8.1s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=20, min_samples_leaf=4, min_samples_split=14, n_estimators=37;, score=0.0  
85 total time= 7.8s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le  
af_nodes=22, min_samples_leaf=17, min_samples_split=9, n_estimators=269;, score=0.  
096 total time= 56.8s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le  
af_nodes=22, min_samples_leaf=17, min_samples_split=9, n_estimators=269;, score=0.  
074 total time= 1.0min  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le  
af_nodes=22, min_samples_leaf=17, min_samples_split=9, n_estimators=269;, score=0.  
094 total time= 1.0min  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le  
af_nodes=22, min_samples_leaf=17, min_samples_split=9, n_estimators=269;, score=0.  
087 total time= 59.8s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le  
af_nodes=22, min_samples_leaf=17, min_samples_split=9, n_estimators=269;, score=0.  
128 total time= 59.6s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le  
af_nodes=15, min_samples_leaf=20, min_samples_split=18, n_estimators=266;, score=0.  
154 total time= 35.8s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le  
af_nodes=15, min_samples_leaf=20, min_samples_split=18, n_estimators=266;, score=0.  
168 total time= 36.2s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le  
af_nodes=15, min_samples_leaf=20, min_samples_split=18, n_estimators=266;, score=0.  
133 total time= 36.0s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le  
af_nodes=15, min_samples_leaf=20, min_samples_split=18, n_estimators=266;, score=0.  
144 total time= 36.4s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le  
af_nodes=15, min_samples_leaf=20, min_samples_split=18, n_estimators=266;, score=0.  
176 total time= 36.5s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=9, min_samples_leaf=1, min_samples_split=7, n_estimators=193;, score=-0.0  
20 total time= 30.5s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
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af_nodes=9, min_samples_leaf=1, min_samples_split=7, n_estimators=193;, score=0.00
2 total time= 33.5s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=9, min_samples_leaf=1, min_samples_split=7, n_estimators=193;, score=0.06
9 total time= 32.3s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=9, min_samples_leaf=1, min_samples_split=7, n_estimators=193;, score=-0.0
36 total time= 28.2s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=9, min_samples_leaf=1, min_samples_split=7, n_estimators=193;, score=0.08
1 total time= 27.7s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=8, min_samples_leaf=17, min_samples_split=16, n_estimators=222;, score=
0.086 total time= 38.0s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=8, min_samples_leaf=17, min_samples_split=16, n_estimators=222;, score=
0.072 total time= 38.6s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=8, min_samples_leaf=17, min_samples_split=16, n_estimators=222;, score=
0.067 total time= 39.1s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=8, min_samples_leaf=17, min_samples_split=16, n_estimators=222;, score=
0.052 total time= 34.2s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=8, min_samples_leaf=17, min_samples_split=16, n_estimators=222;, score=
0.106 total time= 36.3s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=23, min_samples_leaf=7, min_samples_split=15, n_estimators=187;, score=0.
157 total time= 31.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=23, min_samples_leaf=7, min_samples_split=15, n_estimators=187;, score=0.
184 total time= 31.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=23, min_samples_leaf=7, min_samples_split=15, n_estimators=187;, score=0.
155 total time= 31.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=23, min_samples_leaf=7, min_samples_split=15, n_estimators=187;, score=0.
156 total time= 28.7s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=23, min_samples_leaf=7, min_samples_split=15, n_estimators=187;, score=0.
182 total time= 28.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=6, min_samples_leaf=29, min_samples_split=9, n_estimators=297;, score=0.1
13 total time= 28.0s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=6, min_samples_leaf=29, min_samples_split=9, n_estimators=297;, score=0.1
15 total time= 27.3s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=6, min_samples_leaf=29, min_samples_split=9, n_estimators=297;, score=0.1
01 total time= 27.8s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=6, min_samples_leaf=29, min_samples_split=9, n_estimators=297;, score=0.0
97 total time= 27.2s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=6, min_samples_leaf=29, min_samples_split=9, n_estimators=297;, score=0.1
18 total time= 27.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=29, min_samples_split=14, n_estimators=134;, score=
0.087 total time= 22.9s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=29, min_samples_split=14, n_estimators=134;, score=
0.073 total time= 22.9s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=29, min_samples_split=14, n_estimators=134;, score=
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0.078 total time= 25.9s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=29, min_samples_split=14, n_estimators=134;, score=
0.085 total time= 24.1s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=29, min_samples_split=14, n_estimators=134;, score=
0.101 total time= 24.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=21, min_samples_leaf=7, min_samples_split=19, n_estimators=294;, score=0.
074 total time= 1.1min
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=21, min_samples_leaf=7, min_samples_split=19, n_estimators=294;, score=0.
037 total time= 1.0min
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=21, min_samples_leaf=7, min_samples_split=19, n_estimators=294;, score=0.
066 total time= 1.0min
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=21, min_samples_leaf=7, min_samples_split=19, n_estimators=294;, score=0.
069 total time= 1.1min
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=21, min_samples_leaf=7, min_samples_split=19, n_estimators=294;, score=0.
104 total time= 1.1min
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=13, min_samples_leaf=21, min_samples_split=17, n_estimators=297;, score=
0.144 total time= 36.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=13, min_samples_leaf=21, min_samples_split=17, n_estimators=297;, score=
0.156 total time= 36.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=13, min_samples_leaf=21, min_samples_split=17, n_estimators=297;, score=
0.126 total time= 36.0s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=13, min_samples_leaf=21, min_samples_split=17, n_estimators=297;, score=
0.137 total time= 36.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=13, min_samples_leaf=21, min_samples_split=17, n_estimators=297;, score=
0.166 total time= 37.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=13, min_samples_leaf=6, min_samples_split=13, n_estimators=148;, score=0.
137 total time= 18.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=13, min_samples_leaf=6, min_samples_split=13, n_estimators=148;, score=0.
151 total time= 18.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=13, min_samples_leaf=6, min_samples_split=13, n_estimators=148;, score=0.
124 total time= 18.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=13, min_samples_leaf=6, min_samples_split=13, n_estimators=148;, score=0.
125 total time= 18.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=13, min_samples_leaf=6, min_samples_split=13, n_estimators=148;, score=0.
150 total time= 18.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=18, min_samples_leaf=23, min_samples_split=11, n_estimators=25;, score=0.
157 total time= 3.3s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=18, min_samples_leaf=23, min_samples_split=11, n_estimators=25;, score=0.
179 total time= 3.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=18, min_samples_leaf=23, min_samples_split=11, n_estimators=25;, score=0.
144 total time= 3.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=18, min_samples_leaf=23, min_samples_split=11, n_estimators=25;, score=0.
152 total time= 3.4s
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[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=18, min_samples_leaf=23, min_samples_split=11, n_estimators=25;, score=0.185 total time= 3.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_leaf_nodes=14, min_samples_leaf=11, min_samples_split=14, n_estimators=41;, score=0.143 total time= 5.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_leaf_nodes=14, min_samples_leaf=11, min_samples_split=14, n_estimators=41;, score=0.149 total time= 5.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_leaf_nodes=14, min_samples_leaf=11, min_samples_split=14, n_estimators=41;, score=0.124 total time= 5.0s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_leaf_nodes=14, min_samples_leaf=11, min_samples_split=14, n_estimators=41;, score=0.130 total time= 5.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_leaf_nodes=14, min_samples_leaf=11, min_samples_split=14, n_estimators=41;, score=0.165 total time= 5.3s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_leaf_nodes=12, min_samples_leaf=11, min_samples_split=13, n_estimators=249;, score=0.136 total time= 32.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_leaf_nodes=12, min_samples_leaf=11, min_samples_split=13, n_estimators=249;, score=0.143 total time= 30.8s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_leaf_nodes=12, min_samples_leaf=11, min_samples_split=13, n_estimators=249;, score=0.122 total time= 30.8s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_leaf_nodes=12, min_samples_leaf=11, min_samples_split=13, n_estimators=249;, score=0.138 total time= 31.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_leaf_nodes=12, min_samples_leaf=11, min_samples_split=13, n_estimators=249;, score=0.154 total time= 33.0s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_leaf_nodes=21, min_samples_leaf=18, min_samples_split=15, n_estimators=314;, score=0.096 total time= 48.1s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_leaf_nodes=21, min_samples_leaf=18, min_samples_split=15, n_estimators=314;, score=0.100 total time= 47.8s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_leaf_nodes=21, min_samples_leaf=18, min_samples_split=15, n_estimators=314;, score=0.078 total time= 47.0s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_leaf_nodes=21, min_samples_leaf=18, min_samples_split=15, n_estimators=314;, score=0.088 total time= 46.6s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_leaf_nodes=21, min_samples_leaf=18, min_samples_split=15, n_estimators=314;, score=0.078 total time= 44.9s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=9, min_samples_leaf=16, min_samples_split=19, n_estimators=139;, score=0.092 total time= 24.8s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=9, min_samples_leaf=16, min_samples_split=19, n_estimators=139;, score=0.069 total time= 25.4s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=9, min_samples_leaf=16, min_samples_split=19, n_estimators=139;, score=0.065 total time= 22.7s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=9, min_samples_leaf=16, min_samples_split=19, n_estimators=139;, score=0.058 total time= 25.6s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=9, min_samples_leaf=16, min_samples_split=19, n_estimators=139;, score=0.092 total time= 23.3s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
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f_nodes=6, min_samples_leaf=28, min_samples_split=10, n_estimators=47;, score=0.11
4 total time= 4.7s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=6, min_samples_leaf=28, min_samples_split=10, n_estimators=47;, score=0.11
2 total time= 4.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=6, min_samples_leaf=28, min_samples_split=10, n_estimators=47;, score=0.09
9 total time= 4.8s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=6, min_samples_leaf=28, min_samples_split=10, n_estimators=47;, score=0.09
6 total time= 5.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=6, min_samples_leaf=28, min_samples_split=10, n_estimators=47;, score=0.12
1 total time= 5.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=15, min_samples_leaf=2, min_samples_split=12, n_estimators=168;, score=0.0
78 total time= 10.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=15, min_samples_leaf=2, min_samples_split=12, n_estimators=168;, score=0.0
94 total time= 10.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=15, min_samples_leaf=2, min_samples_split=12, n_estimators=168;, score=0.0
82 total time= 10.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=15, min_samples_leaf=2, min_samples_split=12, n_estimators=168;, score=0.0
77 total time= 9.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=15, min_samples_leaf=2, min_samples_split=12, n_estimators=168;, score=0.0
84 total time= 9.7s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=23, min_samples_leaf=10, min_samples_split=11, n_estimators=32;, score=0.
162 total time= 4.5s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=23, min_samples_leaf=10, min_samples_split=11, n_estimators=32;, score=0.
172 total time= 4.5s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=23, min_samples_leaf=10, min_samples_split=11, n_estimators=32;, score=0.
144 total time= 4.5s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=23, min_samples_leaf=10, min_samples_split=11, n_estimators=32;, score=0.
160 total time= 4.5s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=23, min_samples_leaf=10, min_samples_split=11, n_estimators=32;, score=0.
185 total time= 4.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=14, min_samples_leaf=16, min_samples_split=19, n_estimators=168;, score=0.
142 total time= 21.0s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=14, min_samples_leaf=16, min_samples_split=19, n_estimators=168;, score=0.
159 total time= 21.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=14, min_samples_leaf=16, min_samples_split=19, n_estimators=168;, score=0.
136 total time= 21.5s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=14, min_samples_leaf=16, min_samples_split=19, n_estimators=168;, score=0.
137 total time= 21.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=14, min_samples_leaf=16, min_samples_split=19, n_estimators=168;, score=0.
165 total time= 20.9s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=24, min_samples_split=13, n_estimators=313;, score=0.1
30 total time= 33.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=24, min_samples_split=13, n_estimators=313;, score=0.1
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37 total time= 32.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=24, min_samples_split=13, n_estimators=313;, score=0.1
13 total time= 33.0s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=24, min_samples_split=13, n_estimators=313;, score=0.1
19 total time= 33.6s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=9, min_samples_leaf=24, min_samples_split=13, n_estimators=313;, score=0.1
45 total time= 33.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=7, min_samples_leaf=3, min_samples_split=6, n_estimators=24;, score=0.103
total time= 2.3s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=7, min_samples_leaf=3, min_samples_split=6, n_estimators=24;, score=0.092
total time= 2.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=7, min_samples_leaf=3, min_samples_split=6, n_estimators=24;, score=0.095
total time= 2.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=7, min_samples_leaf=3, min_samples_split=6, n_estimators=24;, score=0.092
total time= 2.2s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=7, min_samples_leaf=3, min_samples_split=6, n_estimators=24;, score=0.111
total time= 2.1s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=6, min_samples_leaf=13, min_samples_split=6, n_estimators=74;, score=0.103
total time= 6.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=6, min_samples_leaf=13, min_samples_split=6, n_estimators=74;, score=0.115
total time= 6.3s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=6, min_samples_leaf=13, min_samples_split=6, n_estimators=74;, score=0.098
total time= 6.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=6, min_samples_leaf=13, min_samples_split=6, n_estimators=74;, score=0.095
total time= 6.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=6, min_samples_leaf=13, min_samples_split=6, n_estimators=74;, score=0.113
total time= 6.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=3, min_samples_split=19, n_estimators=231;, score=
0.090 total time= 41.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=3, min_samples_split=19, n_estimators=231;, score=
0.099 total time= 41.5s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=3, min_samples_split=19, n_estimators=231;, score=
0.095 total time= 41.5s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=3, min_samples_split=19, n_estimators=231;, score=
0.081 total time= 41.6s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=3, min_samples_split=19, n_estimators=231;, score=
0.094 total time= 46.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=7, min_samples_leaf=2, min_samples_split=8, n_estimators=334;, score=0.09
8 total time= 33.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=7, min_samples_leaf=2, min_samples_split=8, n_estimators=334;, score=0.11
8 total time= 32.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=7, min_samples_leaf=2, min_samples_split=8, n_estimators=334;, score=0.09
8 total time= 32.6s
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[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_1e  
af_nodes=7, min_samples_leaf=2, min_samples_split=8, n_estimators=334;, score=0.09  
4 total time= 32.5s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_1e  
af_nodes=7, min_samples_leaf=2, min_samples_split=8, n_estimators=334;, score=0.10  
8 total time= 32.5s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_1e  
af_nodes=18, min_samples_leaf=9, min_samples_split=6, n_estimators=329;, score=0.0  
96 total time= 49.0s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_1e  
af_nodes=18, min_samples_leaf=9, min_samples_split=6, n_estimators=329;, score=0.1  
00 total time= 48.3s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_1e  
af_nodes=18, min_samples_leaf=9, min_samples_split=6, n_estimators=329;, score=0.1  
08 total time= 50.9s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_1e  
af_nodes=18, min_samples_leaf=9, min_samples_split=6, n_estimators=329;, score=0.0  
88 total time= 45.1s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_1e  
af_nodes=18, min_samples_leaf=9, min_samples_split=6, n_estimators=329;, score=0.0  
78 total time= 52.2s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_1e  
af_nodes=14, min_samples_leaf=8, min_samples_split=14, n_estimators=282;, score=0.  
094 total time= 1.0min  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_1e  
af_nodes=14, min_samples_leaf=8, min_samples_split=14, n_estimators=282;, score=0.  
067 total time= 58.8s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_1e  
af_nodes=14, min_samples_leaf=8, min_samples_split=14, n_estimators=282;, score=0.  
087 total time= 1.1min  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_1e  
af_nodes=14, min_samples_leaf=8, min_samples_split=14, n_estimators=282;, score=0.  
046 total time= 1.0min  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_1e  
af_nodes=14, min_samples_leaf=8, min_samples_split=14, n_estimators=282;, score=0.  
100 total time= 57.6s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_1e  
af_nodes=13, min_samples_leaf=17, min_samples_split=12, n_estimators=93;, score=0.  
083 total time= 5.8s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_1e  
af_nodes=13, min_samples_leaf=17, min_samples_split=12, n_estimators=93;, score=0.  
100 total time= 5.8s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_1e  
af_nodes=13, min_samples_leaf=17, min_samples_split=12, n_estimators=93;, score=0.  
083 total time= 5.7s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_1e  
af_nodes=13, min_samples_leaf=17, min_samples_split=12, n_estimators=93;, score=0.  
077 total time= 5.8s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_1e  
af_nodes=13, min_samples_leaf=17, min_samples_split=12, n_estimators=93;, score=0.  
082 total time= 5.8s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_1e  
af_nodes=3, min_samples_leaf=23, min_samples_split=18, n_estimators=120;, score=0.  
064 total time= 14.4s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_1e  
af_nodes=3, min_samples_leaf=23, min_samples_split=18, n_estimators=120;, score=0.  
061 total time= 14.2s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_1e  
af_nodes=3, min_samples_leaf=23, min_samples_split=18, n_estimators=120;, score=0.  
064 total time= 14.6s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_1e  
af_nodes=3, min_samples_leaf=23, min_samples_split=18, n_estimators=120;, score=0.  
052 total time= 14.2s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_1e
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eaf_nodes=3, min_samples_leaf=23, min_samples_split=18, n_estimators=120;, score=0.066 total time= 14.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=20, min_samples_leaf=12, min_samples_split=18, n_estimators=127;, score=0.071 total time= 28.6s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=20, min_samples_leaf=12, min_samples_split=18, n_estimators=127;, score=0.078 total time= 30.9s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=20, min_samples_leaf=12, min_samples_split=18, n_estimators=127;, score=0.060 total time= 31.5s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=20, min_samples_leaf=12, min_samples_split=18, n_estimators=127;, score=0.073 total time= 34.1s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=20, min_samples_leaf=12, min_samples_split=18, n_estimators=127;, score=0.100 total time= 31.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=22, min_samples_leaf=7, min_samples_split=15, n_estimators=121;, score=0.156 total time= 21.0s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=22, min_samples_leaf=7, min_samples_split=15, n_estimators=121;, score=0.179 total time= 21.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=22, min_samples_leaf=7, min_samples_split=15, n_estimators=121;, score=0.151 total time= 20.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=22, min_samples_leaf=7, min_samples_split=15, n_estimators=121;, score=0.149 total time= 19.0s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=22, min_samples_leaf=7, min_samples_split=15, n_estimators=121;, score=0.177 total time= 18.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=8, min_samples_leaf=1, min_samples_split=16, n_estimators=350;, score=-0.025 total time= 52.8s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=8, min_samples_leaf=1, min_samples_split=16, n_estimators=350;, score=-0.011 total time= 53.5s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=8, min_samples_leaf=1, min_samples_split=16, n_estimators=350;, score=0.062 total time= 54.2s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=8, min_samples_leaf=1, min_samples_split=16, n_estimators=350;, score=-0.022 total time= 51.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=8, min_samples_leaf=1, min_samples_split=16, n_estimators=350;, score=0.067 total time= 48.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=26, min_samples_split=15, n_estimators=16;, score=0.096 total time= 2.2s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=26, min_samples_split=15, n_estimators=16;, score=0.100 total time= 2.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=26, min_samples_split=15, n_estimators=16;, score=0.077 total time= 2.2s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=26, min_samples_split=15, n_estimators=16;, score=0.088 total time= 2.2s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=26, min_samples_split=15, n_estimators=16;, score=0.078 total time= 2.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=19, min_samples_leaf=7, min_samples_split=6, n_estimators=172;, score=0.
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081 total time= 37.6s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=19, min_samples_leaf=7, min_samples_split=6, n_estimators=172;, score=-0.013 total time= 35.9s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=19, min_samples_leaf=7, min_samples_split=6, n_estimators=172;, score=0.057 total time= 36.2s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=19, min_samples_leaf=7, min_samples_split=6, n_estimators=172;, score=0.068 total time= 38.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=19, min_samples_leaf=7, min_samples_split=6, n_estimators=172;, score=0.107 total time= 37.9s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=12, min_samples_split=12, n_estimators=330;, score=0.141 total time= 42.8s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=12, min_samples_split=12, n_estimators=330;, score=0.155 total time= 42.2s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=12, min_samples_split=12, n_estimators=330;, score=0.131 total time= 42.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=12, min_samples_split=12, n_estimators=330;, score=0.132 total time= 43.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=12, min_samples_split=12, n_estimators=330;, score=0.162 total time= 42.9s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=14, min_samples_leaf=7, min_samples_split=6, n_estimators=316;, score=0.069 total time= 29.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=14, min_samples_leaf=7, min_samples_split=6, n_estimators=316;, score=0.074 total time= 29.5s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=14, min_samples_leaf=7, min_samples_split=6, n_estimators=316;, score=0.064 total time= 29.5s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=14, min_samples_leaf=7, min_samples_split=6, n_estimators=316;, score=0.061 total time= 29.5s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=14, min_samples_leaf=7, min_samples_split=6, n_estimators=316;, score=0.071 total time= 29.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=3, min_samples_leaf=23, min_samples_split=17, n_estimators=64;, score=0.076 total time= 5.1s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=3, min_samples_leaf=23, min_samples_split=17, n_estimators=64;, score=0.084 total time= 5.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=3, min_samples_leaf=23, min_samples_split=17, n_estimators=64;, score=0.078 total time= 5.0s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=3, min_samples_leaf=23, min_samples_split=17, n_estimators=64;, score=0.069 total time= 5.0s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=3, min_samples_leaf=23, min_samples_split=17, n_estimators=64;, score=0.073 total time= 4.9s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=18, min_samples_leaf=2, min_samples_split=12, n_estimators=180;, score=0.139 total time= 26.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=18, min_samples_leaf=2, min_samples_split=12, n_estimators=180;, score=0.155 total time= 26.2s
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[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=18, min_samples_leaf=2, min_samples_split=12, n_estimators=180;, score=0.133 total time= 26.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=18, min_samples_leaf=2, min_samples_split=12, n_estimators=180;, score=0.123 total time= 26.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=18, min_samples_leaf=2, min_samples_split=12, n_estimators=180;, score=0.158 total time= 26.1s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=16, min_samples_leaf=11, min_samples_split=11, n_estimators=234;, score=0.071 total time= 45.9s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=16, min_samples_leaf=11, min_samples_split=11, n_estimators=234;, score=0.068 total time= 48.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=16, min_samples_leaf=11, min_samples_split=11, n_estimators=234;, score=0.062 total time= 48.4s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=16, min_samples_leaf=11, min_samples_split=11, n_estimators=234;, score=0.064 total time= 49.1s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=16, min_samples_leaf=11, min_samples_split=11, n_estimators=234;, score=0.079 total time= 48.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=13, min_samples_leaf=8, min_samples_split=16, n_estimators=185;, score=0.069 total time= 17.3s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=13, min_samples_leaf=8, min_samples_split=16, n_estimators=185;, score=0.074 total time= 17.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=13, min_samples_leaf=8, min_samples_split=16, n_estimators=185;, score=0.064 total time= 17.2s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=13, min_samples_leaf=8, min_samples_split=16, n_estimators=185;, score=0.061 total time= 17.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=13, min_samples_leaf=8, min_samples_split=16, n_estimators=185;, score=0.071 total time= 17.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=6, min_samples_leaf=24, min_samples_split=6, n_estimators=155;, score=0.086 total time= 22.0s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=6, min_samples_leaf=24, min_samples_split=6, n_estimators=155;, score=0.076 total time= 23.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=6, min_samples_leaf=24, min_samples_split=6, n_estimators=155;, score=0.068 total time= 22.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=6, min_samples_leaf=24, min_samples_split=6, n_estimators=155;, score=0.058 total time= 21.8s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=6, min_samples_leaf=24, min_samples_split=6, n_estimators=155;, score=0.080 total time= 19.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=1, min_samples_split=10, n_estimators=174;, score=0.098 total time= 16.0s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=1, min_samples_split=10, n_estimators=174;, score=0.118 total time= 15.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=1, min_samples_split=10, n_estimators=174;, score=0.098 total time= 15.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=1, min_samples_split=10, n_estimators=174;, score=0.100 total time= 15.9s
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af_nodes=10, min_samples_leaf=1, min_samples_split=10, n_estimators=174;, score=0.
095 total time= 15.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=10, min_samples_leaf=1, min_samples_split=10, n_estimators=174;, score=0.
104 total time= 16.0s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=24, min_samples_leaf=4, min_samples_split=6, n_estimators=285;, score=0.
069 total time= 26.6s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=24, min_samples_leaf=4, min_samples_split=6, n_estimators=285;, score=0.
074 total time= 26.6s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=24, min_samples_leaf=4, min_samples_split=6, n_estimators=285;, score=0.
064 total time= 26.6s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=24, min_samples_leaf=4, min_samples_split=6, n_estimators=285;, score=0.
061 total time= 26.6s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=24, min_samples_leaf=4, min_samples_split=6, n_estimators=285;, score=0.
071 total time= 26.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=3, min_samples_leaf=29, min_samples_split=16, n_estimators=345;, score=0.
076 total time= 27.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=3, min_samples_leaf=29, min_samples_split=16, n_estimators=345;, score=0.
085 total time= 27.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=3, min_samples_leaf=29, min_samples_split=16, n_estimators=345;, score=0.
077 total time= 27.8s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=3, min_samples_leaf=29, min_samples_split=16, n_estimators=345;, score=0.
068 total time= 26.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=3, min_samples_leaf=29, min_samples_split=16, n_estimators=345;, score=0.
074 total time= 26.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=22, min_samples_leaf=1, min_samples_split=7, n_estimators=22;, score=0.12
4 total time= 3.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=22, min_samples_leaf=1, min_samples_split=7, n_estimators=22;, score=0.13
1 total time= 3.3s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=22, min_samples_leaf=1, min_samples_split=7, n_estimators=22;, score=0.12
7 total time= 3.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=22, min_samples_leaf=1, min_samples_split=7, n_estimators=22;, score=0.10
5 total time= 3.2s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=22, min_samples_leaf=1, min_samples_split=7, n_estimators=22;, score=0.14
0 total time= 3.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=1, min_samples_split=15, n_estimators=153;, score=-
0.030 total time= 30.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=1, min_samples_split=15, n_estimators=153;, score=0.
013 total time= 30.6s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=1, min_samples_split=15, n_estimators=153;, score=0.
091 total time= 34.4s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=1, min_samples_split=15, n_estimators=153;, score=-
0.048 total time= 34.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=1, min_samples_split=15, n_estimators=153;, score=0.

