Preprocessing

In [1]:
```python
#!pip install --upgrade scikit-learn
```

In [2]:
```python
#Loading the data and np numpy and pandas
import pandas as pd
import numpy as np
print("Setup complete.")
```

Setup complete.

In [3]:
```python
#designate the path of the health train data
health_data_path = "health_train.csv"

#Load the data using pandas read_csv function.

health_data = pd.read_csv(health_data_path)

health_data.head()
```

Out[3]:

	id	x1	x2	x3	x4	x5	x6	x7	x8	x9	...	x16	x17	x18	x19	x20	x21	x22	x2
0	PA1001	1406	145.0	F	0.005	0.000	0.002	0.000	0.0	0.0	...	104.0	171.0	4.0	0.0	155.0	153.0	154.0	4
1	PA1002	258	127.0	M	0.012	0.000	0.008	0.004	0.0	0.0	...	53.0	191.0	12.0	1.0	133.0	126.0	131.0	41
2	PA1003	479	145.0	F	0.000	0.000	0.000	0.002	0.0	0.0	...	111.0	157.0	1.0	1.0	150.0	146.0	149.0	6
3	PA1004	906	146.0	F	0.004	0.000	0.005	0.003	0.0	0.0	...	107.0	169.0	2.0	2.0	150.0	147.0	149.0	7
4	PA1005	1921	140.0	F	0.002	0.003	0.006	0.006	0.0	0.0	...	75.0	228.0	9.0	0.0	142.0	118.0	142.0	20

5 rows × 26 columns

Because of the larg difference in scales of the data, it may be neccessary to standardize it all. This is so that the fifferent scales can be compared.

In [4]:
```python
from sklearn.preprocessing import Normalizer

#THIS CODE HAS BEEN COMMENTED OUT BECAUSE IT PRODUCES ERRORS

#normalizer = Normalizer(norm='l2')

#because the normalizer cannot adjust categorical columns, we only adjust numeric columns

#health_data_normalised = normalizer.fit_transform(health_data[numeric_col_labels])

#we cannot normalise because of the missing data. we should do a little bit of preprocessi
```

As you can see above, an error has ocured - there are still missing values in our dataset.

(From slideshow): Outliers are either

1. Data object that, in some sense, have characteristics different from most of the other objects in the data set (multi-dimensional outliers), or
2. Values of an attribute that are unusual with respect to the typical value for that attribute.

The danger with dealing with missing values is making our dataset bias if the missing values are not missing at random. Because of the lack of feature names, it is difficult to infer whether an attribute is MCAR (missing completely at random), MAR (missing at random), or MNAR (missing not at random). We should be careful when imputing the missin values in case they are not missing at random, as this may bias any models we make.

To become familiar with how the missing values are spread, we will look at how they are distributed to the different target classes.

In [36]:
```python
#finding target class distributions of records with missing attribute, by attribute.

#attributes with missing values: x5, x8 and x10

#find the indexes of records with missing values by attribute
health_data.isnull()
x5_missing_indexes = health_data.index[health_data.isnull()['x5'] == True].tolist()
x8_missing_indexes = health_data.index[health_data.isnull()['x8'] == True].tolist()
x10_missing_indexes = health_data.index[health_data.isnull()['x10'] == True].tolist()

#Code I used for checking that the fields did in fact have missin values (I replaced x10 w
#for index, row in health_data.iloc[x10_missing_indexes].iterrows():
    #print(row['x10'])

hd_just_missing_x5 = health_data.iloc[x5_missing_indexes]
hd_just_missing_x8 = health_data.iloc[x8_missing_indexes]
hd_just_missing_x10 = health_data.iloc[x10_missing_indexes]

hd_missing_column_variations = [hd_just_missing_x5, hd_just_missing_x8, hd_just_missing_x1

#find the target class distribtuions of the dataset, reducing the data set to only rows wi

missing_val_col_names = ['x5',  'x8', 'x10']
count = 0;
for dataset in hd_missing_column_variations:

    ds_name = missing_val_col_names[count]
    count = count + 1

    #get distribution of target class labels
    target_field_value_counts_missing = dataset["target"].value_counts()
    target_field_value_percentages_missing = target_field_value_counts_missing / dataset.s

    print("\n")
    print(ds_name + ":")
    print("Number of records missing " + ds_name + " values: ", dataset.shape[0])
    print("Target class distribution percentages:")
    #todo check id distribution should be percentage or fraction
    print(target_field_value_percentages_missing)

print("\n")
print("Number of records in entire dataset: ", health_data.shape[0])
print("Target class distribution percentages, for the entire dataset:")
print(target_field_value_percentages)
```

x5:
Number of records missing x5 values: 44

```
Target class distribution percentages:
Low risk        65.909091
High risk       18.181818
Moderate risk   15.909091
Name: target, dtype: float64


x8:
Number of records missing x8 values:   17
Target class distribution percentages:
Low risk        64.705882
Moderate risk   23.529412
High risk       11.764706
Name: target, dtype: float64


x10:
Number of records missing x10 values:   27
Target class distribution percentages:
Low risk        92.592593
High risk        3.703704
Moderate risk    3.703704
Name: target, dtype: float64


Number of records in entire dataset:   1584
Target class distribution percentages, for the entire dataset:
Low risk        77.967172
Moderate risk   13.825758
High risk        8.207071
Name: target, dtype: float64
```

The distributions seem roughly similar - only slightly off for all, and the number of records we are using is quite small so doesnt matter if it doesnt exactly reflect the distribution of the whole, given the fact that it becomes less likley that a distribution will be exactly the same as a larger one the smaller the sample size.

Because the missing records seem to be roughly distributed accross the classes, we will assume that they are roughly distributed at random.

getting the dictionary of missing data stuff parameters - needs to be in format of 'imputer':[Array of imputers set up in different ways]

In [7]:
```python
from sklearn.impute import SimpleImputer
from sklearn.experimental import enable_iterative_imputer
from sklearn.impute import IterativeImputer
from sklearn.neighbors import KNeighborsRegressor
from sklearn.linear_model import BayesianRidge, Ridge
from sklearn.impute import KNNImputer
from sklearn.preprocessing import OrdinalEncoder
from sklearn.model_selection import ParameterGrid
from sklearn.svm import SVC

imputer_params = [
    (SimpleImputer, {"strategy" : ["mean", "median", "most_frequent",]}),
    (IterativeImputer, {"estimator" : [BayesianRidge(), KNeighborsRegressor(n_neighbors =
                        "max_iter" : [5, 10, 20],
                        "random_state" : [1234]}),
    (KNNImputer, {"n_neighbors" : [5,10,20,30]})
]
#choosing to omit "constant" strategy, as it is just filling in all missing values with a
#need to check how my missing values are represented - I assume np.nan

imputers = [ctor(**para) for ctor, paras in imputer_params for para in ParameterGrid(para
print(imputers)
```

```
params = dict(encoder = [OrdinalEncoder()],imputer = imputers, clf = [SVC()])
params
```

```
[SimpleImputer(), SimpleImputer(strategy='median'), SimpleImputer(strategy='most_frequen
t'), IterativeImputer(estimator=BayesianRidge(), max_iter=5, random_state=1234), Iterative
Imputer(estimator=BayesianRidge(), random_state=1234), IterativeImputer(estimator=Bayesian
Ridge(), max_iter=20, random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n
_neighbors=15), max_iter=5,
                  random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n_neig
hbors=15),
                  random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n_neig
hbors=15), max_iter=20,
                  random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n_neig
hbors=7), max_iter=5,
                  random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n_neig
hbors=7),
                  random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n_neig
hbors=7), max_iter=20,
                  random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n_neig
hbors=25), max_iter=5,
                  random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n_neig
hbors=25),
                  random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n_neig
hbors=25), max_iter=20,
                  random_state=1234), KNNImputer(), KNNImputer(n_neighbors=10), KNNImputer
(n_neighbors=20), KNNImputer(n_neighbors=30)]
```

```
Out[7]: {'encoder': [OrdinalEncoder()],
 'imputer': [SimpleImputer(),
  SimpleImputer(strategy='median'),
  SimpleImputer(strategy='most_frequent'),
  IterativeImputer(estimator=BayesianRidge(), max_iter=5, random_state=1234),
  IterativeImputer(estimator=BayesianRidge(), random_state=1234),
  IterativeImputer(estimator=BayesianRidge(), max_iter=20, random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=15), max_iter=5,
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=15),
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=15), max_iter=20,
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=7), max_iter=5,
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=7),
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=7), max_iter=20,
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=25), max_iter=5,
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=25),
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=25), max_iter=20,
                   random_state=1234),
  KNNImputer(),
  KNNImputer(n_neighbors=10),
  KNNImputer(n_neighbors=20),
  KNNImputer(n_neighbors=30)],
 'clf': [SVC()]}
```

```
In [9]:  #get the data out, leaving behind the target column (last feature).
         X = health_data.iloc[:, 1:-1]
         #extract the target column.
         y = health_data["target"]

         print(X)
         print(y)
```

```
          x1     x2 x3    x4     x5     x6     x7    x8     x9    x10  ...   \
0       1406  145.0  F  0.005  0.000  0.002  0.000   0.0  0.000   46.0  ...
1        258  127.0  M  0.012  0.000  0.008  0.004   0.0  0.000   13.0  ...
2        479  145.0  F  0.000  0.000  0.000  0.002   0.0  0.000   57.0  ...
3        906  146.0  F  0.004  0.000  0.005  0.003   0.0  0.000   29.0  ...
4       1921  140.0  F  0.002  0.003  0.006  0.006   0.0  0.000   62.0  ...
...      ...    ... ..    ...    ...    ...    ...   ...    ...    ...  ...
1579    2077  130.0  M  0.005  0.001  0.001  0.000   0.0  0.000   72.0  ...
1580     664  138.0  F  0.000  0.003  0.003  0.000   0.0  0.002   60.0  ...
1581    1431  144.0  F  0.000  0.000  0.006  0.000   0.0  0.000   45.0  ...
1582     630  134.0  F  0.017  0.002  0.004  0.000   0.0  0.000   48.0  ...
1583     436  151.0  F  0.000  0.000  0.006  0.006   0.0  0.000   64.0  ...

         x15    x16    x17   x18  x19    x20    x21    x22   x23  x24
0       67.0  104.0  171.0   4.0  0.0  155.0  153.0  154.0   4.0  1.0
1      138.0   53.0  191.0  12.0  1.0  133.0  126.0  131.0  41.0  0.0
2       46.0  111.0  157.0   1.0  1.0  150.0  146.0  149.0   6.0  1.0
3       62.0  107.0  169.0   2.0  2.0  150.0  147.0  149.0   7.0  0.0
4      153.0   75.0  228.0   9.0  0.0  142.0  118.0  142.0  20.0  0.0
...      ...    ...    ...   ...  ...    ...    ...    ...   ...  ...
1579    31.0  127.0  158.0   2.0  0.0  139.0  139.0  140.0   3.0  0.0
1580   118.0   69.0  187.0  10.0  1.0  142.0  130.0  140.0  61.0  0.0
1581    30.0  139.0  169.0   2.0  0.0  157.0  155.0  157.0   2.0  0.0
1582   120.0   50.0  170.0   5.0  0.0  160.0  150.0  155.0  28.0  1.0
1583   150.0   50.0  200.0  11.0  2.0  156.0  150.0  156.0  38.0  1.0

[1584 rows x 24 columns]
0              Low risk
1              Low risk
2              Low risk
3              Low risk
4              Low risk
            ...
1579           Low risk
1580      Moderate risk
1581      Moderate risk
1582           Low risk
1583      Moderate risk
Name: target, Length: 1584, dtype: object
```

In [10]:
```python
from sklearn.model_selection import train_test_split


X_train, X_validate, y_train, y_validate = train_test_split(X, y, test_size=0.3, random_st
```

I need to impute missing values, but ive left the categorical data in there. luckily, none of the categorical data has missing values. I should probably encode the categorical data or omit it completely. probably best to convert it to numbers so that the multivariate feature imputation can use it in its maths.

In [11]:
```python
##Commented out because this code produces errors

"""from sklearn.model_selection import GridSearchCV
from sklearn.pipeline import Pipeline


process = [("encoder", OrdinalEncoder()),("imputer", SimpleImputer()), ("clf", SVC())]

clf_cv = GridSearchCV(Pipeline(process), params)

clf_cv.fit(X_train, y_train)
score = clf_cv.score(X_train, y_train)
print(score)
```

```
          print(clf_cv.best_params_)"""
```

Out[11]: 'from sklearn.model_selection import GridSearchCV\nfrom sklearn.pipeline import Pipeline\n
          \n\nprocess = [("encoder", OrdinalEncoder()),("imputer", SimpleImputer()), ("clf", SVC())]
          \n\nclf_cv = GridSearchCV(Pipeline(process), params)\n\nclf_cv.fit(X_train, y_train)\nscor
          e = clf_cv.score(X_train, y_train)\nprint(score)\n\nprint(clf_cv.best_params_)'

I am using ordinalencoder, but i dont know if this will mess up the maths for non ordinal stuff like blood type. - it doesnt seem that there are any other options though.

- seems like the ordinal encoder is try to code numeric values - including NaN. I need to encode JUST the categorical columns where there is no missing data prior to doing all this.