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009 total time= 31.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=12, min_samples_leaf=22, min_samples_split=18, n_estimators=244;, score=
0.148 total time= 33.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=12, min_samples_leaf=22, min_samples_split=18, n_estimators=244;, score=
0.158 total time= 32.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=12, min_samples_leaf=22, min_samples_split=18, n_estimators=244;, score=
0.126 total time= 30.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=12, min_samples_leaf=22, min_samples_split=18, n_estimators=244;, score=
0.132 total time= 30.2s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=12, min_samples_leaf=22, min_samples_split=18, n_estimators=244;, score=
0.160 total time= 30.0s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=22, min_samples_leaf=1, min_samples_split=11, n_estimators=233;, score=0.
131 total time= 35.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=22, min_samples_leaf=1, min_samples_split=11, n_estimators=233;, score=0.
137 total time= 36.7s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=22, min_samples_leaf=1, min_samples_split=11, n_estimators=233;, score=0.
133 total time= 38.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=22, min_samples_leaf=1, min_samples_split=11, n_estimators=233;, score=0.
114 total time= 38.7s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=22, min_samples_leaf=1, min_samples_split=11, n_estimators=233;, score=0.
157 total time= 37.7s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=23, min_samples_leaf=7, min_samples_split=10, n_estimators=325;, score=0.1
53 total time= 47.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=23, min_samples_leaf=7, min_samples_split=10, n_estimators=325;, score=0.1
80 total time= 47.7s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=23, min_samples_leaf=7, min_samples_split=10, n_estimators=325;, score=0.1
51 total time= 49.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=23, min_samples_leaf=7, min_samples_split=10, n_estimators=325;, score=0.1
48 total time= 47.0s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=23, min_samples_leaf=7, min_samples_split=10, n_estimators=325;, score=0.1
76 total time= 47.1s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=19, min_samples_leaf=3, min_samples_split=6, n_estimators=253;, score=0.1
02 total time= 53.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=19, min_samples_leaf=3, min_samples_split=6, n_estimators=253;, score=0.0
32 total time= 53.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=19, min_samples_leaf=3, min_samples_split=6, n_estimators=253;, score=0.0
45 total time= 54.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=19, min_samples_leaf=3, min_samples_split=6, n_estimators=253;, score=0.0
54 total time= 57.9s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=19, min_samples_leaf=3, min_samples_split=6, n_estimators=253;, score=0.0
33 total time= 55.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le
af_nodes=3, min_samples_leaf=23, min_samples_split=10, n_estimators=223;, score=0.
064 total time= 27.5s
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[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=3, min_samples_leaf=23, min_samples_split=10, n_estimators=223;, score=0.  
061 total time= 27.2s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=3, min_samples_leaf=23, min_samples_split=10, n_estimators=223;, score=0.  
064 total time= 27.9s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=3, min_samples_leaf=23, min_samples_split=10, n_estimators=223;, score=0.  
052 total time= 27.5s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=3, min_samples_leaf=23, min_samples_split=10, n_estimators=223;, score=0.  
066 total time= 27.5s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=6, min_samples_leaf=4, min_samples_split=12, n_estimators=19;, score=0.08  
6 total time= 3.0s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=6, min_samples_leaf=4, min_samples_split=12, n_estimators=19;, score=0.06  
3 total time= 2.7s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=6, min_samples_leaf=4, min_samples_split=12, n_estimators=19;, score=0.06  
0 total time= 2.7s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=6, min_samples_leaf=4, min_samples_split=12, n_estimators=19;, score=0.02  
0 total time= 2.7s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=6, min_samples_leaf=4, min_samples_split=12, n_estimators=19;, score=0.07  
1 total time= 2.7s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l  
eaf_nodes=9, min_samples_leaf=24, min_samples_split=13, n_estimators=190;, score=0.  
092 total time= 34.4s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l  
eaf_nodes=9, min_samples_leaf=24, min_samples_split=13, n_estimators=190;, score=0.  
069 total time= 32.9s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l  
eaf_nodes=9, min_samples_leaf=24, min_samples_split=13, n_estimators=190;, score=0.  
067 total time= 32.8s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l  
eaf_nodes=9, min_samples_leaf=24, min_samples_split=13, n_estimators=190;, score=0.  
081 total time= 32.5s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l  
eaf_nodes=9, min_samples_leaf=24, min_samples_split=13, n_estimators=190;, score=0.  
078 total time= 29.6s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=14, min_samples_leaf=11, min_samples_split=6, n_estimators=63;, score=0.0  
93 total time= 12.9s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=14, min_samples_leaf=11, min_samples_split=6, n_estimators=63;, score=0.0  
66 total time= 13.9s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=14, min_samples_leaf=11, min_samples_split=6, n_estimators=63;, score=0.0  
77 total time= 13.3s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=14, min_samples_leaf=11, min_samples_split=6, n_estimators=63;, score=0.0  
57 total time= 13.6s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_le  
af_nodes=14, min_samples_leaf=11, min_samples_split=6, n_estimators=63;, score=0.0  
75 total time= 13.4s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea  
f_nodes=20, min_samples_leaf=20, min_samples_split=17, n_estimators=30;, score=0.1  
10 total time= 2.8s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea  
f_nodes=20, min_samples_leaf=20, min_samples_split=17, n_estimators=30;, score=0.1  
30 total time= 2.9s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
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f_nodes=20, min_samples_leaf=20, min_samples_split=17, n_estimators=30;, score=0.1
04 total time= 2.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=20, min_samples_leaf=20, min_samples_split=17, n_estimators=30;, score=0.1
08 total time= 2.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=20, min_samples_leaf=20, min_samples_split=17, n_estimators=30;, score=0.1
21 total time= 2.9s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=6, min_samples_leaf=24, min_samples_split=13, n_estimators=148;, score=
0.086 total time= 22.9s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=6, min_samples_leaf=24, min_samples_split=13, n_estimators=148;, score=
0.048 total time= 20.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=6, min_samples_leaf=24, min_samples_split=13, n_estimators=148;, score=
0.060 total time= 20.7s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=6, min_samples_leaf=24, min_samples_split=13, n_estimators=148;, score=
0.058 total time= 21.9s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=6, min_samples_leaf=24, min_samples_split=13, n_estimators=148;, score=
0.080 total time= 20.5s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=3, min_samples_leaf=24, min_samples_split=8, n_estimators=163;, score=0.07
6 total time= 13.3s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=3, min_samples_leaf=24, min_samples_split=8, n_estimators=163;, score=0.08
5 total time= 13.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=3, min_samples_leaf=24, min_samples_split=8, n_estimators=163;, score=0.07
8 total time= 13.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=3, min_samples_leaf=24, min_samples_split=8, n_estimators=163;, score=0.06
7 total time= 13.0s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=3, min_samples_leaf=24, min_samples_split=8, n_estimators=163;, score=0.07
4 total time= 12.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=13, min_samples_leaf=9, min_samples_split=6, n_estimators=51;, score=0.14
5 total time= 6.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=13, min_samples_leaf=9, min_samples_split=6, n_estimators=51;, score=0.14
4 total time= 6.6s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=13, min_samples_leaf=9, min_samples_split=6, n_estimators=51;, score=0.12
6 total time= 6.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=13, min_samples_leaf=9, min_samples_split=6, n_estimators=51;, score=0.13
1 total time= 6.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=13, min_samples_leaf=9, min_samples_split=6, n_estimators=51;, score=0.15
6 total time= 7.0s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=13, min_samples_leaf=2, min_samples_split=14, n_estimators=181;, score=0.
128 total time= 25.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=13, min_samples_leaf=2, min_samples_split=14, n_estimators=181;, score=0.
143 total time= 24.8s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=13, min_samples_leaf=2, min_samples_split=14, n_estimators=181;, score=0.
119 total time= 25.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=13, min_samples_leaf=2, min_samples_split=14, n_estimators=181;, score=0.
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111 total time= 25.7s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=13, min_samples_leaf=2, min_samples_split=14, n_estimators=181;, score=0.
140 total time= 26.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=21, min_samples_leaf=5, min_samples_split=7, n_estimators=147;, score=0.1
47 total time= 23.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=21, min_samples_leaf=5, min_samples_split=7, n_estimators=147;, score=0.1
73 total time= 23.2s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=21, min_samples_leaf=5, min_samples_split=7, n_estimators=147;, score=0.1
44 total time= 23.5s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=21, min_samples_leaf=5, min_samples_split=7, n_estimators=147;, score=0.1
43 total time= 23.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=21, min_samples_leaf=5, min_samples_split=7, n_estimators=147;, score=0.1
68 total time= 23.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=9, min_samples_leaf=9, min_samples_split=19, n_estimators=202;, score=0.
092 total time= 37.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=9, min_samples_leaf=9, min_samples_split=19, n_estimators=202;, score=0.
069 total time= 38.5s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=9, min_samples_leaf=9, min_samples_split=19, n_estimators=202;, score=0.
055 total time= 33.9s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=9, min_samples_leaf=9, min_samples_split=19, n_estimators=202;, score=0.
044 total time= 38.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=9, min_samples_leaf=9, min_samples_split=19, n_estimators=202;, score=0.
067 total time= 35.0s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=9, min_samples_leaf=25, min_samples_split=15, n_estimators=28;, score=0.
092 total time= 5.1s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=9, min_samples_leaf=25, min_samples_split=15, n_estimators=28;, score=0.
069 total time= 5.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=9, min_samples_leaf=25, min_samples_split=15, n_estimators=28;, score=0.
067 total time= 5.2s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=9, min_samples_leaf=25, min_samples_split=15, n_estimators=28;, score=0.
081 total time= 5.2s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=9, min_samples_leaf=25, min_samples_split=15, n_estimators=28;, score=0.
078 total time= 4.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=11, min_samples_leaf=4, min_samples_split=7, n_estimators=90;, score=0.12
0 total time= 11.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=11, min_samples_leaf=4, min_samples_split=7, n_estimators=90;, score=0.14
0 total time= 11.2s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=11, min_samples_leaf=4, min_samples_split=7, n_estimators=90;, score=0.11
6 total time= 11.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=11, min_samples_leaf=4, min_samples_split=7, n_estimators=90;, score=0.11
8 total time= 11.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=11, min_samples_leaf=4, min_samples_split=7, n_estimators=90;, score=0.13
5 total time= 11.3s
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[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le  
af_nodes=7, min_samples_leaf=26, min_samples_split=7, n_estimators=337;, score=0.1  
19 total time= 36.1s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le  
af_nodes=7, min_samples_leaf=26, min_samples_split=7, n_estimators=337;, score=0.1  
21 total time= 35.1s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le  
af_nodes=7, min_samples_leaf=26, min_samples_split=7, n_estimators=337;, score=0.1  
05 total time= 32.4s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le  
af_nodes=7, min_samples_leaf=26, min_samples_split=7, n_estimators=337;, score=0.1  
04 total time= 33.5s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le  
af_nodes=7, min_samples_leaf=26, min_samples_split=7, n_estimators=337;, score=0.1  
28 total time= 33.5s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea  
f_nodes=11, min_samples_leaf=13, min_samples_split=19, n_estimators=187;, score=0.  
083 total time= 11.2s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea  
f_nodes=11, min_samples_leaf=13, min_samples_split=19, n_estimators=187;, score=0.  
096 total time= 11.3s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea  
f_nodes=11, min_samples_leaf=13, min_samples_split=19, n_estimators=187;, score=0.  
083 total time= 10.9s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea  
f_nodes=11, min_samples_leaf=13, min_samples_split=19, n_estimators=187;, score=0.  
079 total time= 10.9s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea  
f_nodes=11, min_samples_leaf=13, min_samples_split=19, n_estimators=187;, score=0.  
084 total time= 11.1s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea  
f_nodes=15, min_samples_leaf=3, min_samples_split=13, n_estimators=36;, score=0.10  
3 total time= 3.1s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea  
f_nodes=15, min_samples_leaf=3, min_samples_split=13, n_estimators=36;, score=0.11  
9 total time= 3.2s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea  
f_nodes=15, min_samples_leaf=3, min_samples_split=13, n_estimators=36;, score=0.10  
2 total time= 3.1s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea  
f_nodes=15, min_samples_leaf=3, min_samples_split=13, n_estimators=36;, score=0.10  
0 total time= 3.2s  
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea  
f_nodes=15, min_samples_leaf=3, min_samples_split=13, n_estimators=36;, score=0.11  
0 total time= 3.2s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=21, min_samples_leaf=19, min_samples_split=6, n_estimators=181;, score=0.  
095 total time= 42.6s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=21, min_samples_leaf=19, min_samples_split=6, n_estimators=181;, score=0.  
065 total time= 39.1s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=21, min_samples_leaf=19, min_samples_split=6, n_estimators=181;, score=0.  
066 total time= 41.9s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=21, min_samples_leaf=19, min_samples_split=6, n_estimators=181;, score=0.  
107 total time= 44.4s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le  
af_nodes=21, min_samples_leaf=19, min_samples_split=6, n_estimators=181;, score=0.  
122 total time= 44.2s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le  
af_nodes=16, min_samples_leaf=17, min_samples_split=14, n_estimators=36;, score=0.  
150 total time= 5.4s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
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af_nodes=16, min_samples_leaf=17, min_samples_split=14, n_estimators=36;, score=0.
169 total time= 5.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=16, min_samples_leaf=17, min_samples_split=14, n_estimators=36;, score=0.
134 total time= 6.2s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=16, min_samples_leaf=17, min_samples_split=14, n_estimators=36;, score=0.
144 total time= 5.6s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=16, min_samples_leaf=17, min_samples_split=14, n_estimators=36;, score=0.
173 total time= 5.3s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=16, min_samples_leaf=21, min_samples_split=11, n_estimators=198;, score=
0.140 total time= 25.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=16, min_samples_leaf=21, min_samples_split=11, n_estimators=198;, score=
0.159 total time= 27.6s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=16, min_samples_leaf=21, min_samples_split=11, n_estimators=198;, score=
0.136 total time= 27.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=16, min_samples_leaf=21, min_samples_split=11, n_estimators=198;, score=
0.131 total time= 26.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=16, min_samples_leaf=21, min_samples_split=11, n_estimators=198;, score=
0.156 total time= 27.1s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=13, min_samples_leaf=18, min_samples_split=16, n_estimators=52;, score=
0.096 total time= 7.7s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=13, min_samples_leaf=18, min_samples_split=16, n_estimators=52;, score=
0.100 total time= 7.8s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=13, min_samples_leaf=18, min_samples_split=16, n_estimators=52;, score=
0.078 total time= 7.7s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=13, min_samples_leaf=18, min_samples_split=16, n_estimators=52;, score=
0.088 total time= 7.7s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=13, min_samples_leaf=18, min_samples_split=16, n_estimators=52;, score=
0.078 total time= 8.0s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=3, min_samples_leaf=29, min_samples_split=8, n_estimators=92;, score=0.07
6 total time= 7.7s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=3, min_samples_leaf=29, min_samples_split=8, n_estimators=92;, score=0.08
3 total time= 7.7s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=3, min_samples_leaf=29, min_samples_split=8, n_estimators=92;, score=0.07
8 total time= 7.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=3, min_samples_leaf=29, min_samples_split=8, n_estimators=92;, score=0.06
9 total time= 7.7s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=3, min_samples_leaf=29, min_samples_split=8, n_estimators=92;, score=0.07
5 total time= 7.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=19, min_samples_leaf=16, min_samples_split=16, n_estimators=55;, score=0.1
62 total time= 8.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=19, min_samples_leaf=16, min_samples_split=16, n_estimators=55;, score=0.1
76 total time= 7.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=19, min_samples_leaf=16, min_samples_split=16, n_estimators=55;, score=0.1

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47 total time= 7.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=19, min_samples_leaf=16, min_samples_split=16, n_estimators=55;, score=0.1
56 total time= 7.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=1.0, max_lea
f_nodes=19, min_samples_leaf=16, min_samples_split=16, n_estimators=55;, score=0.1
85 total time= 7.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=20, min_samples_leaf=24, min_samples_split=10, n_estimators=27;, score=
0.096 total time= 3.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=20, min_samples_leaf=24, min_samples_split=10, n_estimators=27;, score=
0.100 total time= 3.5s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=20, min_samples_leaf=24, min_samples_split=10, n_estimators=27;, score=
0.077 total time= 3.5s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=20, min_samples_leaf=24, min_samples_split=10, n_estimators=27;, score=
0.088 total time= 3.5s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_l
eaf_nodes=20, min_samples_leaf=24, min_samples_split=10, n_estimators=27;, score=
0.078 total time= 3.5s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=9, min_samples_leaf=15, min_samples_split=12, n_estimators=323;, score=0.
128 total time= 34.0s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=9, min_samples_leaf=15, min_samples_split=12, n_estimators=323;, score=0.
133 total time= 32.5s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=9, min_samples_leaf=15, min_samples_split=12, n_estimators=323;, score=0.
118 total time= 33.0s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=9, min_samples_leaf=15, min_samples_split=12, n_estimators=323;, score=0.
116 total time= 33.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=9, min_samples_leaf=15, min_samples_split=12, n_estimators=323;, score=0.
142 total time= 35.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=18, min_samples_leaf=14, min_samples_split=13, n_estimators=102;, score=
0.109 total time= 19.9s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=18, min_samples_leaf=14, min_samples_split=13, n_estimators=102;, score=
0.095 total time= 20.8s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=18, min_samples_leaf=14, min_samples_split=13, n_estimators=102;, score=
0.093 total time= 20.2s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=18, min_samples_leaf=14, min_samples_split=13, n_estimators=102;, score=
0.087 total time= 20.8s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_l
eaf_nodes=18, min_samples_leaf=14, min_samples_split=13, n_estimators=102;, score=
0.120 total time= 20.8s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=19, min_samples_leaf=23, min_samples_split=6, n_estimators=342;, score=
0.073 total time= 1.3min
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=19, min_samples_leaf=23, min_samples_split=6, n_estimators=342;, score=
0.079 total time= 1.4min
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=19, min_samples_leaf=23, min_samples_split=6, n_estimators=342;, score=
0.068 total time= 1.4min
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=19, min_samples_leaf=23, min_samples_split=6, n_estimators=342;, score=
0.104 total time= 1.4min
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[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=19, min_samples_leaf=23, min_samples_split=6, n_estimators=342;, score=0.119 total time= 1.4min
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=3, min_samples_leaf=4, min_samples_split=15, n_estimators=261;, score=0.064 total time= 32.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=3, min_samples_leaf=4, min_samples_split=15, n_estimators=261;, score=0.061 total time= 30.7s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=3, min_samples_leaf=4, min_samples_split=15, n_estimators=261;, score=0.064 total time= 31.7s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=3, min_samples_leaf=4, min_samples_split=15, n_estimators=261;, score=0.052 total time= 30.9s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=3, min_samples_leaf=4, min_samples_split=15, n_estimators=261;, score=0.066 total time= 30.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=24, min_samples_leaf=28, min_samples_split=7, n_estimators=131;, score=0.113 total time= 12.0s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=24, min_samples_leaf=28, min_samples_split=7, n_estimators=131;, score=0.130 total time= 12.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=24, min_samples_leaf=28, min_samples_split=7, n_estimators=131;, score=0.105 total time= 11.5s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=24, min_samples_leaf=28, min_samples_split=7, n_estimators=131;, score=0.109 total time= 11.2s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=24, min_samples_leaf=28, min_samples_split=7, n_estimators=131;, score=0.118 total time= 11.5s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=22, min_samples_leaf=21, min_samples_split=16, n_estimators=253;, score=0.166 total time= 36.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=22, min_samples_leaf=21, min_samples_split=16, n_estimators=253;, score=0.191 total time= 36.2s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=22, min_samples_leaf=21, min_samples_split=16, n_estimators=253;, score=0.153 total time= 39.5s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=22, min_samples_leaf=21, min_samples_split=16, n_estimators=253;, score=0.163 total time= 41.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=22, min_samples_leaf=21, min_samples_split=16, n_estimators=253;, score=0.193 total time= 44.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=13, min_samples_leaf=30, min_samples_split=9, n_estimators=336;, score=0.150 total time= 46.7s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=13, min_samples_leaf=30, min_samples_split=9, n_estimators=336;, score=0.162 total time= 41.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=13, min_samples_leaf=30, min_samples_split=9, n_estimators=336;, score=0.126 total time= 42.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=13, min_samples_leaf=30, min_samples_split=9, n_estimators=336;, score=0.148 total time= 41.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=13, min_samples_leaf=30, min_samples_split=9, n_estimators=336;, score=0.170 total time= 41.1s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=13, min_samples_leaf=30, min_samples_split=9, n_estimators=336;, score=0.140 total time= 41.9s
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af_nodes=9, min_samples_leaf=17, min_samples_split=16, n_estimators=56;, score=0.1
24 total time= 5.8s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=9, min_samples_leaf=17, min_samples_split=16, n_estimators=56;, score=0.1
37 total time= 5.7s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=9, min_samples_leaf=17, min_samples_split=16, n_estimators=56;, score=0.1
16 total time= 5.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=9, min_samples_leaf=17, min_samples_split=16, n_estimators=56;, score=0.1
09 total time= 5.8s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_le
af_nodes=9, min_samples_leaf=17, min_samples_split=16, n_estimators=56;, score=0.1
37 total time= 5.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=1, min_samples_split=10, n_estimators=186;, score=0.1
18 total time= 22.5s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=1, min_samples_split=10, n_estimators=186;, score=0.1
02 total time= 21.6s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=1, min_samples_split=10, n_estimators=186;, score=0.1
10 total time= 22.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=1, min_samples_split=10, n_estimators=186;, score=0.0
89 total time= 21.8s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=1.0, max_lea
f_nodes=13, min_samples_leaf=1, min_samples_split=10, n_estimators=186;, score=0.1
34 total time= 22.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_le
af_nodes=14, min_samples_leaf=6, min_samples_split=18, n_estimators=125;, score=0.
083 total time= 7.1s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_le
af_nodes=14, min_samples_leaf=6, min_samples_split=18, n_estimators=125;, score=0.
095 total time= 7.3s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_le
af_nodes=14, min_samples_leaf=6, min_samples_split=18, n_estimators=125;, score=0.
083 total time= 7.2s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_le
af_nodes=14, min_samples_leaf=6, min_samples_split=18, n_estimators=125;, score=0.
077 total time= 7.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=None, max_le
af_nodes=14, min_samples_leaf=6, min_samples_split=18, n_estimators=125;, score=0.
085 total time= 7.1s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=20, min_samples_leaf=14, min_samples_split=10, n_estimators=318;, score=
0.162 total time= 43.3s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=20, min_samples_leaf=14, min_samples_split=10, n_estimators=318;, score=
0.179 total time= 43.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=20, min_samples_leaf=14, min_samples_split=10, n_estimators=318;, score=
0.144 total time= 43.2s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=20, min_samples_leaf=14, min_samples_split=10, n_estimators=318;, score=
0.155 total time= 43.5s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=20, min_samples_leaf=14, min_samples_split=10, n_estimators=318;, score=
0.186 total time= 43.5s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=16, min_samples_leaf=1, min_samples_split=19, n_estimators=44;, score=0.1
17 total time= 5.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=16, min_samples_leaf=1, min_samples_split=19, n_estimators=44;, score=0.1