In [12]:
```python
from sklearn.preprocessing import OrdinalEncoder
from sklearn.preprocessing import LabelEncoder

#find which columns are categorical
categorical_labels = ['target', 'x14', 'id', 'x3']

#encode thjese using the ordinal encoder

encoder = OrdinalEncoder()
x3_encoded = encoder.fit_transform(health_data[["x3"]])
print("x3 mapping: " , encoder.categories_)

x14_encoded = encoder.fit_transform(health_data[["x14"]])
print("x14 mapping: " , encoder.categories_)

#target_encoded = encoder.fit_transform(health_data[["target"]])
#print("target mapping: " , encoder.categories_)
#print("target feature names: ", encoder.feature_names_in_)


label_enoder = LabelEncoder()
target_encoded = label_enoder.fit_transform(health_data["target"])
target_name_mapping = dict(zip(label_enoder.classes_, label_enoder.transform(label_enoder.
print("\n Label mapping dictionary:")
print(target_name_mapping)
#target_encoded = label_enoder.transform(health_data[["target"]])
#print(target_name_mapping)

health_data
```

```
x3 mapping:  [array(['F', 'M'], dtype=object)]
x14 mapping:  [array(['A+', 'A-', 'AB+', 'AB-', 'B+', 'B-', 'O+', 'O-'], dtype=object)]

 Label mapping dictionary:
{'High risk': 0, 'Low risk': 1, 'Moderate risk': 2}
```

Out[12]:

	id	x1	x2	x3	x4	x5	x6	x7	x8	x9	...	x16	x17	x18	x19	x20	x21	x2
0	PA1001	1406	145.0	F	0.005	0.000	0.002	0.000	0.0	0.000	...	104.0	171.0	4.0	0.0	155.0	153.0	154
1	PA1002	258	127.0	M	0.012	0.000	0.008	0.004	0.0	0.000	...	53.0	191.0	12.0	1.0	133.0	126.0	131
2	PA1003	479	145.0	F	0.000	0.000	0.000	0.002	0.0	0.000	...	111.0	157.0	1.0	1.0	150.0	146.0	149
3	PA1004	906	146.0	F	0.004	0.000	0.005	0.003	0.0	0.000	...	107.0	169.0	2.0	2.0	150.0	147.0	149
4	PA1005	1921	140.0	F	0.002	0.003	0.006	0.006	0.0	0.000	...	75.0	228.0	9.0	0.0	142.0	118.0	142
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1579	PA2580	2077	130.0	M	0.005	0.001	0.001	0.000	0.0	0.000	...	127.0	158.0	2.0	0.0	139.0	139.0	140

	id	x1	x2	x3	x4	x5	x6	x7	x8	x9	...	x16	x17	x18	x19	x20	x21	x2
1580	PA2581	664	138.0	F	0.000	0.003	0.003	0.000	0.0	0.002	...	69.0	187.0	10.0	1.0	142.0	130.0	140
1581	PA2582	1431	144.0	F	0.000	0.000	0.006	0.000	0.0	0.000	...	139.0	169.0	2.0	0.0	157.0	155.0	157
1582	PA2583	630	134.0	F	0.017	0.002	0.004	0.000	0.0	0.000	...	50.0	170.0	5.0	0.0	160.0	150.0	155
1583	PA2584	436	151.0	F	0.000	0.000	0.006	0.006	0.0	0.000	...	50.0	200.0	11.0	2.0	156.0	150.0	156

1584 rows × 26 columns

In [13]:
```python
health_data["x3"] = x3_encoded
health_data["x14"] = x14_encoded
health_data["target"] = target_encoded

health_data.head()
```

Out[13]:

	id	x1	x2	x3	x4	x5	x6	x7	x8	x9	...	x16	x17	x18	x19	x20	x21	x22	x2
0	PA1001	1406	145.0	0.0	0.005	0.000	0.002	0.000	0.0	0.0	...	104.0	171.0	4.0	0.0	155.0	153.0	154.0	4
1	PA1002	258	127.0	1.0	0.012	0.000	0.008	0.004	0.0	0.0	...	53.0	191.0	12.0	1.0	133.0	126.0	131.0	41
2	PA1003	479	145.0	0.0	0.000	0.000	0.000	0.002	0.0	0.0	...	111.0	157.0	1.0	1.0	150.0	146.0	149.0	6
3	PA1004	906	146.0	0.0	0.004	0.000	0.005	0.003	0.0	0.0	...	107.0	169.0	2.0	2.0	150.0	147.0	149.0	7
4	PA1005	1921	140.0	0.0	0.002	0.003	0.006	0.006	0.0	0.0	...	75.0	228.0	9.0	0.0	142.0	118.0	142.0	2C

5 rows × 26 columns

In [14]:
```python
#create new x train and y train etc.

#get the data out, leaving behind the target column (last feature).
X = health_data.iloc[:, 1:-1]
#extract the target column.
y = health_data["target"]

print(X)
print(y)
```

```
          x1     x2    x3      x4      x5      x6      x7    x8      x9    x10  ...  \
0       1406  145.0   0.0   0.005   0.000   0.002   0.000   0.0   0.000   46.0  ...
1        258  127.0   1.0   0.012   0.000   0.008   0.004   0.0   0.000   13.0  ...
2        479  145.0   0.0   0.000   0.000   0.000   0.002   0.0   0.000   57.0  ...
3        906  146.0   0.0   0.004   0.000   0.005   0.003   0.0   0.000   29.0  ...
4       1921  140.0   0.0   0.002   0.003   0.006   0.006   0.0   0.000   62.0  ...
...      ...    ...   ...     ...     ...     ...     ...   ...     ...    ...  ...
1579    2077  130.0   1.0   0.005   0.001   0.001   0.000   0.0   0.000   72.0  ...
1580     664  138.0   0.0   0.000   0.003   0.003   0.000   0.0   0.002   60.0  ...
1581    1431  144.0   0.0   0.000   0.000   0.006   0.000   0.0   0.000   45.0  ...
1582     630  134.0   0.0   0.017   0.002   0.004   0.000   0.0   0.000   48.0  ...
1583     436  151.0   0.0   0.000   0.000   0.006   0.006   0.0   0.000   64.0  ...

         x15    x16    x17   x18   x19    x20    x21    x22   x23   x24
0       67.0  104.0  171.0   4.0   0.0  155.0  153.0  154.0   4.0   1.0
1      138.0   53.0  191.0  12.0   1.0  133.0  126.0  131.0  41.0   0.0
2       46.0  111.0  157.0   1.0   1.0  150.0  146.0  149.0   6.0   1.0
3       62.0  107.0  169.0   2.0   2.0  150.0  147.0  149.0   7.0   0.0
```

```
4     153.0   75.0  228.0    9.0  0.0  142.0  118.0  142.0  20.0  0.0
...     ...    ...    ...    ...  ...    ...    ...    ...   ...  ...
1579   31.0  127.0  158.0    2.0  0.0  139.0  139.0  140.0   3.0  0.0
1580  118.0   69.0  187.0   10.0  1.0  142.0  130.0  140.0  61.0  0.0
1581   30.0  139.0  169.0    2.0  0.0  157.0  155.0  157.0   2.0  0.0
1582  120.0   50.0  170.0    5.0  0.0  160.0  150.0  155.0  28.0  1.0
1583  150.0   50.0  200.0   11.0  2.0  156.0  150.0  156.0  38.0  1.0

[1584 rows x 24 columns]
0        1
1        1
2        1
3        1
4        1
        ..
1579     1
1580     2
1581     2
1582     1
1583     2
Name: target, Length: 1584, dtype: int32
```

In [15]:
```python
from sklearn.model_selection import train_test_split


X_train, X_validate, y_train, y_validate = train_test_split(X, y, test_size=0.3, random_st
```

CLEANED UP TO HERE

In [16]:
```python
#paste in code from before but remove references to encoder
from sklearn.impute import SimpleImputer
from sklearn.experimental import enable_iterative_imputer
from sklearn.impute import IterativeImputer
from sklearn.neighbors import KNeighborsRegressor
from sklearn.linear_model import BayesianRidge, Ridge
from sklearn.impute import KNNImputer
from sklearn.preprocessing import OrdinalEncoder
from sklearn.svm import OneClassSVM

imputer_params = [
    (SimpleImputer, {"strategy" : ["mean", "median", "most_frequent",]}),
    (IterativeImputer, {"estimator" : [BayesianRidge(), KNeighborsRegressor(n_neighbors =
                        "max_iter" : [5, 10, 20],
                        "random_state" : [1234]}),
    (KNNImputer, {"n_neighbors" : [5,10,20,30]})
]
#choosing to omit "constant" strategy, as it is just filling in all missing values with a
#need to check how my missing values are represented - I assume np.nan

imputers = [ctor(**para) for ctor, paras in imputer_params for para in ParameterGrid(paras
print(imputers)


params = dict(imputer = imputers, clf = [SVC()])
params
```

```
[SimpleImputer(), SimpleImputer(strategy='median'), SimpleImputer(strategy='most_frequen
t'), IterativeImputer(estimator=BayesianRidge(), max_iter=5, random_state=1234), Iterative
Imputer(estimator=BayesianRidge(), random_state=1234), IterativeImputer(estimator=Bayesian
Ridge(), max_iter=20, random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n
_neighbors=15), max_iter=5,
                 random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n_neig
hbors=15),
                 random_state=1234), IterativeImputer(estimator=KNeighborsRegressor(n_neig
hbors=15), max_iter=20,
```

Out[16]:
```
{'imputer': [SimpleImputer(),
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  SimpleImputer(strategy='most_frequent'),
  IterativeImputer(estimator=BayesianRidge(), max_iter=5, random_state=1234),
  IterativeImputer(estimator=BayesianRidge(), random_state=1234),
  IterativeImputer(estimator=BayesianRidge(), max_iter=20, random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=15), max_iter=5,
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=15),
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=15), max_iter=20,
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=7), max_iter=5,
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=7),
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=7), max_iter=20,
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=25), max_iter=5,
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=25),
                   random_state=1234),
  IterativeImputer(estimator=KNeighborsRegressor(n_neighbors=25), max_iter=20,
                   random_state=1234),
  KNNImputer(),
  KNNImputer(n_neighbors=10),
  KNNImputer(n_neighbors=20),
  KNNImputer(n_neighbors=30)],
 'clf': [SVC()]}
```

In [17]:
```python
from sklearn.model_selection import GridSearchCV
from sklearn.pipeline import Pipeline


process = [("imputer", SimpleImputer()), ("clf", SVC())]

clf_cv = GridSearchCV(Pipeline(process), params)

clf_cv.fit(X_train, y_train)
score = clf_cv.score(X_train, y_train)
print(score)

print(clf_cv.best_params_)
```

```
0.7842960288808665
{'clf': SVC(), 'imputer': SimpleImputer()}
```

gridsearcchcv uses the scoring system for the clf provided, which in this case is SVC. https://scikit-learn.org/stable/modules/generated/sklearn.model_selection.GridSearchCV.html#:~:text=provided%2C%20and%20t Parameters%3A this means that this is scored using mean accuracy. https://scikit-

Outlier removal

Outlier removal cannot be done in a pipeline - there is no transform method. Therefore, I am wrapping isolationforest in a transformer to try to make it work in a pipeline

In [27]:
```python
from sklearn.base import TransformerMixin
from sklearn.ensemble import IsolationForest

class IsolationForestPipePart(TransformerMixin):

    def __init__(self, **kwargs):
        """Impute missing values.

        Columns of dtype object are imputed with the most frequent value
        in column.

        Columns of other types are imputed with mean of column.

        """
        #we are getting the keyword arguments used when we set up the pipe part, so the is
        self.kwargs = kwargs
        self.iso = IsolationForest(**self.kwargs)

    def fit(self, X, y=None):

        #when fit is ran, fit on the isolation forest
        self.iso.fit(X)

        return self

    def transform(self, X, y):

        #predict the outliers
        preds = self.iso.predict(X)

        totalOutliers=0
        for pred in preds:
            if pred == -1:
                totalOutliers=totalOutliers+1
        #print("Total number of outliers identified is: ",totalOutliers)

        # select all rows that are not outliers and create a boolean mask
        mask = preds != -1

        ##### Apply mask to X and y and check shape
        print("X Before: ", X.shape)
        print("X After: ", X[mask].shape)


        if y is not None:
            print("y Before: ", y.shape)
            #print("y After: ", self.y[mask].shape)
            return (X[mask], y[mask])
        else:
            return X[mask]

X_train_imputed = SimpleImputer().fit_transform(X_train, y_train)
myIsoPipe = IsolationForestPipePart(max_samples=31258, random_state = 1, contamination= 0.
myIsoPipe.fit(X_train_imputed, y_train)
```

```
X_train_transformed, y_train_transformed = myIsoPipe.transform(X_train_imputed, y_train)
print(X_train.shape)
print(X_train_transformed.shape)
print(y_train.shape)
print(y_train_transformed.shape)
#print(y_validate_transformed)
```

```
X Before:  (1108, 24)
X After:  (1096, 24)
y Before:  (1108,)
(1108, 24)
(1096, 24)
(1108,)
(1096,)
```

Seems to be working

In [31]:

```python
#the same pipe part, but any outlier detector can be passed in
from sklearn.neighbors import LocalOutlierFactor
from sklearn.base import TransformerMixin
class OutlierDetectionPipePart(TransformerMixin):

    def __init__(self, **kwargs):
        """Impute missing values.

        Columns of dtype object are imputed with the most frequent value
        in column.

        Columns of other types are imputed with mean of column.

        """
        #we are getting the keyword arguments used when we set up the pipe part, so the ou
        self.outlierStrat = kwargs.pop("strategy", IsolationForest())
        self.kwargs = kwargs
        self.outlierStrat.set_params(**self.kwargs)

    def fit(self, X, y=None):

        self.outlierStrat.fit(X)

        return self
#maybe change y so it doesnt = none
    def transform(self, X, y=None):

        preds = self.outlierStrat.predict(X)

        totalOutliers=0
        for pred in preds:
            if pred == -1:
                totalOutliers=totalOutliers+1
        #print("Total number of outliers identified is: ",totalOutliers)

        # select all rows that are not outliers and create a boolean mask
        mask = preds != -1

        if y is not None:
            #print("y Before: ", y.shape)
            #print("y After: ", self.y[mask].shape)
            return (X[mask], y[mask])
        else:
            return X[mask]
```

```
X_train_imputed = SimpleImputer().fit_transform(X_train, y_train)
myIsoPipe = OutlierDetectionPipePart(strategy = IsolationForest(), max_samples=31258, rand
myIsoPipe.fit(X_train_imputed, y_train)
X_train_transformed, y_train_transformed = myIsoPipe.transform(X_train_imputed, y_train)
print(X_train.shape)
print(X_train_transformed.shape)
print(y_train.shape)
print(y_train_transformed.shape)

#setting novelty to true, LOF should only be used to transform things which arent the trai
myIsoPipe = OutlierDetectionPipePart(strategy = LocalOutlierFactor(),n_neighbors=20, conta
myIsoPipe.fit(X_train_imputed, y_train)
X_train_transformed, y_train_transformed = myIsoPipe.transform(X_train_imputed, y_train)
print(X_train.shape)
print(X_train_transformed.shape)
print(y_train.shape)
print(y_train_transformed.shape)
#print(y_validate_transformed)
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\ensemble\_iforest.py:307: UserWarning: m
ax_samples (31258) is greater than the total number of samples (1108). max_samples will be
set to n_samples for estimation.
  warn(
(1108, 24)
(1096, 24)
(1108,)
(1096,)
(1108, 24)
(1098, 24)
(1108,)
(1098,)
```

In [32]:
```
outlier_params = [
    (IsolationForestPipePart, {
        "n_estimators" : [10, 50, 100, 200],
        "max_samples" : ["auto", 128, 256, 516, 1024],
        "contamination" : ["auto", 0.01, 0.05, 0.1, 0.25, 0.5]
    })
]

#loop through outlier_params, and make a list of every combination of each paramater
outliers = [ctor(**para) for ctor, paras in outlier_params for para in ParameterGrid(paras
print(outliers)

params2 = dict(outlier = outliers, clf = [SVC()])
params2
```

```
[<__main__.IsolationForestPipePart object at 0x00000265B5429BB0>, <__main__.IsolationFores
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```

Out[32]:
```
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           <__main__.IsolationForestPipePart at 0x265b19cefa0>,
           <__main__.IsolationForestPipePart at 0x265ae7c2e50>,
           <__main__.IsolationForestPipePart at 0x265b5421e50>,
           <__main__.IsolationForestPipePart at 0x265b5421af0>,
           <__main__.IsolationForestPipePart at 0x265b5421220>,
           <__main__.IsolationForestPipePart at 0x265b541be50>,
           <__main__.IsolationForestPipePart at 0x265b19de5e0>,
           <__main__.IsolationForestPipePart at 0x265b19cebe0>,
           <__main__.IsolationForestPipePart at 0x265b19ce2e0>,
           <__main__.IsolationForestPipePart at 0x265b19ce670>,
           <__main__.IsolationForestPipePart at 0x265b19ce730>,
           <__main__.IsolationForestPipePart at 0x265b19ce490>,
           <__main__.IsolationForestPipePart at 0x265b19ce280>,
           <__main__.IsolationForestPipePart at 0x265b19ce1c0>,
           <__main__.IsolationForestPipePart at 0x265b525e8b0>,
           <__main__.IsolationForestPipePart at 0x265b525e8e0>,
           <__main__.IsolationForestPipePart at 0x265b525e580>,
           <__main__.IsolationForestPipePart at 0x265b525e850>,
           <__main__.IsolationForestPipePart at 0x265b19b4130>,
           <__main__.IsolationForestPipePart at 0x265b19b4760>,
           <__main__.IsolationForestPipePart at 0x265b5172fa0>,
           <__main__.IsolationForestPipePart at 0x265b19c3eb0>,
           <__main__.IsolationForestPipePart at 0x265ab214430>,
           <__main__.IsolationForestPipePart at 0x265b540b3a0>,
           <__main__.IsolationForestPipePart at 0x265b540bfd0>,
           <__main__.IsolationForestPipePart at 0x265b540b2b0>,
           <__main__.IsolationForestPipePart at 0x265b540baf0>,
           <__main__.IsolationForestPipePart at 0x265b540bc10>,
           <__main__.IsolationForestPipePart at 0x265b5403790>,
           <__main__.IsolationForestPipePart at 0x265b5403280>,
           <__main__.IsolationForestPipePart at 0x265b5403550>,
           <__main__.IsolationForestPipePart at 0x265b5403ee0>,
           <__main__.IsolationForestPipePart at 0x265b5403700>,
           <__main__.IsolationForestPipePart at 0x265b5401700>,
           <__main__.IsolationForestPipePart at 0x265b5401f40>,
           <__main__.IsolationForestPipePart at 0x265b5401ee0>,
           <__main__.IsolationForestPipePart at 0x265b5401a00>,
           <__main__.IsolationForestPipePart at 0x265b5401670>,
           <__main__.IsolationForestPipePart at 0x265b53ff7c0>],
          'clf': [SVC()]}
```

In [33]:

```python
process = [("outlier", IsolationForestPipePart()), ("clf", SVC())]

clf_cv = GridSearchCV(Pipeline(process), params2)
```

```
clf_cv.fit(X_train, y_train)
score = clf_cv.score(X_validate, y_validate)
print(score)


print(clf_cv.best_params_)
```

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_18120/2999149146.py in <module>
      3 clf_cv = GridSearchCV(Pipeline(process), params2)
      4
----> 5 clf_cv.fit(X_train, y_train)
      6 score = clf_cv.score(X_validate, y_validate)
      7 print(score)

~\anaconda3\lib\site-packages\sklearn\model_selection\_search.py in fit(self, X, y, group
s, **fit_params)
    872                 return results
    873
--> 874             self._run_search(evaluate_candidates)
    875
    876             # multimetric is determined here because in the case of a callable

~\anaconda3\lib\site-packages\sklearn\model_selection\_search.py in _run_search(self, eval
uate_candidates)
   1386     def _run_search(self, evaluate_candidates):
   1387         """Search all candidates in param_grid"""
-> 1388         evaluate_candidates(ParameterGrid(self.param_grid))
   1389
   1390

~\anaconda3\lib\site-packages\sklearn\model_selection\_search.py in evaluate_candidates(ca
ndidate_params, cv, more_results)
    849                     )
    850
--> 851                 _warn_or_raise_about_fit_failures(out, self.error_score)
    852
    853                 # For callable self.scoring, the return type is only know after

~\anaconda3\lib\site-packages\sklearn\model_selection\_validation.py in _warn_or_raise_abo
ut_fit_failures(results, error_score)
    365                 f"Below are more details about the failures:\n{fit_errors_summar
y}"
    366             )
--> 367             raise ValueError(all_fits_failed_message)
    368
    369         else:

ValueError:
All the 600 fits failed.
It is very likely that your model is misconfigured.
You can try to debug the error by setting error_score='raise'.

Below are more details about the failures:
--------------------------------------------------------------------------------
600 fits failed with the following error:
Traceback (most recent call last):
  File "C:\Users\Will\anaconda3\lib\site-packages\sklearn\model_selection\_validation.py",
 line 686, in _fit_and_score
    estimator.fit(X_train, y_train, **fit_params)
  File "C:\Users\Will\anaconda3\lib\site-packages\sklearn\pipeline.py", line 401, in fit
    Xt = self._fit(X, y, **fit_params_steps)
  File "C:\Users\Will\anaconda3\lib\site-packages\sklearn\pipeline.py", line 359, in _fit
    X, fitted_transformer = fit_transform_one_cached(
  File "C:\Users\Will\anaconda3\lib\site-packages\joblib\memory.py", line 349, in __call__
```

```
    return self.func(*args, **kwargs)
  File "C:\Users\Will\anaconda3\lib\site-packages\sklearn\pipeline.py", line 893, in _fit_
transform_one
    res = transformer.fit_transform(X, y, **fit_params)
  File "C:\Users\Will\anaconda3\lib\site-packages\sklearn\utils\_set_output.py", line 140,
 in wrapped
    data_to_wrap = f(self, X, *args, **kwargs)
  File "C:\Users\Will\anaconda3\lib\site-packages\sklearn\base.py", line 881, in fit_trans
form
    return self.fit(X, y, **fit_params).transform(X)
  File "C:\Users\Will\AppData\Local\Temp/ipykernel_18120/1983944836.py", line 21, in fit
    self.iso.fit(X)
  File "C:\Users\Will\anaconda3\lib\site-packages\sklearn\ensemble\_iforest.py", line 290,
 in fit
    X = self._validate_data(X, accept_sparse=["csc"], dtype=tree_dtype)
  File "C:\Users\Will\anaconda3\lib\site-packages\sklearn\base.py", line 565, in _validate
_data
    X = check_array(X, input_name="X", **check_params)
  File "C:\Users\Will\anaconda3\lib\site-packages\sklearn\utils\validation.py", line 921,
 in check_array
    _assert_all_finite(
  File "C:\Users\Will\anaconda3\lib\site-packages\sklearn\utils\validation.py", line 161,
 in _assert_all_finite
    raise ValueError(msg_err)
ValueError: Input X contains NaN.
IsolationForest does not accept missing values encoded as NaN natively. For supervised lea
rning, you might want to consider sklearn.ensemble.HistGradientBoostingClassifier and Regr
essor which accept missing values encoded as NaNs natively. Alternatively, it is possible
 to preprocess the data, for instance by using an imputer transformer in a pipeline or dro
p samples with missing values. See https://scikit-learn.org/stable/modules/impute.html You
 can find a list of all estimators that handle NaN values at the following page: https://s
cikit-learn.org/stable/modules/impute.html#estimators-that-handle-nan-values
```

I don't think im ever going to be able to have outlier removal in a pipeline. Even if I create a custom transformer
which implements "fit" and "transform", pipelines do not always pass in the y values by default - meaning that
the y values cannot be transformed, meaning that when outlier rows are deleted from x, there are too many
rows in y, as none have been deleted. I could try doing the steps then cross validating tho?