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29 total time= 5.7s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_lea
af_nodes=16, min_samples_leaf=1, min_samples_split=19, n_estimators=44;, score=0.1
29 total time= 5.7s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_lea
af_nodes=16, min_samples_leaf=1, min_samples_split=19, n_estimators=44;, score=0.0
98 total time= 5.7s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_lea
af_nodes=16, min_samples_leaf=1, min_samples_split=19, n_estimators=44;, score=0.1
46 total time= 5.7s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=22, min_samples_leaf=23, min_samples_split=8, n_estimators=316;, score=0.1
61 total time= 43.5s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=22, min_samples_leaf=23, min_samples_split=8, n_estimators=316;, score=0.1
86 total time= 43.7s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=22, min_samples_leaf=23, min_samples_split=8, n_estimators=316;, score=0.1
54 total time= 44.2s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=22, min_samples_leaf=23, min_samples_split=8, n_estimators=316;, score=0.1
56 total time= 43.6s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=22, min_samples_leaf=23, min_samples_split=8, n_estimators=316;, score=0.1
86 total time= 43.4s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=8, min_samples_leaf=21, min_samples_split=7, n_estimators=277;, score=0.
069 total time= 24.3s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=8, min_samples_leaf=21, min_samples_split=7, n_estimators=277;, score=0.
074 total time= 24.4s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=8, min_samples_leaf=21, min_samples_split=7, n_estimators=277;, score=0.
064 total time= 24.3s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=8, min_samples_leaf=21, min_samples_split=7, n_estimators=277;, score=0.
061 total time= 24.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=8, min_samples_leaf=21, min_samples_split=7, n_estimators=277;, score=0.
071 total time= 24.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=23, min_samples_leaf=25, min_samples_split=13, n_estimators=54;, score=
0.079 total time= 11.9s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=23, min_samples_leaf=25, min_samples_split=13, n_estimators=54;, score=
0.062 total time= 11.5s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=23, min_samples_leaf=25, min_samples_split=13, n_estimators=54;, score=
0.059 total time= 11.9s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=23, min_samples_leaf=25, min_samples_split=13, n_estimators=54;, score=
0.099 total time= 12.1s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=23, min_samples_leaf=25, min_samples_split=13, n_estimators=54;, score=
0.120 total time= 12.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=4, min_samples_leaf=16, min_samples_split=13, n_estimators=278;, score=0.
090 total time= 22.5s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=4, min_samples_leaf=16, min_samples_split=13, n_estimators=278;, score=0.
098 total time= 22.2s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_le
af_nodes=4, min_samples_leaf=16, min_samples_split=13, n_estimators=278;, score=0.
089 total time= 22.8s