In [46]:
```python
from sklearn.ensemble import IsolationForest
#finding all combos of isolation forest params

outlier_params = [
    (IsolationForest, {
        "n_estimators" : [10, 50, 100, 200],
        "max_samples" : ["auto", 128, 256, 516, 1024],
        "contamination" : ["auto", 0.01, 0.05, 0.1, 0.25, 0.5],
        "random_state" : [1]
    })
]

iso_outliers = [ctor(**para) for ctor, paras in outlier_params for para in ParameterGrid(p
print(iso_outliers)
```

```
[IsolationForest(n_estimators=10, random_state=1), IsolationForest(n_estimators=50, random
_state=1), IsolationForest(random_state=1), IsolationForest(n_estimators=200, random_state
=1), IsolationForest(max_samples=128, n_estimators=10, random_state=1), IsolationForest(ma
x_samples=128, n_estimators=50, random_state=1), IsolationForest(max_samples=128, random_s
tate=1), IsolationForest(max_samples=128, n_estimators=200, random_state=1), IsolationFore
st(max_samples=256, n_estimators=10, random_state=1), IsolationForest(max_samples=256, n_e
stimators=50, random_state=1), IsolationForest(max_samples=256, random_state=1), Isolation
Forest(max_samples=256, n_estimators=200, random_state=1), IsolationForest(max_samples=51
6, n_estimators=10, random_state=1), IsolationForest(max_samples=516, n_estimators=50, ran
dom_state=1), IsolationForest(max_samples=516, random_state=1), IsolationForest(max_sample
s=516, n_estimators=200, random_state=1), IsolationForest(max_samples=1024, n_estimators=1
```

```
0, random_state=1), IsolationForest(max_samples=1024, n_estimators=50, random_state=1), Is
olationForest(max_samples=1024, random_state=1), IsolationForest(max_samples=1024, n_estim
ators=200, random_state=1), IsolationForest(contamination=0.01, n_estimators=10, random_st
ate=1), IsolationForest(contamination=0.01, n_estimators=50, random_state=1), IsolationFor
est(contamination=0.01, random_state=1), IsolationForest(contamination=0.01, n_estimators=
200, random_state=1), IsolationForest(contamination=0.01, max_samples=128, n_estimators=1
0,
                 random_state=1), IsolationForest(contamination=0.01, max_samples=128, n_es
timators=50,
                 random_state=1), IsolationForest(contamination=0.01, max_samples=128, rand
om_state=1), IsolationForest(contamination=0.01, max_samples=128, n_estimators=200,
                 random_state=1), IsolationForest(contamination=0.01, max_samples=256, n_es
timators=10,
                 random_state=1), IsolationForest(contamination=0.01, max_samples=256, n_es
timators=50,
                 random_state=1), IsolationForest(contamination=0.01, max_samples=256, rand
om_state=1), IsolationForest(contamination=0.01, max_samples=256, n_estimators=200,
                 random_state=1), IsolationForest(contamination=0.01, max_samples=516, n_es
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                 random_state=1), IsolationForest(contamination=0.01, max_samples=516, n_es
timators=50,
                 random_state=1), IsolationForest(contamination=0.01, max_samples=516, rand
om_state=1), IsolationForest(contamination=0.01, max_samples=516, n_estimators=200,
                 random_state=1), IsolationForest(contamination=0.01, max_samples=1024, n_e
stimators=10,
                 random_state=1), IsolationForest(contamination=0.01, max_samples=1024, n_e
stimators=50,
                 random_state=1), IsolationForest(contamination=0.01, max_samples=1024, ran
dom_state=1), IsolationForest(contamination=0.01, max_samples=1024, n_estimators=200,
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om_state=1), IsolationForest(contamination=0.05, n_estimators=50, random_state=1), Isolati
onForest(contamination=0.05, random_state=1), IsolationForest(contamination=0.05, n_estima
tors=200, random_state=1), IsolationForest(contamination=0.05, max_samples=128, n_estimato
rs=10,
                 random_state=1), IsolationForest(contamination=0.05, max_samples=128, n_es
timators=50,
                 random_state=1), IsolationForest(contamination=0.05, max_samples=128, rand
om_state=1), IsolationForest(contamination=0.05, max_samples=128, n_estimators=200,
                 random_state=1), IsolationForest(contamination=0.05, max_samples=256, n_es
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                 random_state=1), IsolationForest(contamination=0.05, max_samples=256, n_es
timators=50,
                 random_state=1), IsolationForest(contamination=0.05, max_samples=256, rand
om_state=1), IsolationForest(contamination=0.05, max_samples=256, n_estimators=200,
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timators=50,
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                 random_state=1), IsolationForest(contamination=0.05, max_samples=1024, ran
dom_state=1), IsolationForest(contamination=0.05, max_samples=1024, n_estimators=200,
                 random_state=1), IsolationForest(contamination=0.1, n_estimators=10, rando
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                 random_state=1), IsolationForest(contamination=0.1, max_samples=128, rando
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                 random_state=1), IsolationForest(contamination=0.1, max_samples=256, n_est
```

```
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                random_state=1), IsolationForest(contamination=0.1, max_samples=256, rando
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                random_state=1), IsolationForest(contamination=0.1, max_samples=516, rando
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                random_state=1), IsolationForest(contamination=0.1, max_samples=1024, n_es
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                random_state=1), IsolationForest(contamination=0.1, max_samples=1024, rand
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tors=200, random_state=1), IsolationForest(contamination=0.25, max_samples=128, n_estimato
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                random_state=1), IsolationForest(contamination=0.25, max_samples=256, n_es
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                random_state=1), IsolationForest(contamination=0.25, max_samples=256, rand
om_state=1), IsolationForest(contamination=0.25, max_samples=256, n_estimators=200,
                random_state=1), IsolationForest(contamination=0.25, max_samples=516, n_es
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                random_state=1), IsolationForest(contamination=0.25, max_samples=516, n_es
timators=50,
                random_state=1), IsolationForest(contamination=0.25, max_samples=516, rand
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                random_state=1), IsolationForest(contamination=0.25, max_samples=1024, n_e
stimators=10,
                random_state=1), IsolationForest(contamination=0.25, max_samples=1024, n_e
stimators=50,
                random_state=1), IsolationForest(contamination=0.25, max_samples=1024, ran
dom_state=1), IsolationForest(contamination=0.25, max_samples=1024, n_estimators=200,
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m_state=1), IsolationForest(contamination=0.5, n_estimators=50, random_state=1), Isolation
Forest(contamination=0.5, random_state=1), IsolationForest(contamination=0.5, n_estimators
=200, random_state=1), IsolationForest(contamination=0.5, max_samples=128, n_estimators=1
0,
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                random_state=1), IsolationForest(contamination=0.5, max_samples=128, rando
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                random_state=1), IsolationForest(contamination=0.5, max_samples=256, rando
m_state=1), IsolationForest(contamination=0.5, max_samples=256, n_estimators=200,
                random_state=1), IsolationForest(contamination=0.5, max_samples=516, n_est
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                random_state=1), IsolationForest(contamination=0.5, max_samples=516, n_est
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                random_state=1), IsolationForest(contamination=0.5, max_samples=516, rando
m_state=1), IsolationForest(contamination=0.5, max_samples=516, n_estimators=200,
                random_state=1), IsolationForest(contamination=0.5, max_samples=1024, n_es
```

```
        timators=10,
                       random_state=1), IsolationForest(contamination=0.5, max_samples=1024, n_es
        timators=50,
                       random_state=1), IsolationForest(contamination=0.5, max_samples=1024, rand
        om_state=1), IsolationForest(contamination=0.5, max_samples=1024, n_estimators=200,
                       random_state=1)]
```

In [47]:
```python
params3 = dict(outlier = iso_outliers, clf = [SVC()])
params3
```

Out[47]:
```
{'outlier': [IsolationForest(n_estimators=10, random_state=1),
  IsolationForest(n_estimators=50, random_state=1),
  IsolationForest(random_state=1),
  IsolationForest(n_estimators=200, random_state=1),
  IsolationForest(max_samples=128, n_estimators=10, random_state=1),
  IsolationForest(max_samples=128, n_estimators=50, random_state=1),
  IsolationForest(max_samples=128, random_state=1),
  IsolationForest(max_samples=128, n_estimators=200, random_state=1),
  IsolationForest(max_samples=256, n_estimators=10, random_state=1),
  IsolationForest(max_samples=256, n_estimators=50, random_state=1),
  IsolationForest(max_samples=256, random_state=1),
  IsolationForest(max_samples=256, n_estimators=200, random_state=1),
  IsolationForest(max_samples=516, n_estimators=10, random_state=1),
  IsolationForest(max_samples=516, n_estimators=50, random_state=1),
  IsolationForest(max_samples=516, random_state=1),
  IsolationForest(max_samples=516, n_estimators=200, random_state=1),
  IsolationForest(max_samples=1024, n_estimators=10, random_state=1),
  IsolationForest(max_samples=1024, n_estimators=50, random_state=1),
  IsolationForest(max_samples=1024, random_state=1),
  IsolationForest(max_samples=1024, n_estimators=200, random_state=1),
  IsolationForest(contamination=0.01, n_estimators=10, random_state=1),
  IsolationForest(contamination=0.01, n_estimators=50, random_state=1),
  IsolationForest(contamination=0.01, random_state=1),
  IsolationForest(contamination=0.01, n_estimators=200, random_state=1),
  IsolationForest(contamination=0.01, max_samples=128, n_estimators=10,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=128, n_estimators=50,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=128, random_state=1),
  IsolationForest(contamination=0.01, max_samples=128, n_estimators=200,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=256, n_estimators=10,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=256, n_estimators=50,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=256, random_state=1),
  IsolationForest(contamination=0.01, max_samples=256, n_estimators=200,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=516, n_estimators=10,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=516, n_estimators=50,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=516, random_state=1),
  IsolationForest(contamination=0.01, max_samples=516, n_estimators=200,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=1024, n_estimators=10,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=1024, n_estimators=50,
                  random_state=1),
  IsolationForest(contamination=0.01, max_samples=1024, random_state=1),
  IsolationForest(contamination=0.01, max_samples=1024, n_estimators=200,
                  random_state=1),
  IsolationForest(contamination=0.05, n_estimators=10, random_state=1),
  IsolationForest(contamination=0.05, n_estimators=50, random_state=1),
  IsolationForest(contamination=0.05, random_state=1),
```

```
                IsolationForest(contamination=0.05, n_estimators=200, random_state=1),
                IsolationForest(contamination=0.05, max_samples=128, n_estimators=10,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=128, n_estimators=50,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=128, random_state=1),
                IsolationForest(contamination=0.05, max_samples=128, n_estimators=200,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=256, n_estimators=10,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=256, n_estimators=50,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=256, random_state=1),
                IsolationForest(contamination=0.05, max_samples=256, n_estimators=200,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=516, n_estimators=10,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=516, n_estimators=50,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=516, random_state=1),
                IsolationForest(contamination=0.05, max_samples=516, n_estimators=200,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=1024, n_estimators=10,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=1024, n_estimators=50,
                          random_state=1),
                IsolationForest(contamination=0.05, max_samples=1024, random_state=1),
                IsolationForest(contamination=0.05, max_samples=1024, n_estimators=200,
                          random_state=1),
                IsolationForest(contamination=0.1, n_estimators=10, random_state=1),
                IsolationForest(contamination=0.1, n_estimators=50, random_state=1),
                IsolationForest(contamination=0.1, random_state=1),
                IsolationForest(contamination=0.1, n_estimators=200, random_state=1),
                IsolationForest(contamination=0.1, max_samples=128, n_estimators=10,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=128, n_estimators=50,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=128, random_state=1),
                IsolationForest(contamination=0.1, max_samples=128, n_estimators=200,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=256, n_estimators=10,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=256, n_estimators=50,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=256, random_state=1),
                IsolationForest(contamination=0.1, max_samples=256, n_estimators=200,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=516, n_estimators=10,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=516, n_estimators=50,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=516, random_state=1),
                IsolationForest(contamination=0.1, max_samples=516, n_estimators=200,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=1024, n_estimators=10,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=1024, n_estimators=50,
                          random_state=1),
                IsolationForest(contamination=0.1, max_samples=1024, random_state=1),
                IsolationForest(contamination=0.1, max_samples=1024, n_estimators=200,
                          random_state=1),
                IsolationForest(contamination=0.25, n_estimators=10, random_state=1),
                IsolationForest(contamination=0.25, n_estimators=50, random_state=1),
                IsolationForest(contamination=0.25, random_state=1),
                IsolationForest(contamination=0.25, n_estimators=200, random_state=1),
                IsolationForest(contamination=0.25, max_samples=128, n_estimators=10,
```

```
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=128, n_estimators=50,
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=128, random_state=1),
          IsolationForest(contamination=0.25, max_samples=128, n_estimators=200,
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=256, n_estimators=10,
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=256, n_estimators=50,
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=256, random_state=1),
          IsolationForest(contamination=0.25, max_samples=256, n_estimators=200,
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=516, n_estimators=10,
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=516, n_estimators=50,
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=516, random_state=1),
          IsolationForest(contamination=0.25, max_samples=516, n_estimators=200,
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=1024, n_estimators=10,
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=1024, n_estimators=50,
                          random_state=1),
          IsolationForest(contamination=0.25, max_samples=1024, random_state=1),
          IsolationForest(contamination=0.25, max_samples=1024, n_estimators=200,
                          random_state=1),
          IsolationForest(contamination=0.5, n_estimators=10, random_state=1),
          IsolationForest(contamination=0.5, n_estimators=50, random_state=1),
          IsolationForest(contamination=0.5, random_state=1),
          IsolationForest(contamination=0.5, n_estimators=200, random_state=1),
          IsolationForest(contamination=0.5, max_samples=128, n_estimators=10,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=128, n_estimators=50,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=128, random_state=1),
          IsolationForest(contamination=0.5, max_samples=128, n_estimators=200,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=256, n_estimators=10,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=256, n_estimators=50,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=256, random_state=1),
          IsolationForest(contamination=0.5, max_samples=256, n_estimators=200,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=516, n_estimators=10,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=516, n_estimators=50,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=516, random_state=1),
          IsolationForest(contamination=0.5, max_samples=516, n_estimators=200,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=1024, n_estimators=10,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=1024, n_estimators=50,
                          random_state=1),
          IsolationForest(contamination=0.5, max_samples=1024, random_state=1),
          IsolationForest(contamination=0.5, max_samples=1024, n_estimators=200,
                          random_state=1)],
        'clf': [SVC()]}
```

In [48]:
```python
diff_iso_forests = [IsolationForest(n_estimators=10, random_state=1),
  IsolationForest(n_estimators=50, random_state=1),
  IsolationForest(random_state=1),
  IsolationForest(n_estimators=200, random_state=1),
```

```
IsolationForest(max_samples=128, n_estimators=10, random_state=1),
IsolationForest(max_samples=128, n_estimators=50, random_state=1),
IsolationForest(max_samples=128, random_state=1),
IsolationForest(max_samples=128, n_estimators=200, random_state=1),
IsolationForest(max_samples=256, n_estimators=10, random_state=1),
IsolationForest(max_samples=256, n_estimators=50, random_state=1),
IsolationForest(max_samples=256, random_state=1),
IsolationForest(max_samples=256, n_estimators=200, random_state=1),
IsolationForest(max_samples=516, n_estimators=10, random_state=1),
IsolationForest(max_samples=516, n_estimators=50, random_state=1),
IsolationForest(max_samples=516, random_state=1),
IsolationForest(max_samples=516, n_estimators=200, random_state=1),
IsolationForest(max_samples=1024, n_estimators=10, random_state=1),
IsolationForest(max_samples=1024, n_estimators=50, random_state=1),
IsolationForest(max_samples=1024, random_state=1),
IsolationForest(max_samples=1024, n_estimators=200, random_state=1),
IsolationForest(contamination=0.01, n_estimators=10, random_state=1),
IsolationForest(contamination=0.01, n_estimators=50, random_state=1),
IsolationForest(contamination=0.01, random_state=1),
IsolationForest(contamination=0.01, n_estimators=200, random_state=1),
IsolationForest(contamination=0.01, max_samples=128, n_estimators=10,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=128, n_estimators=50,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=128, random_state=1),
IsolationForest(contamination=0.01, max_samples=128, n_estimators=200,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=256, n_estimators=10,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=256, n_estimators=50,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=256, random_state=1),
IsolationForest(contamination=0.01, max_samples=256, n_estimators=200,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=516, n_estimators=10,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=516, n_estimators=50,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=516, random_state=1),
IsolationForest(contamination=0.01, max_samples=516, n_estimators=200,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=1024, n_estimators=10,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=1024, n_estimators=50,
                random_state=1),
IsolationForest(contamination=0.01, max_samples=1024, random_state=1),
IsolationForest(contamination=0.01, max_samples=1024, n_estimators=200,
                random_state=1),
IsolationForest(contamination=0.05, n_estimators=10, random_state=1),
IsolationForest(contamination=0.05, n_estimators=50, random_state=1),
IsolationForest(contamination=0.05, random_state=1),
IsolationForest(contamination=0.05, n_estimators=200, random_state=1),
IsolationForest(contamination=0.05, max_samples=128, n_estimators=10,
                random_state=1),
IsolationForest(contamination=0.05, max_samples=128, n_estimators=50,
                random_state=1),
IsolationForest(contamination=0.05, max_samples=128, random_state=1),
IsolationForest(contamination=0.05, max_samples=128, n_estimators=200,
                random_state=1),
IsolationForest(contamination=0.05, max_samples=256, n_estimators=10,
                random_state=1),
IsolationForest(contamination=0.05, max_samples=256, n_estimators=50,
                random_state=1),
IsolationForest(contamination=0.05, max_samples=256, random_state=1),
IsolationForest(contamination=0.05, max_samples=256, n_estimators=200,
                random_state=1),
```

```
         IsolationForest(contamination=0.05, max_samples=516, n_estimators=10,
                          random_state=1),
         IsolationForest(contamination=0.05, max_samples=516, n_estimators=50,
                          random_state=1),
         IsolationForest(contamination=0.05, max_samples=516, random_state=1),
         IsolationForest(contamination=0.05, max_samples=516, n_estimators=200,
                          random_state=1),
         IsolationForest(contamination=0.05, max_samples=1024, n_estimators=10,
                          random_state=1),
         IsolationForest(contamination=0.05, max_samples=1024, n_estimators=50,
                          random_state=1),
         IsolationForest(contamination=0.05, max_samples=1024, random_state=1),
         IsolationForest(contamination=0.05, max_samples=1024, n_estimators=200,
                          random_state=1),
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         IsolationForest(contamination=0.1, n_estimators=50, random_state=1),
         IsolationForest(contamination=0.1, random_state=1),
         IsolationForest(contamination=0.1, n_estimators=200, random_state=1),
         IsolationForest(contamination=0.1, max_samples=128, n_estimators=10,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=128, n_estimators=50,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=128, random_state=1),
         IsolationForest(contamination=0.1, max_samples=128, n_estimators=200,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=256, n_estimators=10,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=256, n_estimators=50,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=256, random_state=1),
         IsolationForest(contamination=0.1, max_samples=256, n_estimators=200,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=516, n_estimators=10,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=516, n_estimators=50,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=516, random_state=1),
         IsolationForest(contamination=0.1, max_samples=516, n_estimators=200,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=1024, n_estimators=10,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=1024, n_estimators=50,
                          random_state=1),
         IsolationForest(contamination=0.1, max_samples=1024, random_state=1),
         IsolationForest(contamination=0.1, max_samples=1024, n_estimators=200,
                          random_state=1),
         IsolationForest(contamination=0.25, n_estimators=10, random_state=1),
         IsolationForest(contamination=0.25, n_estimators=50, random_state=1),
         IsolationForest(contamination=0.25, random_state=1),
         IsolationForest(contamination=0.25, n_estimators=200, random_state=1),
         IsolationForest(contamination=0.25, max_samples=128, n_estimators=10,
                          random_state=1),
         IsolationForest(contamination=0.25, max_samples=128, n_estimators=50,
                          random_state=1),
         IsolationForest(contamination=0.25, max_samples=128, random_state=1),
         IsolationForest(contamination=0.25, max_samples=128, n_estimators=200,
                          random_state=1),
         IsolationForest(contamination=0.25, max_samples=256, n_estimators=10,
                          random_state=1),
         IsolationForest(contamination=0.25, max_samples=256, n_estimators=50,
                          random_state=1),
         IsolationForest(contamination=0.25, max_samples=256, random_state=1),
         IsolationForest(contamination=0.25, max_samples=256, n_estimators=200,
                          random_state=1),
         IsolationForest(contamination=0.25, max_samples=516, n_estimators=10,
                          random_state=1),
```

```
              IsolationForest(contamination=0.25, max_samples=516, n_estimators=50,
                              random_state=1),
              IsolationForest(contamination=0.25, max_samples=516, random_state=1),
              IsolationForest(contamination=0.25, max_samples=516, n_estimators=200,
                              random_state=1),
              IsolationForest(contamination=0.25, max_samples=1024, n_estimators=10,
                              random_state=1),
              IsolationForest(contamination=0.25, max_samples=1024, n_estimators=50,
                              random_state=1),
              IsolationForest(contamination=0.25, max_samples=1024, random_state=1),
              IsolationForest(contamination=0.25, max_samples=1024, n_estimators=200,
                              random_state=1),
              IsolationForest(contamination=0.5, n_estimators=10, random_state=1),
              IsolationForest(contamination=0.5, n_estimators=50, random_state=1),
              IsolationForest(contamination=0.5, random_state=1),
              IsolationForest(contamination=0.5, n_estimators=200, random_state=1),
              IsolationForest(contamination=0.5, max_samples=128, n_estimators=10,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=128, n_estimators=50,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=128, random_state=1),
              IsolationForest(contamination=0.5, max_samples=128, n_estimators=200,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=256, n_estimators=10,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=256, n_estimators=50,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=256, random_state=1),
              IsolationForest(contamination=0.5, max_samples=256, n_estimators=200,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=516, n_estimators=10,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=516, n_estimators=50,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=516, random_state=1),
              IsolationForest(contamination=0.5, max_samples=516, n_estimators=200,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=1024, n_estimators=10,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=1024, n_estimators=50,
                              random_state=1),
              IsolationForest(contamination=0.5, max_samples=1024, random_state=1),
              IsolationForest(contamination=0.5, max_samples=1024, n_estimators=200,
                              random_state=1)]
```

In [52]:
```python
#finding all combos of LOF params
#no random_state because LOF doesnt have a randkom state
from sklearn.neighbors import LocalOutlierFactor

lof_outlier_params = [
    (LocalOutlierFactor, {
        "n_neighbors" : [5, 10, 20, 40],
        "algorithm" : ["auto", "ball_tree", "kd_tree", "brute"],
        "contamination" : ["auto", 0.01, 0.05, 0.1, 0.25, 0.5],
        "novelty" : [True]
    })
]

lof_outliers = [ctor(**para) for ctor, paras in lof_outlier_params for para in ParameterGr
params4 = dict(outlier = lof_outliers)
params4
```

Out[52]:
```
{'outlier': [LocalOutlierFactor(n_neighbors=5, novelty=True),
  LocalOutlierFactor(n_neighbors=10, novelty=True),
```

```
LocalOutlierFactor(novelty=True),
LocalOutlierFactor(n_neighbors=40, novelty=True),
LocalOutlierFactor(contamination=0.01, n_neighbors=5, novelty=True),
LocalOutlierFactor(contamination=0.01, n_neighbors=10, novelty=True),
LocalOutlierFactor(contamination=0.01, novelty=True),
LocalOutlierFactor(contamination=0.01, n_neighbors=40, novelty=True),
LocalOutlierFactor(contamination=0.05, n_neighbors=5, novelty=True),
LocalOutlierFactor(contamination=0.05, n_neighbors=10, novelty=True),
LocalOutlierFactor(contamination=0.05, novelty=True),
LocalOutlierFactor(contamination=0.05, n_neighbors=40, novelty=True),
LocalOutlierFactor(contamination=0.1, n_neighbors=5, novelty=True),
LocalOutlierFactor(contamination=0.1, n_neighbors=10, novelty=True),
LocalOutlierFactor(contamination=0.1, novelty=True),
LocalOutlierFactor(contamination=0.1, n_neighbors=40, novelty=True),
LocalOutlierFactor(contamination=0.25, n_neighbors=5, novelty=True),
LocalOutlierFactor(contamination=0.25, n_neighbors=10, novelty=True),
LocalOutlierFactor(contamination=0.25, novelty=True),
LocalOutlierFactor(contamination=0.25, n_neighbors=40, novelty=True),
LocalOutlierFactor(contamination=0.5, n_neighbors=5, novelty=True),
LocalOutlierFactor(contamination=0.5, n_neighbors=10, novelty=True),
LocalOutlierFactor(contamination=0.5, novelty=True),
LocalOutlierFactor(contamination=0.5, n_neighbors=40, novelty=True),
LocalOutlierFactor(algorithm='ball_tree', n_neighbors=5, novelty=True),
LocalOutlierFactor(algorithm='ball_tree', n_neighbors=10, novelty=True),
LocalOutlierFactor(algorithm='ball_tree', novelty=True),
LocalOutlierFactor(algorithm='ball_tree', n_neighbors=40, novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.01, n_neighbors=5,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.01, n_neighbors=10,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.01, novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.01, n_neighbors=40,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.05, n_neighbors=5,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.05, n_neighbors=10,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.05, novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.05, n_neighbors=40,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.1, n_neighbors=5,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.1, n_neighbors=10,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.1, novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.1, n_neighbors=40,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.25, n_neighbors=5,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.25, n_neighbors=10,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.25, novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.25, n_neighbors=40,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.5, n_neighbors=5,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.5, n_neighbors=10,
                   novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.5, novelty=True),
LocalOutlierFactor(algorithm='ball_tree', contamination=0.5, n_neighbors=40,
                   novelty=True),
LocalOutlierFactor(algorithm='kd_tree', n_neighbors=5, novelty=True),
LocalOutlierFactor(algorithm='kd_tree', n_neighbors=10, novelty=True),
LocalOutlierFactor(algorithm='kd_tree', novelty=True),
LocalOutlierFactor(algorithm='kd_tree', n_neighbors=40, novelty=True),
LocalOutlierFactor(algorithm='kd_tree', contamination=0.01, n_neighbors=5,
```

```
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.01, n_neighbors=10,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.01, novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.01, n_neighbors=40,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.05, n_neighbors=5,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.05, n_neighbors=10,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.05, novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.05, n_neighbors=40,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.1, n_neighbors=5,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.1, n_neighbors=10,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.1, novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.1, n_neighbors=40,
                    novelty=True),
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                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.25, n_neighbors=10,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.25, novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.25, n_neighbors=40,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.5, n_neighbors=5,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.5, n_neighbors=10,
                    novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.5, novelty=True),
 LocalOutlierFactor(algorithm='kd_tree', contamination=0.5, n_neighbors=40,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', n_neighbors=5, novelty=True),
 LocalOutlierFactor(algorithm='brute', n_neighbors=10, novelty=True),
 LocalOutlierFactor(algorithm='brute', novelty=True),
 LocalOutlierFactor(algorithm='brute', n_neighbors=40, novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.01, n_neighbors=5,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.01, n_neighbors=10,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.01, novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.01, n_neighbors=40,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.05, n_neighbors=5,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.05, n_neighbors=10,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.05, novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.05, n_neighbors=40,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.1, n_neighbors=5,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.1, n_neighbors=10,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.1, novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.1, n_neighbors=40,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.25, n_neighbors=5,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.25, n_neighbors=10,
                    novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.25, novelty=True),
 LocalOutlierFactor(algorithm='brute', contamination=0.25, n_neighbors=40,
                    novelty=True),
```

```
        LocalOutlierFactor(algorithm='brute', contamination=0.5, n_neighbors=5,
                           novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.5, n_neighbors=10,
                           novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.5, novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.5, n_neighbors=40,
                           novelty=True)]}
```

```
diff_lofs = [LocalOutlierFactor(n_neighbors=5, novelty=True),
  LocalOutlierFactor(n_neighbors=10, novelty=True),
  LocalOutlierFactor(novelty=True),
  LocalOutlierFactor(n_neighbors=40, novelty=True),
  LocalOutlierFactor(contamination=0.01, n_neighbors=5, novelty=True),
  LocalOutlierFactor(contamination=0.01, n_neighbors=10, novelty=True),
  LocalOutlierFactor(contamination=0.01, novelty=True),
  LocalOutlierFactor(contamination=0.01, n_neighbors=40, novelty=True),
  LocalOutlierFactor(contamination=0.05, n_neighbors=5, novelty=True),
  LocalOutlierFactor(contamination=0.05, n_neighbors=10, novelty=True),
  LocalOutlierFactor(contamination=0.05, novelty=True),
  LocalOutlierFactor(contamination=0.05, n_neighbors=40, novelty=True),
  LocalOutlierFactor(contamination=0.1, n_neighbors=5, novelty=True),
  LocalOutlierFactor(contamination=0.1, n_neighbors=10, novelty=True),
  LocalOutlierFactor(contamination=0.1, novelty=True),
  LocalOutlierFactor(contamination=0.1, n_neighbors=40, novelty=True),
  LocalOutlierFactor(contamination=0.25, n_neighbors=5, novelty=True),
  LocalOutlierFactor(contamination=0.25, n_neighbors=10, novelty=True),
  LocalOutlierFactor(contamination=0.25, novelty=True),
  LocalOutlierFactor(contamination=0.25, n_neighbors=40, novelty=True),
  LocalOutlierFactor(contamination=0.5, n_neighbors=5, novelty=True),
  LocalOutlierFactor(contamination=0.5, n_neighbors=10, novelty=True),
  LocalOutlierFactor(contamination=0.5, novelty=True),
  LocalOutlierFactor(contamination=0.5, n_neighbors=40, novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', n_neighbors=5, novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', n_neighbors=10, novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', n_neighbors=40, novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.01, n_neighbors=5,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.01, n_neighbors=10,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.01, novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.01, n_neighbors=40,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.05, n_neighbors=5,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.05, n_neighbors=10,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.05, novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.05, n_neighbors=40,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.1, n_neighbors=5,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.1, n_neighbors=10,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.1, novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.1, n_neighbors=40,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.25, n_neighbors=5,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.25, n_neighbors=10,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.25, novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.25, n_neighbors=40,
                     novelty=True),
  LocalOutlierFactor(algorithm='ball_tree', contamination=0.5, n_neighbors=5,
```

```
                              novelty=True),
        LocalOutlierFactor(algorithm='ball_tree', contamination=0.5, n_neighbors=10,
                           novelty=True),
        LocalOutlierFactor(algorithm='ball_tree', contamination=0.5, novelty=True),
        LocalOutlierFactor(algorithm='ball_tree', contamination=0.5, n_neighbors=40,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', n_neighbors=5, novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', n_neighbors=10, novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', n_neighbors=40, novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.01, n_neighbors=5,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.01, n_neighbors=10,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.01, novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.01, n_neighbors=40,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.05, n_neighbors=5,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.05, n_neighbors=10,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.05, novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.05, n_neighbors=40,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.1, n_neighbors=5,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.1, n_neighbors=10,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.1, novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.1, n_neighbors=40,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.25, n_neighbors=5,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.25, n_neighbors=10,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.25, novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.25, n_neighbors=40,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.5, n_neighbors=5,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.5, n_neighbors=10,
                           novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.5, novelty=True),
        LocalOutlierFactor(algorithm='kd_tree', contamination=0.5, n_neighbors=40,
                           novelty=True),
        LocalOutlierFactor(algorithm='brute', n_neighbors=5, novelty=True),
        LocalOutlierFactor(algorithm='brute', n_neighbors=10, novelty=True),
        LocalOutlierFactor(algorithm='brute', novelty=True),
        LocalOutlierFactor(algorithm='brute', n_neighbors=40, novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.01, n_neighbors=5,
                           novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.01, n_neighbors=10,
                           novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.01, novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.01, n_neighbors=40,
                           novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.05, n_neighbors=5,
                           novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.05, n_neighbors=10,
                           novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.05, novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.05, n_neighbors=40,
                           novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.1, n_neighbors=5,
                           novelty=True),
        LocalOutlierFactor(algorithm='brute', contamination=0.1, n_neighbors=10,
```

```
                         novelty=True),
     LocalOutlierFactor(algorithm='brute', contamination=0.1, novelty=True),
     LocalOutlierFactor(algorithm='brute', contamination=0.1, n_neighbors=40,
                         novelty=True),
     LocalOutlierFactor(algorithm='brute', contamination=0.25, n_neighbors=5,
                         novelty=True),
     LocalOutlierFactor(algorithm='brute', contamination=0.25, n_neighbors=10,
                         novelty=True),
     LocalOutlierFactor(algorithm='brute', contamination=0.25, novelty=True),
     LocalOutlierFactor(algorithm='brute', contamination=0.25, n_neighbors=40,
                         novelty=True),
     LocalOutlierFactor(algorithm='brute', contamination=0.5, n_neighbors=5,
                         novelty=True),
     LocalOutlierFactor(algorithm='brute', contamination=0.5, n_neighbors=10,
                         novelty=True),
     LocalOutlierFactor(algorithm='brute', contamination=0.5, novelty=True),
     LocalOutlierFactor(algorithm='brute', contamination=0.5, n_neighbors=40,
                         novelty=True)]
```