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[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_1
af_nodes=4, min_samples_leaf=16, min_samples_split=13, n_estimators=278;, score=0.
078 total time= 21.8s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_1
af_nodes=4, min_samples_leaf=16, min_samples_split=13, n_estimators=278;, score=0.
089 total time= 21.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_1
eaf_nodes=9, min_samples_leaf=7, min_samples_split=8, n_estimators=68;, score=0.09
3 total time= 10.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_1
eaf_nodes=9, min_samples_leaf=7, min_samples_split=8, n_estimators=68;, score=0.08
4 total time= 10.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_1
eaf_nodes=9, min_samples_leaf=7, min_samples_split=8, n_estimators=68;, score=0.08
0 total time= 11.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_1
eaf_nodes=9, min_samples_leaf=7, min_samples_split=8, n_estimators=68;, score=0.06
8 total time= 10.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_1
eaf_nodes=9, min_samples_leaf=7, min_samples_split=8, n_estimators=68;, score=0.08
9 total time= 10.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1
eaf_nodes=7, min_samples_leaf=5, min_samples_split=6, n_estimators=159;, score=0.0
81 total time= 22.3s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1
eaf_nodes=7, min_samples_leaf=5, min_samples_split=6, n_estimators=159;, score=0.0
57 total time= 19.6s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1
eaf_nodes=7, min_samples_leaf=5, min_samples_split=6, n_estimators=159;, score=0.0
60 total time= 20.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1
eaf_nodes=7, min_samples_leaf=5, min_samples_split=6, n_estimators=159;, score=-0.
011 total time= 19.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1
eaf_nodes=7, min_samples_leaf=5, min_samples_split=6, n_estimators=159;, score=0.0
79 total time= 21.1s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_1
af_nodes=24, min_samples_leaf=26, min_samples_split=14, n_estimators=242;, score=
0.170 total time= 35.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_1
af_nodes=24, min_samples_leaf=26, min_samples_split=14, n_estimators=242;, score=
0.196 total time= 35.3s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_1
af_nodes=24, min_samples_leaf=26, min_samples_split=14, n_estimators=242;, score=
0.160 total time= 35.2s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_1
af_nodes=24, min_samples_leaf=26, min_samples_split=14, n_estimators=242;, score=
0.170 total time= 36.6s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_1
af_nodes=24, min_samples_leaf=26, min_samples_split=14, n_estimators=242;, score=
0.201 total time= 35.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1
eaf_nodes=23, min_samples_leaf=21, min_samples_split=12, n_estimators=195;, score=
0.074 total time= 43.1s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1
eaf_nodes=23, min_samples_leaf=21, min_samples_split=12, n_estimators=195;, score=
0.068 total time= 41.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1
eaf_nodes=23, min_samples_leaf=21, min_samples_split=12, n_estimators=195;, score=
0.059 total time= 42.0s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1
eaf_nodes=23, min_samples_leaf=21, min_samples_split=12, n_estimators=195;, score=
0.094 total time= 42.9s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_1
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eaf_nodes=23, min_samples_leaf=21, min_samples_split=12, n_estimators=195;, score=0.127 total time= 42.3s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=24, min_samples_leaf=1, min_samples_split=7, n_estimators=190;, score=0.09
8 total time= 15.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=24, min_samples_leaf=1, min_samples_split=7, n_estimators=190;, score=0.11
7 total time= 15.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=24, min_samples_leaf=1, min_samples_split=7, n_estimators=190;, score=0.09
6 total time= 16.0s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=24, min_samples_leaf=1, min_samples_split=7, n_estimators=190;, score=0.08
6 total time= 15.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=24, min_samples_leaf=1, min_samples_split=7, n_estimators=190;, score=0.10
6 total time= 16.0s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=12, min_samples_leaf=22, min_samples_split=12, n_estimators=150;, score=
0.143 total time= 17.1s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=12, min_samples_leaf=22, min_samples_split=12, n_estimators=150;, score=
0.152 total time= 17.2s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=12, min_samples_leaf=22, min_samples_split=12, n_estimators=150;, score=
0.122 total time= 17.0s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=12, min_samples_leaf=22, min_samples_split=12, n_estimators=150;, score=
0.135 total time= 17.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_le
af_nodes=12, min_samples_leaf=22, min_samples_split=12, n_estimators=150;, score=
0.162 total time= 17.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=2, min_samples_split=12, n_estimators=41;, score=0.0
96 total time= 5.3s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=2, min_samples_split=12, n_estimators=41;, score=0.1
00 total time= 5.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=2, min_samples_split=12, n_estimators=41;, score=0.0
81 total time= 5.3s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=2, min_samples_split=12, n_estimators=41;, score=0.0
88 total time= 5.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=2, min_samples_split=12, n_estimators=41;, score=0.0
85 total time= 5.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=24, min_samples_leaf=30, min_samples_split=14, n_estimators=42;, score=0.
069 total time= 3.6s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=24, min_samples_leaf=30, min_samples_split=14, n_estimators=42;, score=0.
074 total time= 3.6s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=24, min_samples_leaf=30, min_samples_split=14, n_estimators=42;, score=0.
064 total time= 3.6s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=24, min_samples_leaf=30, min_samples_split=14, n_estimators=42;, score=0.
061 total time= 3.6s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=24, min_samples_leaf=30, min_samples_split=14, n_estimators=42;, score=0.
071 total time= 3.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=28, min_samples_leaf=10, min_samples_split=9, n_estimators=331;, score=0.
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115 total time= 1.1min
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=20, min_samples_leaf=10, min_samples_split=9, n_estimators=331;, score=0.
076 total time= 1.1min
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=20, min_samples_leaf=10, min_samples_split=9, n_estimators=331;, score=0.
055 total time= 1.1min
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=20, min_samples_leaf=10, min_samples_split=9, n_estimators=331;, score=0.
077 total time= 1.2min
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=20, min_samples_leaf=10, min_samples_split=9, n_estimators=331;, score=0.
088 total time= 1.1min
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=12, min_samples_split=18, n_estimators=13;, score=0.096
0.096 total time= 1.6s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=12, min_samples_split=18, n_estimators=13;, score=0.100
0.100 total time= 1.6s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=12, min_samples_split=18, n_estimators=13;, score=0.078
0.078 total time= 1.6s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=12, min_samples_split=18, n_estimators=13;, score=0.088
0.088 total time= 1.6s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=None, max_leaf_nodes=10, min_samples_leaf=12, min_samples_split=18, n_estimators=13;, score=0.078
0.078 total time= 1.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=16, min_samples_leaf=9, min_samples_split=15, n_estimators=124;, score=0.
114 total time= 22.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=16, min_samples_leaf=9, min_samples_split=15, n_estimators=124;, score=0.
072 total time= 24.1s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=16, min_samples_leaf=9, min_samples_split=15, n_estimators=124;, score=0.
062 total time= 23.7s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=16, min_samples_leaf=9, min_samples_split=15, n_estimators=124;, score=0.
068 total time= 24.0s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=16, min_samples_leaf=9, min_samples_split=15, n_estimators=124;, score=0.
097 total time= 23.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=9, min_samples_leaf=15, min_samples_split=12, n_estimators=253;, score=0.1
0.129 total time= 26.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=9, min_samples_leaf=15, min_samples_split=12, n_estimators=253;, score=0.1
0.133 total time= 25.5s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=9, min_samples_leaf=15, min_samples_split=12, n_estimators=253;, score=0.1
0.144 total time= 25.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=9, min_samples_leaf=15, min_samples_split=12, n_estimators=253;, score=0.1
0.133 total time= 25.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=9, min_samples_leaf=15, min_samples_split=12, n_estimators=253;, score=0.1
0.140 total time= 25.8s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=5, min_samples_leaf=14, min_samples_split=19, n_estimators=241;, score=0.
069 total time= 21.2s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_leaf_nodes=5, min_samples_leaf=14, min_samples_split=19, n_estimators=241;, score=0.
074 total time= 21.1s
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[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=5, min_samples_leaf=14, min_samples_split=19, n_estimators=241;, score=0.  
064 total time= 21.1s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=5, min_samples_leaf=14, min_samples_split=19, n_estimators=241;, score=0.  
061 total time= 21.1s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le  
af_nodes=5, min_samples_leaf=14, min_samples_split=19, n_estimators=241;, score=0.  
071 total time= 21.1s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=25, min_samples_split=14, n_estimators=197;, score=0.  
081 total time= 27.1s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=25, min_samples_split=14, n_estimators=197;, score=0.  
061 total time= 28.5s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=25, min_samples_split=14, n_estimators=197;, score=0.  
066 total time= 28.6s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=25, min_samples_split=14, n_estimators=197;, score=0.  
067 total time= 26.9s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=1.0, max_le  
af_nodes=7, min_samples_leaf=25, min_samples_split=14, n_estimators=197;, score=0.  
088 total time= 25.3s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le  
af_nodes=8, min_samples_leaf=13, min_samples_split=13, n_estimators=152;, score=0.  
095 total time= 23.6s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le  
af_nodes=8, min_samples_leaf=13, min_samples_split=13, n_estimators=152;, score=0.  
084 total time= 23.3s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le  
af_nodes=8, min_samples_leaf=13, min_samples_split=13, n_estimators=152;, score=0.  
075 total time= 23.8s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le  
af_nodes=8, min_samples_leaf=13, min_samples_split=13, n_estimators=152;, score=0.  
074 total time= 23.4s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le  
af_nodes=8, min_samples_leaf=13, min_samples_split=13, n_estimators=152;, score=0.  
103 total time= 23.6s  
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le  
af_nodes=24, min_samples_leaf=20, min_samples_split=12, n_estimators=27;, score=0.  
109 total time= 4.7s  
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le  
af_nodes=24, min_samples_leaf=20, min_samples_split=12, n_estimators=27;, score=0.  
096 total time= 4.7s  
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le  
af_nodes=24, min_samples_leaf=20, min_samples_split=12, n_estimators=27;, score=0.  
093 total time= 4.7s  
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le  
af_nodes=24, min_samples_leaf=20, min_samples_split=12, n_estimators=27;, score=0.  
090 total time= 4.7s  
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le  
af_nodes=24, min_samples_leaf=20, min_samples_split=12, n_estimators=27;, score=0.  
124 total time= 4.7s  
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le  
af_nodes=8, min_samples_leaf=30, min_samples_split=13, n_estimators=286;, score=0.  
116 total time= 24.2s  
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le  
af_nodes=8, min_samples_leaf=30, min_samples_split=13, n_estimators=286;, score=0.  
133 total time= 24.2s  
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le  
af_nodes=8, min_samples_leaf=30, min_samples_split=13, n_estimators=286;, score=0.  
107 total time= 24.2s  
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
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af_nodes=8, min_samples_leaf=30, min_samples_split=13, n_estimators=286;, score=0.
107 total time= 24.2s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=8, min_samples_leaf=30, min_samples_split=13, n_estimators=286;, score=0.
119 total time= 24.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=15, min_samples_split=16, n_estimators=132;, score=
0.069 total time= 11.6s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=15, min_samples_split=16, n_estimators=132;, score=
0.074 total time= 11.6s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=15, min_samples_split=16, n_estimators=132;, score=
0.064 total time= 11.6s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=15, min_samples_split=16, n_estimators=132;, score=
0.061 total time= 11.6s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=10, min_samples_leaf=15, min_samples_split=16, n_estimators=132;, score=
0.071 total time= 11.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=22, min_samples_leaf=20, min_samples_split=13, n_estimators=82;, score=
0.069 total time= 7.2s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=22, min_samples_leaf=20, min_samples_split=13, n_estimators=82;, score=
0.074 total time= 7.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=22, min_samples_leaf=20, min_samples_split=13, n_estimators=82;, score=
0.064 total time= 7.1s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=22, min_samples_leaf=20, min_samples_split=13, n_estimators=82;, score=
0.061 total time= 7.2s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=22, min_samples_leaf=20, min_samples_split=13, n_estimators=82;, score=
0.071 total time= 7.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=21, min_samples_split=12, n_estimators=275;, score=
0.096 total time= 36.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=21, min_samples_split=12, n_estimators=275;, score=
0.100 total time= 36.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=21, min_samples_split=12, n_estimators=275;, score=
0.078 total time= 36.3s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=21, min_samples_split=12, n_estimators=275;, score=
0.088 total time= 36.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=21, min_samples_split=12, n_estimators=275;, score=
0.078 total time= 36.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=22, min_samples_split=10, n_estimators=130;, score=
0.075 total time= 23.2s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=22, min_samples_split=10, n_estimators=130;, score=
0.070 total time= 24.7s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=22, min_samples_split=10, n_estimators=130;, score=
0.071 total time= 24.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=22, min_samples_split=10, n_estimators=130;, score=
0.095 total time= 24.7s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=22, min_samples_split=10, n_estimators=130;, score=