In [ ]:
```python
#finding all combos of DBSCAN params
#no random_state because DBSCANM doesnt have a randkom state
#according to sklearn, eps is the mos timportant dbscan paramatrer to choose, so it is giv
from sklearn.cluster import DBSCAN

dbscan_outlier_params = [
    (DBSCAN, {
        "eps" : [0.1, 0.2, 0.3, 0.4, 0.5, 1.0, 2.0, 5.0],
        "min_samples" : [2,3,5,10],
        "algorithm" : ["auto", "ball_tree", "kd_tree", "brute"]
    })
]

dbscan_outliers = [ctor(**para) for ctor, paras in dbscan_outlier_params for para in Param
params4 = dict(outlier = dbscan_outliers)
params4
```

In [ ]:
```python
diff_dbscans = [DBSCAN(eps=0.1, min_samples=2),
  DBSCAN(eps=0.1, min_samples=3),
  DBSCAN(eps=0.1),
  DBSCAN(eps=0.1, min_samples=10),
  DBSCAN(eps=0.2, min_samples=2),
  DBSCAN(eps=0.2, min_samples=3),
  DBSCAN(eps=0.2),
  DBSCAN(eps=0.2, min_samples=10),
  DBSCAN(eps=0.3, min_samples=2),
  DBSCAN(eps=0.3, min_samples=3),
  DBSCAN(eps=0.3),
  DBSCAN(eps=0.3, min_samples=10),
  DBSCAN(eps=0.4, min_samples=2),
  DBSCAN(eps=0.4, min_samples=3),
  DBSCAN(eps=0.4),
  DBSCAN(eps=0.4, min_samples=10),
  DBSCAN(min_samples=2),
  DBSCAN(min_samples=3),
  DBSCAN(),
  DBSCAN(min_samples=10),
  DBSCAN(eps=1.0, min_samples=2),
  DBSCAN(eps=1.0, min_samples=3),
  DBSCAN(eps=1.0),
  DBSCAN(eps=1.0, min_samples=10),
  DBSCAN(eps=2.0, min_samples=2),
  DBSCAN(eps=2.0, min_samples=3),
  DBSCAN(eps=2.0),
```

```
DBSCAN(eps=2.0, min_samples=10),
DBSCAN(eps=5.0, min_samples=2),
DBSCAN(eps=5.0, min_samples=3),
DBSCAN(eps=5.0),
DBSCAN(eps=5.0, min_samples=10),
DBSCAN(algorithm='ball_tree', eps=0.1, min_samples=2),
DBSCAN(algorithm='ball_tree', eps=0.1, min_samples=3),
DBSCAN(algorithm='ball_tree', eps=0.1),
DBSCAN(algorithm='ball_tree', eps=0.1, min_samples=10),
DBSCAN(algorithm='ball_tree', eps=0.2, min_samples=2),
DBSCAN(algorithm='ball_tree', eps=0.2, min_samples=3),
DBSCAN(algorithm='ball_tree', eps=0.2),
DBSCAN(algorithm='ball_tree', eps=0.2, min_samples=10),
DBSCAN(algorithm='ball_tree', eps=0.3, min_samples=2),
DBSCAN(algorithm='ball_tree', eps=0.3, min_samples=3),
DBSCAN(algorithm='ball_tree', eps=0.3),
DBSCAN(algorithm='ball_tree', eps=0.3, min_samples=10),
DBSCAN(algorithm='ball_tree', eps=0.4, min_samples=2),
DBSCAN(algorithm='ball_tree', eps=0.4, min_samples=3),
DBSCAN(algorithm='ball_tree', eps=0.4),
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DBSCAN(algorithm='ball_tree', min_samples=3),
DBSCAN(algorithm='ball_tree'),
DBSCAN(algorithm='ball_tree', min_samples=10),
DBSCAN(algorithm='ball_tree', eps=1.0, min_samples=2),
DBSCAN(algorithm='ball_tree', eps=1.0, min_samples=3),
DBSCAN(algorithm='ball_tree', eps=1.0),
DBSCAN(algorithm='ball_tree', eps=1.0, min_samples=10),
DBSCAN(algorithm='ball_tree', eps=2.0, min_samples=2),
DBSCAN(algorithm='ball_tree', eps=2.0, min_samples=3),
DBSCAN(algorithm='ball_tree', eps=2.0),
DBSCAN(algorithm='ball_tree', eps=2.0, min_samples=10),
DBSCAN(algorithm='ball_tree', eps=5.0, min_samples=2),
DBSCAN(algorithm='ball_tree', eps=5.0, min_samples=3),
DBSCAN(algorithm='ball_tree', eps=5.0),
DBSCAN(algorithm='ball_tree', eps=5.0, min_samples=10),
DBSCAN(algorithm='kd_tree', eps=0.1, min_samples=2),
DBSCAN(algorithm='kd_tree', eps=0.1, min_samples=3),
DBSCAN(algorithm='kd_tree', eps=0.1),
DBSCAN(algorithm='kd_tree', eps=0.1, min_samples=10),
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DBSCAN(algorithm='kd_tree', eps=0.2, min_samples=3),
DBSCAN(algorithm='kd_tree', eps=0.2),
DBSCAN(algorithm='kd_tree', eps=0.2, min_samples=10),
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DBSCAN(algorithm='kd_tree', eps=0.3, min_samples=3),
DBSCAN(algorithm='kd_tree', eps=0.3),
DBSCAN(algorithm='kd_tree', eps=0.3, min_samples=10),
DBSCAN(algorithm='kd_tree', eps=0.4, min_samples=2),
DBSCAN(algorithm='kd_tree', eps=0.4, min_samples=3),
DBSCAN(algorithm='kd_tree', eps=0.4),
DBSCAN(algorithm='kd_tree', eps=0.4, min_samples=10),
DBSCAN(algorithm='kd_tree', min_samples=2),
DBSCAN(algorithm='kd_tree', min_samples=3),
DBSCAN(algorithm='kd_tree'),
DBSCAN(algorithm='kd_tree', min_samples=10),
DBSCAN(algorithm='kd_tree', eps=1.0, min_samples=2),
DBSCAN(algorithm='kd_tree', eps=1.0, min_samples=3),
DBSCAN(algorithm='kd_tree', eps=1.0),
DBSCAN(algorithm='kd_tree', eps=1.0, min_samples=10),
DBSCAN(algorithm='kd_tree', eps=2.0, min_samples=2),
DBSCAN(algorithm='kd_tree', eps=2.0, min_samples=3),
DBSCAN(algorithm='kd_tree', eps=2.0),
DBSCAN(algorithm='kd_tree', eps=2.0, min_samples=10),
DBSCAN(algorithm='kd_tree', eps=5.0, min_samples=2),
```

```
          DBSCAN(algorithm='kd_tree', eps=5.0, min_samples=3),
          DBSCAN(algorithm='kd_tree', eps=5.0),
          DBSCAN(algorithm='kd_tree', eps=5.0, min_samples=10),
          DBSCAN(algorithm='brute', eps=0.1, min_samples=2),
          DBSCAN(algorithm='brute', eps=0.1, min_samples=3),
          DBSCAN(algorithm='brute', eps=0.1),
          DBSCAN(algorithm='brute', eps=0.1, min_samples=10),
          DBSCAN(algorithm='brute', eps=0.2, min_samples=2),
          DBSCAN(algorithm='brute', eps=0.2, min_samples=3),
          DBSCAN(algorithm='brute', eps=0.2),
          DBSCAN(algorithm='brute', eps=0.2, min_samples=10),
          DBSCAN(algorithm='brute', eps=0.3, min_samples=2),
          DBSCAN(algorithm='brute', eps=0.3, min_samples=3),
          DBSCAN(algorithm='brute', eps=0.3),
          DBSCAN(algorithm='brute', eps=0.3, min_samples=10),
          DBSCAN(algorithm='brute', eps=0.4, min_samples=2),
          DBSCAN(algorithm='brute', eps=0.4, min_samples=3),
          DBSCAN(algorithm='brute', eps=0.4),
          DBSCAN(algorithm='brute', eps=0.4, min_samples=10),
          DBSCAN(algorithm='brute', min_samples=2),
          DBSCAN(algorithm='brute', min_samples=3),
          DBSCAN(algorithm='brute'),
          DBSCAN(algorithm='brute', min_samples=10),
          DBSCAN(algorithm='brute', eps=1.0, min_samples=2),
          DBSCAN(algorithm='brute', eps=1.0, min_samples=3),
          DBSCAN(algorithm='brute', eps=1.0),
          DBSCAN(algorithm='brute', eps=1.0, min_samples=10),
          DBSCAN(algorithm='brute', eps=2.0, min_samples=2),
          DBSCAN(algorithm='brute', eps=2.0, min_samples=3),
          DBSCAN(algorithm='brute', eps=2.0),
          DBSCAN(algorithm='brute', eps=2.0, min_samples=10),
          DBSCAN(algorithm='brute', eps=5.0, min_samples=2),
          DBSCAN(algorithm='brute', eps=5.0, min_samples=3),
          DBSCAN(algorithm='brute', eps=5.0),
          DBSCAN(algorithm='brute', eps=5.0, min_samples=10)]
```

According to https://towardsdatascience.com/5-ways-to-detect-outliers-that-every-data-scientist-should-know-python-code-70a54335a623, DBSCAN is bad for high dimensionality data. therefore we will not be using it

In [54]:
```python
#finding all combos of OneClassSVM params
#no random_state because OneClassSVM doesnt have a random state

#not using precomputed kernel as it requires a square matrix, and the dataset is not squar

from sklearn.svm import OneClassSVM

OneClassSVM_outlier_params = [
    (OneClassSVM, {
        "kernel": ["linear", "poly", "rbf", "sigmoid"],
        "gamma" : ["scale", "auto"]
    })
]

OneClassSVM_outliers = [ctor(**para) for ctor, paras in OneClassSVM_outlier_params for par
params4 = dict(outlier = OneClassSVM_outliers)
params4
```

Out[54]:
```
{'outlier': [OneClassSVM(kernel='linear'),
  OneClassSVM(kernel='poly'),
  OneClassSVM(),
  OneClassSVM(kernel='sigmoid'),
  OneClassSVM(gamma='auto', kernel='linear'),
  OneClassSVM(gamma='auto', kernel='poly'),
```

```
            OneClassSVM(gamma='auto'),
            OneClassSVM(gamma='auto', kernel='sigmoid')]}
```