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0.122 total time= 25.1s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=10, min_samples_leaf=21, min_samples_split=15, n_estimators=300;, score=0.095 total time= 50.0s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=10, min_samples_leaf=21, min_samples_split=15, n_estimators=300;, score=0.061 total time= 50.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=10, min_samples_leaf=21, min_samples_split=15, n_estimators=300;, score=0.065 total time= 49.7s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=10, min_samples_leaf=21, min_samples_split=15, n_estimators=300;, score=0.088 total time= 50.3s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=10, min_samples_leaf=21, min_samples_split=15, n_estimators=300;, score=0.097 total time= 50.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=4, min_samples_leaf=29, min_samples_split=16, n_estimators=179;, score=0.094 total time= 14.7s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=4, min_samples_leaf=29, min_samples_split=16, n_estimators=179;, score=0.094 total time= 13.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=4, min_samples_leaf=29, min_samples_split=16, n_estimators=179;, score=0.098 total time= 14.5s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=4, min_samples_leaf=29, min_samples_split=16, n_estimators=179;, score=0.098 total time= 14.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=4, min_samples_leaf=29, min_samples_split=16, n_estimators=179;, score=0.098 total time= 13.9s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=5, min_samples_split=14, n_estimators=118;, score=0.105 total time= 20.8s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=5, min_samples_split=14, n_estimators=118;, score=0.095 total time= 20.8s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=5, min_samples_split=14, n_estimators=118;, score=0.084 total time= 20.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=5, min_samples_split=14, n_estimators=118;, score=0.082 total time= 20.8s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=5, min_samples_split=14, n_estimators=118;, score=0.094 total time= 20.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=11, min_samples_leaf=14, min_samples_split=17, n_estimators=332;, score=0.135 total time= 37.0s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=11, min_samples_leaf=14, min_samples_split=17, n_estimators=332;, score=0.143 total time= 36.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=11, min_samples_leaf=14, min_samples_split=17, n_estimators=332;, score=0.121 total time= 35.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=11, min_samples_leaf=14, min_samples_split=17, n_estimators=332;, score=0.125 total time= 36.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=8, max_features=None, max_leaf_nodes=11, min_samples_leaf=14, min_samples_split=17, n_estimators=332;, score=0.151 total time= 36.8s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_leaf_nodes=12, min_samples_leaf=29, min_samples_split=12, n_estimators=273;, score=0.146 total time= 32.1s
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[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=29, min_samples_split=12, n_estimators=273;, score=0.
161 total time= 32.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=29, min_samples_split=12, n_estimators=273;, score=0.
127 total time= 32.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=29, min_samples_split=12, n_estimators=273;, score=0.
137 total time= 32.7s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=1.0, max_lea
f_nodes=12, min_samples_leaf=29, min_samples_split=12, n_estimators=273;, score=0.
166 total time= 32.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=12, min_samples_split=6, n_estimators=305;, score=0.1
11 total time= 25.9s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=12, min_samples_split=6, n_estimators=305;, score=0.1
30 total time= 25.9s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=12, min_samples_split=6, n_estimators=305;, score=0.1
05 total time= 25.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=12, min_samples_split=6, n_estimators=305;, score=0.1
05 total time= 25.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=1.0, max_lea
f_nodes=11, min_samples_leaf=12, min_samples_split=6, n_estimators=305;, score=0.1
19 total time= 25.9s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=7, min_samples_leaf=11, min_samples_split=13, n_estimators=192;, score=0.
069 total time= 17.0s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=7, min_samples_leaf=11, min_samples_split=13, n_estimators=192;, score=0.
074 total time= 16.9s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=7, min_samples_leaf=11, min_samples_split=13, n_estimators=192;, score=0.
064 total time= 16.9s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=7, min_samples_leaf=11, min_samples_split=13, n_estimators=192;, score=0.
061 total time= 16.9s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=1.0, max_le
af_nodes=7, min_samples_leaf=11, min_samples_split=13, n_estimators=192;, score=0.
071 total time= 16.9s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=19, min_samples_leaf=4, min_samples_split=11, n_estimators=196;, score=0.
106 total time= 16.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=19, min_samples_leaf=4, min_samples_split=11, n_estimators=196;, score=0.
126 total time= 16.6s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=19, min_samples_leaf=4, min_samples_split=11, n_estimators=196;, score=0.
104 total time= 16.7s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=19, min_samples_leaf=4, min_samples_split=11, n_estimators=196;, score=0.
102 total time= 16.6s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=19, min_samples_leaf=4, min_samples_split=11, n_estimators=196;, score=0.
113 total time= 16.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_le
af_nodes=13, min_samples_leaf=8, min_samples_split=18, n_estimators=133;, score=
0.069 total time= 11.7s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_le
af_nodes=13, min_samples_leaf=8, min_samples_split=18, n_estimators=133;, score=
0.074 total time= 11.7s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_le
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eaf_nodes=13, min_samples_leaf=8, min_samples_split=18, n_estimators=133;, score=0.064 total time= 11.7s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=13, min_samples_leaf=8, min_samples_split=18, n_estimators=133;, score=0.061 total time= 11.7s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=13, min_samples_leaf=8, min_samples_split=18, n_estimators=133;, score=0.071 total time= 11.7s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=1, min_samples_split=10, n_estimators=156;, score=0.
096 total time= 20.6s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=1, min_samples_split=10, n_estimators=156;, score=0.
093 total time= 20.6s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=1, min_samples_split=10, n_estimators=156;, score=0.
076 total time= 20.6s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=1, min_samples_split=10, n_estimators=156;, score=-0.003 total time= 20.6s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=1, min_samples_split=10, n_estimators=156;, score=0.
085 total time= 20.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=19, min_samples_leaf=22, min_samples_split=11, n_estimators=57;, score=0.089 total time= 11.8s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=19, min_samples_leaf=22, min_samples_split=11, n_estimators=57;, score=0.067 total time= 11.7s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=19, min_samples_leaf=22, min_samples_split=11, n_estimators=57;, score=0.091 total time= 11.9s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=19, min_samples_leaf=22, min_samples_split=11, n_estimators=57;, score=0.100 total time= 11.8s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_l
eaf_nodes=19, min_samples_leaf=22, min_samples_split=11, n_estimators=57;, score=0.135 total time= 11.8s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=9, min_samples_split=6, n_estimators=98;, score=0.09
6 total time= 12.9s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=9, min_samples_split=6, n_estimators=98;, score=0.10
0 total time= 12.9s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=9, min_samples_split=6, n_estimators=98;, score=0.07
8 total time= 13.0s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=9, min_samples_split=6, n_estimators=98;, score=0.08
8 total time= 12.9s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=11, min_samples_leaf=9, min_samples_split=6, n_estimators=98;, score=0.07
8 total time= 12.9s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=8, min_samples_split=11, n_estimators=79;, score=0.0
96 total time= 10.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=8, min_samples_split=11, n_estimators=79;, score=0.1
00 total time= 10.4s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=8, min_samples_split=11, n_estimators=79;, score=0.0
78 total time= 10.4s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_le
af_nodes=16, min_samples_leaf=8, min_samples_split=11, n_estimators=79;, score=0.0
80 total time= 10.4s
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88 total time= 10.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=3, max_features=1.0, max_lea
af_nodes=16, min_samples_leaf=8, min_samples_split=11, n_estimators=79;, score=0.0
78 total time= 10.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=30, min_samples_split=9, n_estimators=75;, score=0.16
3 total time= 10.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=30, min_samples_split=9, n_estimators=75;, score=0.18
3 total time= 10.3s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=30, min_samples_split=9, n_estimators=75;, score=0.15
2 total time= 10.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=30, min_samples_split=9, n_estimators=75;, score=0.15
8 total time= 10.5s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=30, min_samples_split=9, n_estimators=75;, score=0.18
5 total time= 10.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=10, min_samples_leaf=19, min_samples_split=15, n_estimators=295;, score=
0.069 total time= 26.1s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=10, min_samples_leaf=19, min_samples_split=15, n_estimators=295;, score=
0.074 total time= 26.1s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=10, min_samples_leaf=19, min_samples_split=15, n_estimators=295;, score=
0.064 total time= 26.0s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=10, min_samples_leaf=19, min_samples_split=15, n_estimators=295;, score=
0.061 total time= 26.0s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=2, max_features=None, max_l
eaf_nodes=10, min_samples_leaf=19, min_samples_split=15, n_estimators=295;, score=
0.071 total time= 26.0s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=10, min_samples_split=18, n_estimators=185;, score=0.
152 total time= 14.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=10, min_samples_split=18, n_estimators=185;, score=0.
173 total time= 14.2s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=10, min_samples_split=18, n_estimators=185;, score=0.
153 total time= 14.5s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=10, min_samples_split=18, n_estimators=185;, score=0.
150 total time= 14.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=1.0, max_lea
f_nodes=21, min_samples_leaf=10, min_samples_split=18, n_estimators=185;, score=0.
176 total time= 14.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=18, min_samples_leaf=29, min_samples_split=13, n_estimators=46;, score=0.
096 total time= 9.1s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=18, min_samples_leaf=29, min_samples_split=13, n_estimators=46;, score=0.
079 total time= 9.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=18, min_samples_leaf=29, min_samples_split=13, n_estimators=46;, score=0.
067 total time= 9.5s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=18, min_samples_leaf=29, min_samples_split=13, n_estimators=46;, score=0.
106 total time= 9.5s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_le
af_nodes=18, min_samples_leaf=29, min_samples_split=13, n_estimators=46;, score=0.
112 total time= 9.5s
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[CV 1/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=8, min_samples_leaf=9, min_samples_split=14, n_estimators=251;, score=0.1
21 total time= 24.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=8, min_samples_leaf=9, min_samples_split=14, n_estimators=251;, score=0.1
21 total time= 23.8s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=8, min_samples_leaf=9, min_samples_split=14, n_estimators=251;, score=0.1
11 total time= 23.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=8, min_samples_leaf=9, min_samples_split=14, n_estimators=251;, score=0.1
02 total time= 23.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=7, max_features=None, max_le
af_nodes=8, min_samples_leaf=9, min_samples_split=14, n_estimators=251;, score=0.1
26 total time= 23.9s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=1, min_samples_split=11, n_estimators=177;, score=0.
030 total time= 31.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=1, min_samples_split=11, n_estimators=177;, score=-
0.028 total time= 32.4s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=1, min_samples_split=11, n_estimators=177;, score=0.
063 total time= 32.2s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=1, min_samples_split=11, n_estimators=177;, score=-
0.005 total time= 31.7s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=1.0, max_le
af_nodes=14, min_samples_leaf=1, min_samples_split=11, n_estimators=177;, score=0.
104 total time= 32.2s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=19, min_samples_leaf=22, min_samples_split=16, n_estimators=323;, score=0.
083 total time= 18.3s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=19, min_samples_leaf=22, min_samples_split=16, n_estimators=323;, score=0.
096 total time= 18.3s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=19, min_samples_leaf=22, min_samples_split=16, n_estimators=323;, score=0.
084 total time= 18.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=19, min_samples_leaf=22, min_samples_split=16, n_estimators=323;, score=0.
077 total time= 18.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=19, min_samples_leaf=22, min_samples_split=16, n_estimators=323;, score=0.
083 total time= 18.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=19, min_samples_leaf=25, min_samples_split=11, n_estimators=267;, score=
0.109 total time= 47.2s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=19, min_samples_leaf=25, min_samples_split=11, n_estimators=267;, score=
0.095 total time= 47.2s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=19, min_samples_leaf=25, min_samples_split=11, n_estimators=267;, score=
0.093 total time= 47.1s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=19, min_samples_leaf=25, min_samples_split=11, n_estimators=267;, score=
0.090 total time= 47.1s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=1.0, max_le
af_nodes=19, min_samples_leaf=25, min_samples_split=11, n_estimators=267;, score=
0.114 total time= 47.1s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=3, min_samples_leaf=13, min_samples_split=16, n_estimators=129;, score=0.
075 total time= 9.7s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
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af_nodes=3, min_samples_leaf=13, min_samples_split=16, n_estimators=129;, score=0.
085 total time= 9.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=3, min_samples_leaf=13, min_samples_split=16, n_estimators=129;, score=0.
077 total time= 9.7s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=3, min_samples_leaf=13, min_samples_split=16, n_estimators=129;, score=0.
068 total time= 9.3s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=3, min_samples_leaf=13, min_samples_split=16, n_estimators=129;, score=0.
074 total time= 9.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=17, min_samples_leaf=4, min_samples_split=17, n_estimators=230;, score=
0.137 total time= 42.5s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=17, min_samples_leaf=4, min_samples_split=17, n_estimators=230;, score=
0.041 total time= 44.4s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=17, min_samples_leaf=4, min_samples_split=17, n_estimators=230;, score=
0.072 total time= 44.8s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=17, min_samples_leaf=4, min_samples_split=17, n_estimators=230;, score=
0.064 total time= 45.4s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=17, min_samples_leaf=4, min_samples_split=17, n_estimators=230;, score=
0.098 total time= 45.4s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=5, min_samples_leaf=24, min_samples_split=15, n_estimators=85;, score=0.1
05 total time= 7.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=5, min_samples_leaf=24, min_samples_split=15, n_estimators=85;, score=0.1
03 total time= 7.0s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=5, min_samples_leaf=24, min_samples_split=15, n_estimators=85;, score=0.0
96 total time= 7.2s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=5, min_samples_leaf=24, min_samples_split=15, n_estimators=85;, score=0.0
86 total time= 7.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=5, min_samples_leaf=24, min_samples_split=15, n_estimators=85;, score=0.1
07 total time= 7.0s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=22, min_samples_leaf=19, min_samples_split=11, n_estimators=166;, score=0.
083 total time= 9.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=22, min_samples_leaf=19, min_samples_split=11, n_estimators=166;, score=0.
096 total time= 9.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=22, min_samples_leaf=19, min_samples_split=11, n_estimators=166;, score=0.
085 total time= 9.3s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=22, min_samples_leaf=19, min_samples_split=11, n_estimators=166;, score=0.
079 total time= 9.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=2, max_features=1.0, max_lea
f_nodes=22, min_samples_leaf=19, min_samples_split=11, n_estimators=166;, score=0.
084 total time= 9.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=13, min_samples_leaf=16, min_samples_split=14, n_estimators=268;, score=
0.101 total time= 50.1s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=13, min_samples_leaf=16, min_samples_split=14, n_estimators=268;, score=
0.071 total time= 50.1s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_l
eaf_nodes=13, min_samples_leaf=16, min_samples_split=14, n_estimators=268;, score=

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0.074 total time= 50.7s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=16, min_samples_split=14, n_estimators=268;, score=0.081 total time= 50.2s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=13, min_samples_leaf=16, min_samples_split=14, n_estimators=268;, score=0.108 total time= 50.5s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=3, min_samples_leaf=14, min_samples_split=19, n_estimators=256;, score=0.075 total time= 19.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=3, min_samples_leaf=14, min_samples_split=19, n_estimators=256;, score=0.084 total time= 18.5s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=3, min_samples_leaf=14, min_samples_split=19, n_estimators=256;, score=0.078 total time= 19.1s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=3, min_samples_leaf=14, min_samples_split=19, n_estimators=256;, score=0.068 total time= 18.7s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=3, min_samples_leaf=14, min_samples_split=19, n_estimators=256;, score=0.074 total time= 18.3s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=7, min_samples_leaf=3, min_samples_split=19, n_estimators=273;, score=0.106 total time= 25.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=7, min_samples_leaf=3, min_samples_split=19, n_estimators=273;, score=0.119 total time= 25.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=7, min_samples_leaf=3, min_samples_split=19, n_estimators=273;, score=0.102 total time= 25.9s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=7, min_samples_leaf=3, min_samples_split=19, n_estimators=273;, score=0.095 total time= 25.1s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=7, min_samples_leaf=3, min_samples_split=19, n_estimators=273;, score=0.117 total time= 25.6s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=15, min_samples_leaf=20, min_samples_split=7, n_estimators=249;, score=0.149 total time= 31.3s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=15, min_samples_leaf=20, min_samples_split=7, n_estimators=249;, score=0.166 total time= 31.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=15, min_samples_leaf=20, min_samples_split=7, n_estimators=249;, score=0.136 total time= 31.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=15, min_samples_leaf=20, min_samples_split=7, n_estimators=249;, score=0.145 total time= 31.9s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=6, max_features=None, max_leaf_nodes=15, min_samples_leaf=20, min_samples_split=7, n_estimators=249;, score=0.176 total time= 31.6s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=18, min_samples_leaf=22, min_samples_split=16, n_estimators=223;, score=0.109 total time= 39.4s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=18, min_samples_leaf=22, min_samples_split=16, n_estimators=223;, score=0.093 total time= 39.3s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=18, min_samples_leaf=22, min_samples_split=16, n_estimators=223;, score=0.093 total time= 39.3s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=18, min_samples_leaf=22, min_samples_split=16, n_estimators=223;, score=0.090 total time= 39.3s
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[CV 5/5] END bootstrap=False, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=18, min_samples_leaf=22, min_samples_split=16, n_estimators=223;, score=0.128 total time= 39.5s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=15, min_samples_leaf=5, min_samples_split=11, n_estimators=341;, score=0.093 total time= 1.1min
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=15, min_samples_leaf=5, min_samples_split=11, n_estimators=341;, score=0.062 total time= 1.0min
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=15, min_samples_leaf=5, min_samples_split=11, n_estimators=341;, score=0.071 total time= 1.1min
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=15, min_samples_leaf=5, min_samples_split=11, n_estimators=341;, score=0.055 total time= 1.1min
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=5, max_features=None, max_leaf_nodes=15, min_samples_leaf=5, min_samples_split=11, n_estimators=341;, score=0.106 total time= 1.1min
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=9, min_samples_leaf=25, min_samples_split=19, n_estimators=319;, score=0.126 total time= 33.6s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=9, min_samples_leaf=25, min_samples_split=19, n_estimators=319;, score=0.141 total time= 33.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=9, min_samples_leaf=25, min_samples_split=19, n_estimators=319;, score=0.116 total time= 33.6s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=9, min_samples_leaf=25, min_samples_split=19, n_estimators=319;, score=0.115 total time= 33.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=None, max_leaf_nodes=9, min_samples_leaf=25, min_samples_split=19, n_estimators=319;, score=0.140 total time= 33.1s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=6, min_samples_split=19, n_estimators=293;, score=0.133 total time= 33.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=6, min_samples_split=19, n_estimators=293;, score=0.153 total time= 33.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=6, min_samples_split=19, n_estimators=293;, score=0.129 total time= 33.2s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=6, min_samples_split=19, n_estimators=293;, score=0.127 total time= 33.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=4, max_features=1.0, max_leaf_nodes=24, min_samples_leaf=6, min_samples_split=19, n_estimators=293;, score=0.149 total time= 33.3s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=17, min_samples_leaf=22, min_samples_split=17, n_estimators=326;, score=0.076 total time= 1.1min
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=17, min_samples_leaf=22, min_samples_split=17, n_estimators=326;, score=0.074 total time= 1.1min
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=17, min_samples_leaf=22, min_samples_split=17, n_estimators=326;, score=0.062 total time= 1.1min
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=17, min_samples_leaf=22, min_samples_split=17, n_estimators=326;, score=0.101 total time= 1.1min
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=1.0, max_leaf_nodes=17, min_samples_leaf=22, min_samples_split=17, n_estimators=326;, score=0.126 total time= 1.1min
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_leaf_nodes=17, min_samples_leaf=22, min_samples_split=17, n_estimators=326;, score=0.125 total time= 1.1min
```