In [55]:
```python
#diff_oneclass = [OneClassSVM(kernel='linear'),
#  OneClassSVM(kernel='poly'),
 # OneClassSVM(),
   #OneClassSVM(kernel='sigmoid'),
   #OneClassSVM(gamma='auto', kernel='linear'),
   #OneClassSVM(gamma='auto', kernel='poly'),
   #OneClassSVM(gamma='auto'),
   #OneClassSVM(gamma='auto', kernel='sigmoid')]

#Removed the combination of gamma = "auto" and kernel = "sigmoid", because it was causing

diff_oneclass = [OneClassSVM(kernel='linear'),
  OneClassSVM(kernel='poly'),
  OneClassSVM(),
  OneClassSVM(kernel='sigmoid'),
  OneClassSVM(gamma='auto', kernel='linear'),
  OneClassSVM(gamma='auto', kernel='poly'),
  OneClassSVM(gamma='auto')]
```

In [56]:
```python
#finding all combos of SGDOneClassSVM params

from sklearn.linear_model import SGDOneClassSVM

SGDOneClassSVM_outlier_params = [
    (SGDOneClassSVM, {
        "nu": [0.1, 0.25, 0.5, 0.75],
        "fit_intercept" : [True, False],
        "max_iter" : [250, 500, 1000, 2000],
        "random_state" : [1],
        "learning_rate" : ["constant", "optimal", "invscaling", "adaptive"],
        "eta0" : [0.5, 1.0, 2.0]
    })
]

SGDOneClassSVM_outliers = [ctor(**para) for ctor, paras in SGDOneClassSVM_outlier_params i
params5 = dict(outlier = SGDOneClassSVM_outliers)
params5
```

Out[56]:
```
{'outlier': [SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=250, nu=0.1,
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                   random_state=1),
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                   random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=500, nu=0.1,
                   random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=500, nu=0.25,
                   random_state=1),
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  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=500, nu=0.75,
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  SGDOneClassSVM(eta0=0.5, learning_rate='constant', nu=0.1, random_state=1),
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  SGDOneClassSVM(eta0=0.5, learning_rate='constant', random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', nu=0.75, random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=2000, nu=0.1,
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  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=2000, nu=0.25,
                   random_state=1),
```

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               SGDOneClassSVM(eta0=0.5, max_iter=500, nu=0.1, random_state=1),
               SGDOneClassSVM(eta0=0.5, max_iter=500, nu=0.25, random_state=1),
               SGDOneClassSVM(eta0=0.5, max_iter=500, random_state=1),
               SGDOneClassSVM(eta0=0.5, max_iter=500, nu=0.75, random_state=1),
               SGDOneClassSVM(eta0=0.5, nu=0.1, random_state=1),
               SGDOneClassSVM(eta0=0.5, nu=0.25, random_state=1),
               SGDOneClassSVM(eta0=0.5, random_state=1),
               SGDOneClassSVM(eta0=0.5, nu=0.75, random_state=1),
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               SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=500, nu=0.25,
                              random_state=1),
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               SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=500, nu=0.75,
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               SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', nu=0.75, random_state=1),
```

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            SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=2000, nu=0.75,
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            SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
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            SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant', nu=0.75,
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            SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
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            SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
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        SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                       max_iter=250, nu=0.75, random_state=1),
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                       max_iter=500, nu=0.1, random_state=1),
        SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
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        SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                       max_iter=500, random_state=1),
        SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                       max_iter=500, nu=0.75, random_state=1),
        SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
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        SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                       nu=0.25, random_state=1),
        SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
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        SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
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        SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
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        SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
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        SGDOneClassSVM(eta0=1.0, learning_rate='constant', nu=0.25, random_state=1),
        SGDOneClassSVM(eta0=1.0, learning_rate='constant', random_state=1),
        SGDOneClassSVM(eta0=1.0, learning_rate='constant', nu=0.75, random_state=1),
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        SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=2000,
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        SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=2000, nu=0.75,
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        SGDOneClassSVM(eta0=1.0, max_iter=250, nu=0.75, random_state=1),
        SGDOneClassSVM(eta0=1.0, max_iter=500, nu=0.1, random_state=1),
        SGDOneClassSVM(eta0=1.0, max_iter=500, nu=0.25, random_state=1),
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        SGDOneClassSVM(eta0=1.0, max_iter=500, nu=0.75, random_state=1),
        SGDOneClassSVM(eta0=1.0, nu=0.1, random_state=1),
        SGDOneClassSVM(eta0=1.0, nu=0.25, random_state=1),
        SGDOneClassSVM(eta0=1.0, random_state=1),
        SGDOneClassSVM(eta0=1.0, nu=0.75, random_state=1),
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        SGDOneClassSVM(eta0=1.0, max_iter=2000, random_state=1),
        SGDOneClassSVM(eta0=1.0, max_iter=2000, nu=0.75, random_state=1),
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        SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=250, nu=0.25,
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                       random_state=1),
        SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', nu=0.1, random_state=1),
        SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', nu=0.25, random_state=1),
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        SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=2000, nu=0.25,
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```
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        SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=500, nu=0.25,
                       random_state=1),
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        SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', nu=0.25, random_state=1),
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        SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', nu=0.75, random_state=1),
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        SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=2000, nu=0.25,
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        SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=2000, nu=0.75,
                       random_state=1),
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                       max_iter=250, nu=0.1, random_state=1),
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                       max_iter=250, nu=0.25, random_state=1),
        SGDOneClassSVM(eta0=1.0, fit_intercept=False, learning_rate='constant',
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                      max_iter=2000, random_state=1),
       SGDOneClassSVM(eta0=2.0, fit_intercept=False, learning_rate='adaptive',
                      max_iter=2000, nu=0.75, random_state=1)]}
```

In [57]:
```python
diff_sgdoneclass = [SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=250, nu=0.
                    random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=250, nu=0.25,
                 random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=250, random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=250, nu=0.75,
                 random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=500, nu=0.1,
                 random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=500, nu=0.25,
                 random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=500, random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=500, nu=0.75,
                 random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', nu=0.1, random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', nu=0.25, random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', nu=0.75, random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=2000, nu=0.1,
                 random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=2000, nu=0.25,
                 random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=2000,
                 random_state=1),
  SGDOneClassSVM(eta0=0.5, learning_rate='constant', max_iter=2000, nu=0.75,
                 random_state=1),
  SGDOneClassSVM(eta0=0.5, max_iter=250, nu=0.1, random_state=1),
  SGDOneClassSVM(eta0=0.5, max_iter=250, nu=0.25, random_state=1),
  SGDOneClassSVM(eta0=0.5, max_iter=250, random_state=1),
```

```
          SGDOneClassSVM(eta0=0.5, max_iter=250, nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=0.5, max_iter=500, nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, max_iter=500, nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, max_iter=500, random_state=1),
          SGDOneClassSVM(eta0=0.5, max_iter=500, nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=0.5, nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, random_state=1),
          SGDOneClassSVM(eta0=0.5, nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=0.5, max_iter=2000, nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, max_iter=2000, nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, max_iter=2000, random_state=1),
          SGDOneClassSVM(eta0=0.5, max_iter=2000, nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=250, nu=0.1,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=250, nu=0.25,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=250,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=250, nu=0.75,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=500, nu=0.1,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=500, nu=0.25,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=500,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=500, nu=0.75,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=2000, nu=0.1,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=2000, nu=0.25,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=2000,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='invscaling', max_iter=2000, nu=0.75,
                         random_state=1),
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                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=250, nu=0.25,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=250, random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=250, nu=0.75,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=500, nu=0.1,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=500, nu=0.25,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=500, random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=500, nu=0.75,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=2000, nu=0.1,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=2000, nu=0.25,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=2000,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, learning_rate='adaptive', max_iter=2000, nu=0.75,
```

```
                              random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=250, nu=0.1, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=250, nu=0.25, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=250, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=250, nu=0.75, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=500, nu=0.1, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=500, nu=0.25, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=500, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=500, nu=0.75, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant', nu=0.1,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant', nu=0.25,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant', nu=0.75,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=2000, nu=0.1, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=2000, nu=0.25, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=2000, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='constant',
                    max_iter=2000, nu=0.75, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=250, nu=0.1,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=250, nu=0.25,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=250, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=250, nu=0.75,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=500, nu=0.1,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=500, nu=0.25,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=500, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=500, nu=0.75,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, nu=0.1, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, nu=0.25, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, nu=0.75, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=2000, nu=0.1,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=2000, nu=0.25,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=2000, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, max_iter=2000, nu=0.75,
                    random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                    max_iter=250, nu=0.1, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                    max_iter=250, nu=0.25, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                    max_iter=250, random_state=1),
     SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                    max_iter=250, nu=0.75, random_state=1),
```

```
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         max_iter=500, nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         max_iter=500, nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         max_iter=500, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         max_iter=500, nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         max_iter=2000, nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         max_iter=2000, nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         max_iter=2000, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='invscaling',
                         max_iter=2000, nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=250, nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=250, nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=250, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=250, nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=500, nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=500, nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=500, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=500, nu=0.75, random_state=1),
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          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive', nu=0.25,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive', nu=0.75,
                         random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=2000, nu=0.1, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=2000, nu=0.25, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=2000, random_state=1),
          SGDOneClassSVM(eta0=0.5, fit_intercept=False, learning_rate='adaptive',
                         max_iter=2000, nu=0.75, random_state=1),
          SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=250, nu=0.1,
                         random_state=1),
          SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=250, nu=0.25,
                         random_state=1),
          SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=250, random_state=1),
          SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=250, nu=0.75,
                         random_state=1),
          SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=500, nu=0.1,
                         random_state=1),
          SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=500, nu=0.25,
```

```
                                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=500, random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=500, nu=0.75,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='constant', nu=0.1, random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='constant', nu=0.25, random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='constant', random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='constant', nu=0.75, random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=2000, nu=0.1,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=2000, nu=0.25,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=2000,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='constant', max_iter=2000, nu=0.75,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=250, nu=0.1, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=250, nu=0.25, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=250, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=250, nu=0.75, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=500, nu=0.1, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=500, nu=0.25, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=500, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=500, nu=0.75, random_state=1),
         SGDOneClassSVM(eta0=1.0, nu=0.1, random_state=1),
         SGDOneClassSVM(eta0=1.0, nu=0.25, random_state=1),
         SGDOneClassSVM(eta0=1.0, random_state=1),
         SGDOneClassSVM(eta0=1.0, nu=0.75, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=2000, nu=0.1, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=2000, nu=0.25, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=2000, random_state=1),
         SGDOneClassSVM(eta0=1.0, max_iter=2000, nu=0.75, random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=250, nu=0.1,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=250, nu=0.25,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=250,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=250, nu=0.75,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=500, nu=0.1,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=500, nu=0.25,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=500,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=500, nu=0.75,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', nu=0.1, random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', nu=0.25, random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', nu=0.75, random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=2000, nu=0.1,
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         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=2000, nu=0.25,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=2000,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='invscaling', max_iter=2000, nu=0.75,
                        random_state=1),
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         SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=250, nu=0.25,
                        random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=250, random_state=1),
         SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=250, nu=0.75,
```

```
                                    random_state=1),
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                     random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=500, nu=0.25,
                     random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=500, random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=500, nu=0.75,
                     random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', nu=0.1, random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', nu=0.25, random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', nu=0.75, random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=2000, nu=0.1,
                     random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=2000, nu=0.25,
                     random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=2000,
                     random_state=1),
      SGDOneClassSVM(eta0=1.0, learning_rate='adaptive', max_iter=2000, nu=0.75,
                     random_state=1),
      SGDOneClassSVM(eta0=1.0, fit_intercept=False, learning_rate='constant',
                     max_iter=250, nu=0.1, random_state=1),
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              SGDOneClassSVM(eta0=2.0, fit_intercept=False, learning_rate='adaptive',
                             random_state=1),
              SGDOneClassSVM(eta0=2.0, fit_intercept=False, learning_rate='adaptive', nu=0.75,
                             random_state=1),
              SGDOneClassSVM(eta0=2.0, fit_intercept=False, learning_rate='adaptive',
                             max_iter=2000, nu=0.1, random_state=1),
              SGDOneClassSVM(eta0=2.0, fit_intercept=False, learning_rate='adaptive',
                             max_iter=2000, nu=0.25, random_state=1),
              SGDOneClassSVM(eta0=2.0, fit_intercept=False, learning_rate='adaptive',
                             max_iter=2000, random_state=1),
              SGDOneClassSVM(eta0=2.0, fit_intercept=False, learning_rate='adaptive',
                             max_iter=2000, nu=0.75, random_state=1)]
```

In [58]:
```python
#finding all combos of EllipticEnvelope params
#dont think our dataset has a gaussian distribution, will still be interesting to have a

from sklearn.covariance import EllipticEnvelope

EllipticEnvelope_outlier_params = [
    (EllipticEnvelope, {
        "assume_centered" : [True, False],
        "support_fraction" : [0.1, 0.25, 0.5, 0.75],
        "contamination" : [0.01, 0.05, 0.1, 0.25, 0.5],
        "random_state" : [1]
    })
]

EllipticEnvelope_outliers = [ctor(**para) for ctor, paras in EllipticEnvelope_outlier_para
params6 = dict(outlier = EllipticEnvelope_outliers)
params6
```