```
eaf_nodes=21, min_samples_leaf=1, min_samples_split=8, n_estimators=198;, score=-0.011 total time= 40.0s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=1, min_samples_split=8, n_estimators=198;, score=-0.160 total time= 41.7s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=1, min_samples_split=8, n_estimators=198;, score=-0.076 total time= 45.0s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=1, min_samples_split=8, n_estimators=198;, score=-0.047 total time= 42.0s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=7, max_features=None, max_l
eaf_nodes=21, min_samples_leaf=1, min_samples_split=8, n_estimators=198;, score=-0.061 total time= 41.0s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=12, min_samples_leaf=26, min_samples_split=7, n_estimators=129;, score=0.140 total time= 15.2s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=12, min_samples_leaf=26, min_samples_split=7, n_estimators=129;, score=0.158 total time= 15.1s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=12, min_samples_leaf=26, min_samples_split=7, n_estimators=129;, score=0.124 total time= 15.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=12, min_samples_leaf=26, min_samples_split=7, n_estimators=129;, score=0.131 total time= 15.4s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=5, max_features=None, max_le
af_nodes=12, min_samples_leaf=26, min_samples_split=7, n_estimators=129;, score=0.161 total time= 15.2s
[CV 1/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=7, min_samples_leaf=14, min_samples_split=18, n_estimators=24;, score=0.081 total time= 3.3s
[CV 2/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=7, min_samples_leaf=14, min_samples_split=18, n_estimators=24;, score=0.062 total time= 3.4s
[CV 3/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=7, min_samples_leaf=14, min_samples_split=18, n_estimators=24;, score=0.060 total time= 3.1s
[CV 4/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=7, min_samples_leaf=14, min_samples_split=18, n_estimators=24;, score=0.032 total time= 3.2s
[CV 5/5] END bootstrap=False, criterion=mse, max_depth=8, max_features=None, max_l
eaf_nodes=7, min_samples_leaf=14, min_samples_split=18, n_estimators=24;, score=0.102 total time= 3.1s
[CV 1/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=13, min_samples_leaf=16, min_samples_split=19, n_estimators=276;, score=0.111 total time= 23.4s
[CV 2/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=13, min_samples_leaf=16, min_samples_split=19, n_estimators=276;, score=0.128 total time= 23.4s
[CV 3/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=13, min_samples_leaf=16, min_samples_split=19, n_estimators=276;, score=0.106 total time= 23.4s
[CV 4/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=13, min_samples_leaf=16, min_samples_split=19, n_estimators=276;, score=0.105 total time= 23.5s
[CV 5/5] END bootstrap=True, criterion=mse, max_depth=3, max_features=None, max_le
af_nodes=13, min_samples_leaf=16, min_samples_split=19, n_estimators=276;, score=0.117 total time= 23.4s
```

In [41]:

```
resultados = pd.DataFrame(busca.cv_results_)
resultados.sort_values("rank_test_score").head()
```

	mean_fit_time	std_fit_time	mean_score_time	std_score_time	param_bootstrap	param_criteri	src
173	35.771605	0.512906	0.046998	0.001411	True	n	src
160	39.702118	3.036568	0.050570	0.003896	True	n	src
49	18.981803	0.151183	0.025201	0.000400	True	n	src
65	28.037401	1.352355	0.035551	0.001383	True	n	src
31	35.187284	0.750659	0.043553	0.000718	True	n	src

5 rows × 21 columns

```
In [42]: melhor_modelo = busca.best_estimator_
predicao_treino = melhor_modelo.predict(X_train)
predicao_teste = melhor_modelo.predict(X_test)

print("Resultado treino: %f" % r2_score(y_train, predicao_treino))
print("Resultado teste: %f" % r2_score(y_test, predicao_teste))

Resultado treino: 0.229517
Resultado teste: 0.184837
```

**Como nenhuma das duas soluções foram ótimas, optamos por utilizar a regressão linear que tem menos overfit**

```
In [43]: if "id" in df_quantitativas.columns:
    df_quantitativas.drop("id", axis=1, inplace=True)
```

```
In [44]: limite_superior, limite_inferior = remover_outliers(df_quantitativas)

df = pd.concat([df_quantitativas, df_cat], axis=1)
X_sem_out = df.copy()

t = []
for var in df.columns:
    if var != "target" and df[var].dtype != "O":
```

```

if normaltest(df[var])[1] > 0.05:
    t.append(var)
outliers = df[(df[var] > limite_superior[var]) | (df[var] < limite_inferior[var])]
if len(outliers) > 0:
    X_sem_out = X_sem_out[(X_sem_out[var] < df[var].quantile(.99)) & (X_sem_out[var] > df[var].quantile(.01))]

```

In [45]:

```

df_cat = X_sem_out.select_dtypes("object")
cat_transformadas = transformar_categoricas(df_cat)
cat_transformadas

```

Out[45]:

	023c68873b	361f93f4d1	8d0606b150	91145d159d	b835dfe10f	e16e640635	f1f098493
1	387	546	205	518	70	31	
2	381	64	120	297	74	18	31
3	190	466	100	14	119	88	20
5	182	462	453	196	53	97	15
6	403	294	604	491	69	70	21
...	...	...	...	...	...	...	.
24971	385	711	14	5	116	154	
24972	618	576	320	393	72	24	7
24973	38	426	452	301	130	36	26
24974	19	472	647	138	40	90	19
24975	1	582	440	182	88	44	13

19938 rows × 7 columns

In [46]:

```

for var in cat_transformadas.columns:
    cat_transformadas[var] = cat_transformadas[var].astype("category")

```

In [47]:

```

X_sem_out.drop(cat_transformadas.columns, axis=1, inplace=True)
df = pd.concat([X_sem_out, cat_transformadas], axis=1)
df.shape

```

Out[47]:

```
(19938, 107)
```

In [48]:

```
from sklearn.preprocessing import OrdinalEncoder
```

In [49]:

```

# Categorizando variáveis
oe = OrdinalEncoder()
for coluna in df.columns:
    porcent = df[coluna].nunique() / len(X)

    if porcent >= .9:
        categorias = pd.cut(df[coluna], bins=40, precision=0)
        categorias = categorias.values.reshape(-1, 1)
        df[coluna] = oe.fit_transform(categorias)

```

In [50]:

```
df.shape
```

Out[50]:

```
(19938, 107)
```

```
In [51]: from sklearn.pipeline import Pipeline
from sklearn.feature_selection import SelectKBest, VarianceThreshold, f_regression
from sklearn.linear_model import LinearRegression
from sklearn.model_selection import train_test_split
```

```
In [52]: modelo = Pipeline([
    ("feature_selection1", VarianceThreshold(threshold=2)),
    ("feature_selection2", SelectKBest(score_func=f_regression, k=30)),
    ("modelo", LinearRegression())
])

modelo
```

```
Out[52]: Pipeline(steps=[('feature_selection1', VarianceThreshold(threshold=2)),
                        ('feature_selection2',
                         SelectKBest(k=30,
                                     score_func=<function f_regression at 0x0000020799AC10>)),
                        ('modelo', LinearRegression())])
```

```
In [53]: X = df.drop("target", axis=1)
y = df["target"]
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)
```

```
In [54]: modelo.fit(X_train, y_train)
preds_treino = modelo.predict(X_train)
preds_teste = modelo.predict(X_test)
```

```
In [55]: from sklearn.metrics import r2_score

print("R² treino: %f" % r2_score(y_train, preds_treino))
print("R² teste: %f" % r2_score(y_test, preds_teste))

R² treino: 0.204744
R² teste: 0.203051
```

## Gerando resultados de teste

---

```
In [56]: df_teste = pd.read_csv("test.csv")
df_teste.drop("id", axis=1, inplace=True)
df_teste.head()
```

```
Out[56]: 016399044a 023c68873b 0342faceb5 04e7268385 06888ceac9 072b7
0 6456 46fd5e9bb52dd57b6ef0a91e6134e1dd 5274 36039 1 1020.3
1 6376 3e1c31c3ff0eb9fb61ffc7cfa6242f8 5360 35886 1 2543.2
2 6293 5638e0d19a818f1af8cb543738ac348a 5358 35974 1 1392.2
3 6335 d1079afa38c24795a28f16f229512a27 5305 35905 1 418.0
4 6514 30dd738797f8299c7da368fc95e9eeab 5380 35860 1 1070.5
```

5 rows × 106 columns

```
In [57]: teste_categoricas = df_teste.select_dtypes(include="object")
teste_quantitativas = df_teste.drop(teste_categoricas.columns, axis=1)
```

```
In [58]: # Trocando as categóricas pelas categóricas transformadas
cat_transformadas_teste = transformar_categoricas(teste_categoricas)

for var in cat_transformadas_teste.columns:
    cat_transformadas_teste[var] = cat_transformadas_teste[var].astype("category")

oe = OrdinalEncoder()
for coluna in cat_transformadas_teste.columns:
    porcent = cat_transformadas_teste[coluna].nunique() / len(X)

    if porcent >= .9:
        categorias = pd.cut(cat_transformadas_teste[coluna], bins=40, precision=0)
        categorias = categorias.values.reshape(-1, 1)
        cat_transformadas_teste[coluna] = oe.fit_transform(categorias)
```

```
In [59]: df_teste = pd.concat([teste_quantitativas, cat_transformadas_teste], axis=1, ignore_index=True)
```

```
In [60]: oe = OrdinalEncoder()
for coluna in df_teste.columns:
    porcent = df_teste[coluna].nunique() / len(X)

    if porcent >= .9:
        categorias = pd.cut(df_teste[coluna], bins=40, precision=0)
        categorias = categorias.values.reshape(-1, 1)
        df_teste[coluna] = oe.fit_transform(categorias)
```

```
In [61]: df_teste
```

```
Out[61]:
```

	0	1	2	3	4	5	6	7	8	9	...	96	97	98	99	100	101	102
0	6456	5274	36039	1	5.0	22	6.0	0.0	11.0	3.0	...	1.0	26.0	3.0	161	233	621	2
1	6376	5360	35886	1	12.0	15	6.0	0.0	21.0	4.0	...	1.0	7.0	3.0	148	240	152	3
2	6293	5358	35974	1	7.0	67	6.0	0.0	15.0	1.0	...	1.0	19.0	1.0	200	42	166	1
3	6335	5305	35905	1	2.0	6	7.0	0.0	12.0	5.0	...	1.0	24.0	2.0	507	110	194	1
4	6514	5380	35860	1	5.0	70	6.0	0.0	17.0	2.0	...	1.0	24.0	3.0	111	281	268	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24971	6520	5293	35876	1	5.0	9	6.0	0.0	25.0	3.0	...	1.0	21.0	9.0	428	445	701	3
24972	6329	5469	36019	0	1.0	-2	6.0	0.0	11.0	8.0	...	1.0	16.0	1.0	448	669	589	1
24973	6449	5349	36218	1	2.0	115	6.0	0.0	10.0	6.0	...	1.0	9.0	5.0	159	34	290	1
24974	6467	5306	35995	1	4.0	63	6.0	0.0	13.0	5.0	...	1.0	17.0	1.0	186	588	424	1
24975	6434	5444	35593	1	2.0	79	6.0	0.0	5.0	5.0	...	1.0	7.0	3.0	429	175	292	1

24976 rows × 106 columns

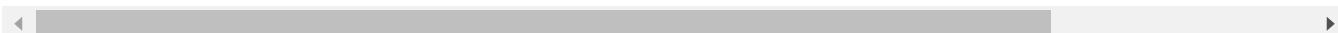
```
In [62]: preds_teste = modelo.predict(df_teste)
```

```
In [63]: df_teste["previsto"] = preds_teste
```

```
In [64]: df_teste
```

Out[64]:	0	1	2	3	4	5	6	7	8	9	...	97	98	99	100	101	102
0	6456	5274	36039	1	5.0	22	6.0	0.0	11.0	3.0	...	26.0	3.0	161	233	621	276
1	6376	5360	35886	1	12.0	15	6.0	0.0	21.0	4.0	...	7.0	3.0	148	240	152	335
2	6293	5358	35974	1	7.0	67	6.0	0.0	15.0	1.0	...	19.0	1.0	200	42	166	24
3	6335	5305	35905	1	2.0	6	7.0	0.0	12.0	5.0	...	24.0	2.0	507	110	194	89
4	6514	5380	35860	1	5.0	70	6.0	0.0	17.0	2.0	...	24.0	3.0	111	281	268	257
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24971	6520	5293	35876	1	5.0	9	6.0	0.0	25.0	3.0	...	21.0	9.0	428	445	701	349
24972	6329	5469	36019	0	1.0	-2	6.0	0.0	11.0	8.0	...	16.0	1.0	448	669	589	75
24973	6449	5349	36218	1	2.0	115	6.0	0.0	10.0	6.0	...	9.0	5.0	159	34	290	325
24974	6467	5306	35995	1	4.0	63	6.0	0.0	13.0	5.0	...	17.0	1.0	186	588	424	101
24975	6434	5444	35593	1	2.0	79	6.0	0.0	5.0	5.0	...	7.0	3.0	429	175	292	529

24976 rows × 107 columns



In [65]: `df_teste.to_csv("teste_com_previsao.csv")`