Out[58]:
```
{'outlier': [EllipticEnvelope(assume_centered=True, contamination=0.01, random_state=1,
                              support_fraction=0.1),
  EllipticEnvelope(assume_centered=True, contamination=0.01, random_state=1,
                   support_fraction=0.25),
  EllipticEnvelope(assume_centered=True, contamination=0.01, random_state=1,
                   support_fraction=0.5),
  EllipticEnvelope(assume_centered=True, contamination=0.01, random_state=1,
                   support_fraction=0.75),
  EllipticEnvelope(assume_centered=True, contamination=0.05, random_state=1,
                   support_fraction=0.1),
  EllipticEnvelope(assume_centered=True, contamination=0.05, random_state=1,
                   support_fraction=0.25),
  EllipticEnvelope(assume_centered=True, contamination=0.05, random_state=1,
                   support_fraction=0.5),
  EllipticEnvelope(assume_centered=True, contamination=0.05, random_state=1,
                   support_fraction=0.75),
  EllipticEnvelope(assume_centered=True, random_state=1, support_fraction=0.1),
```

```
           EllipticEnvelope(assume_centered=True, random_state=1, support_fraction=0.25),
           EllipticEnvelope(assume_centered=True, random_state=1, support_fraction=0.5),
           EllipticEnvelope(assume_centered=True, random_state=1, support_fraction=0.75),
           EllipticEnvelope(assume_centered=True, contamination=0.25, random_state=1,
                            support_fraction=0.1),
           EllipticEnvelope(assume_centered=True, contamination=0.25, random_state=1,
                            support_fraction=0.25),
           EllipticEnvelope(assume_centered=True, contamination=0.25, random_state=1,
                            support_fraction=0.5),
           EllipticEnvelope(assume_centered=True, contamination=0.25, random_state=1,
                            support_fraction=0.75),
           EllipticEnvelope(assume_centered=True, contamination=0.5, random_state=1,
                            support_fraction=0.1),
           EllipticEnvelope(assume_centered=True, contamination=0.5, random_state=1,
                            support_fraction=0.25),
           EllipticEnvelope(assume_centered=True, contamination=0.5, random_state=1,
                            support_fraction=0.5),
           EllipticEnvelope(assume_centered=True, contamination=0.5, random_state=1,
                            support_fraction=0.75),
          EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.1),
          EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.25),
          EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.5),
          EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.75),
          EllipticEnvelope(contamination=0.05, random_state=1, support_fraction=0.1),
          EllipticEnvelope(contamination=0.05, random_state=1, support_fraction=0.25),
          EllipticEnvelope(contamination=0.05, random_state=1, support_fraction=0.5),
          EllipticEnvelope(contamination=0.05, random_state=1, support_fraction=0.75),
          EllipticEnvelope(random_state=1, support_fraction=0.1),
          EllipticEnvelope(random_state=1, support_fraction=0.25),
          EllipticEnvelope(random_state=1, support_fraction=0.5),
          EllipticEnvelope(random_state=1, support_fraction=0.75),
          EllipticEnvelope(contamination=0.25, random_state=1, support_fraction=0.1),
          EllipticEnvelope(contamination=0.25, random_state=1, support_fraction=0.25),
          EllipticEnvelope(contamination=0.25, random_state=1, support_fraction=0.5),
          EllipticEnvelope(contamination=0.25, random_state=1, support_fraction=0.75),
          EllipticEnvelope(contamination=0.5, random_state=1, support_fraction=0.1),
          EllipticEnvelope(contamination=0.5, random_state=1, support_fraction=0.25),
          EllipticEnvelope(contamination=0.5, random_state=1, support_fraction=0.5),
          EllipticEnvelope(contamination=0.5, random_state=1, support_fraction=0.75)]}
```

In [59]:

```python
diff_envelopes = [EllipticEnvelope(assume_centered=True, contamination=0.01, random_state=
                            support_fraction=0.1),
   EllipticEnvelope(assume_centered=True, contamination=0.01, random_state=1,
                            support_fraction=0.25),
   EllipticEnvelope(assume_centered=True, contamination=0.01, random_state=1,
                            support_fraction=0.5),
   EllipticEnvelope(assume_centered=True, contamination=0.01, random_state=1,
                            support_fraction=0.75),
   EllipticEnvelope(assume_centered=True, contamination=0.05, random_state=1,
                            support_fraction=0.1),
   EllipticEnvelope(assume_centered=True, contamination=0.05, random_state=1,
                            support_fraction=0.25),
   EllipticEnvelope(assume_centered=True, contamination=0.05, random_state=1,
                            support_fraction=0.5),
   EllipticEnvelope(assume_centered=True, contamination=0.05, random_state=1,
                            support_fraction=0.75),
   EllipticEnvelope(assume_centered=True, random_state=1, support_fraction=0.1),
   EllipticEnvelope(assume_centered=True, random_state=1, support_fraction=0.25),
   EllipticEnvelope(assume_centered=True, random_state=1, support_fraction=0.5),
   EllipticEnvelope(assume_centered=True, random_state=1, support_fraction=0.75),
   EllipticEnvelope(assume_centered=True, contamination=0.25, random_state=1,
                            support_fraction=0.1),
   EllipticEnvelope(assume_centered=True, contamination=0.25, random_state=1,
                            support_fraction=0.25),
   EllipticEnvelope(assume_centered=True, contamination=0.25, random_state=1,
```

```
                            support_fraction=0.5),
  EllipticEnvelope(assume_centered=True, contamination=0.25, random_state=1,
                     support_fraction=0.75),
  EllipticEnvelope(assume_centered=True, contamination=0.5, random_state=1,
                     support_fraction=0.1),
  EllipticEnvelope(assume_centered=True, contamination=0.5, random_state=1,
                     support_fraction=0.25),
  EllipticEnvelope(assume_centered=True, contamination=0.5, random_state=1,
                     support_fraction=0.5),
  EllipticEnvelope(assume_centered=True, contamination=0.5, random_state=1,
                     support_fraction=0.75),
  EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.1),
  EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.25),
  EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.5),
  EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.75),
  EllipticEnvelope(contamination=0.05, random_state=1, support_fraction=0.1),
  EllipticEnvelope(contamination=0.05, random_state=1, support_fraction=0.25),
  EllipticEnvelope(contamination=0.05, random_state=1, support_fraction=0.5),
  EllipticEnvelope(contamination=0.05, random_state=1, support_fraction=0.75),
  EllipticEnvelope(random_state=1, support_fraction=0.1),
  EllipticEnvelope(random_state=1, support_fraction=0.25),
  EllipticEnvelope(random_state=1, support_fraction=0.5),
  EllipticEnvelope(random_state=1, support_fraction=0.75),
  EllipticEnvelope(contamination=0.25, random_state=1, support_fraction=0.1),
  EllipticEnvelope(contamination=0.25, random_state=1, support_fraction=0.25),
  EllipticEnvelope(contamination=0.25, random_state=1, support_fraction=0.5),
  EllipticEnvelope(contamination=0.25, random_state=1, support_fraction=0.75),
  EllipticEnvelope(contamination=0.5, random_state=1, support_fraction=0.1),
  EllipticEnvelope(contamination=0.5, random_state=1, support_fraction=0.25),
  EllipticEnvelope(contamination=0.5, random_state=1, support_fraction=0.5),
  EllipticEnvelope(contamination=0.5, random_state=1, support_fraction=0.75)]
```

In [154...
```python
#A lot of code has been cleaned prior to and after this point.
#I originally misunderstood how cross_val_score worked, and was fitting and transforming
#only cross validating the SVC's results, meaning that the training sets had been fitted
#before and after this point I did tonnes of iterating to try to find the best outlier re
#with or without the standard scaler or robust scaler, etc. but it has been ommitted. I ha
#so you can see the error i was making, and how it has been solved.

from sklearn.model_selection import cross_val_score

def best_outlier_params(diff_params, threshold):
    scores = []
    maxScore = 0;
    maxScoreIndex = 0;
    maxScoreOutliersRemoved = 0;

    index = 0

    imputer = SimpleImputer()
    imputer.fit(X_train)
    X_train_imp = imputer.transform(X_train)

    for permutation in diff_params:

        #here i was fitting each step on the whole pipeline, then only cross validating th
        pipe = OutlierDetectionPipePart(strategy = permutation)
        pipe.fit(X_train_imp, y_train)
        X_train_imp_trans, y_train_trans = pipe.transform(X_train_imp, y_train)
        clf = SVC();
        scores = cross_val_score(clf, X_train_imp_trans, y_train_trans, cv=5)
        mean = scores.mean()

        #print("mean accuracy: %0.2f accuracy, standard deviation: %0.2f" % (mean, scores.
```

```
                    #scores.append(mean)
                    scores = np.append(scores, mean)

                    outliersRemoved = X_train_imp.shape[0] - X_train_imp_trans.shape[0];
                    proportion = outliersRemoved / X_train_imp.shape[0]
                    if proportion < threshold:

                        if (mean > maxScore):
                            maxScore = mean
                            maxScoreIndex = index
                            maxScoreOutliersRemoved = X_train_imp.shape[0] - X_train_imp_trans.shape[(
                    index = index + 1

            print("\n Outlier removal with best cross val accuracy: ", diff_params[maxScoreIndex])
            print("Max accuracy score: ", maxScore)
            print("Index of max accuracy score: ", maxScoreIndex)
            print("Number of outliers removed: ", maxScoreOutliersRemoved)
            print("Size before: ", X_train_imp.shape[0])
            print("Size After: ", X_train_imp.shape[0] - maxScoreOutliersRemoved)
```

It was here I realised i was doing cross validation wrong. I had been editing the whole training set with the imputer, outlier removal, etc. and then only cross validating the svc - this meant that the validation sets within the cross validation had been used or the calculations, meaning the above work was invalid.

After a fair amount of research, i found that: Using imblearns pipelines and imblearns functionsampler, i can put the outlier detection into an imblearnpipeline, and then cross validate the whole pipeline.

Iam also going to add scaling/normalizing into the pipeline, so that the distance based algorithms have more of a chance. lets do that now.

In [ ]:
```python
#pip install -U imbalanced-learn
```

In [37]:
```python
from imblearn.pipeline import make_pipeline
from imblearn import FunctionSampler

def OutlierRemoverFuncSampler(X, y, strategy):
    #fit the outlier detector on X
    strategy.fit(X)
    #predict which rows are outliers
    preds = strategy.predict(X)
    #create a mask to delete the outliers
    mask = preds != -1
    #return X and Y with the outliers removed
    return (X[mask], y[mask])
```

In [38]:
```python
from sklearn.model_selection import cross_val_score
from sklearn.model_selection import StratifiedKFold
from sklearn.preprocessing import StandardScaler
from sklearn.preprocessing import RobustScaler
from imblearn.pipeline import make_pipeline
from imblearn import FunctionSampler

def best_outlier_params(diff_params, scaler):
    scores = []
    maxScore = 0;
    maxScoreIndex = 0;
    maxScoreOutliersRemoved = 0;
    ballAccOfMaxAcc = 0

    maxBallAcc = 0
```

```python
    maxBallAccIndex = 0
    maxAccOfMaxBallAcc = 0

    index = 0

    #loop through every permutation passed in
    for permutation in diff_params:

        #make an IMBLearn pipeline, using a functionsampler with my custom function passe
        clf = make_pipeline(SimpleImputer(),
                            scaler,
                            FunctionSampler(func=OutlierRemoverFuncSampler,kw_args={"strat
                            SVC(random_state = 1))

        #cross validate THE WHOLE pipeline
        cv =  StratifiedKFold(n_splits = 5, shuffle = False, random_state = None) #random s

        #get the accuracy and balanced accuracy scores
        scoresAcc = cross_val_score(clf, X_train, y_train, cv=cv)
        meanAcc = scoresAcc.mean()

        scoresBallAcc = cross_val_score(clf, X_train, y_train, cv=cv, scoring = "balanced_
        meanBallAcc = scoresBallAcc.mean()

        scores = np.append(scores, [meanAcc, meanBallAcc])

        #if either score is the best, replce the best score with this one and save the per
        if (meanAcc > maxScore):
            maxScore = meanAcc
            maxScoreIndex = index
            ballAccOfMaxAcc = meanBallAcc

        if (meanBallAcc > maxBallAcc):
            maxBallAcc = meanBallAcc
            maxBallAccIndex = index
            accOfMaxBallAcc = meanAcc


        index = index + 1

    print("\n Outlier removal with best cross val accuracy: ", diff_params[maxScoreIndex])
    print("Max accuracy score: ", maxScore)
    print("Index of max accuracy score: ", maxScoreIndex)
    print("Balanced accuracy of system with most accuracy: ", ballAccOfMaxAcc)

    print("\n Outlier removal with best cross val balanced accuracy: ", diff_params[maxBal
    print("Max balanced accuracy score: ", maxBallAcc)
    print("index of max ball ac score: ", maxBallAccIndex)
    print("Accuracy of system with most balanced accuracy: ", accOfMaxBallAcc)
```

originally i was worried that becuase outlier removal was included in the pipeline, that the number of y values would be reduced. this is not that case. resampling is not applied to validation sets in imblearn pipelines, and the isolation forest has been built as a resampler /undersampler

In [252…

```python
best_outlier_params(diff_iso_forests, StandardScaler())
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\ensemble\_iforest.py:307: UserWarning: m
ax_samples (1024) is greater than the total number of samples (886). max_samples will be s
et to n_samples for estimation.
  warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\ensemble\_iforest.py:307: UserWarning: m
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```

```
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 Outlier removal with best cross val accuracy:  IsolationForest(contamination=0.01, n_esti
mators=10, random_state=1)
Max accuracy score:  0.902515184868126
Index of max accuracy score:  20
Balanced accuracy of system with most accuracy:  0.7502980522788176

 Outlier removal with best cross val balanced accuracy:  IsolationForest(contamination=0.0
1, max_samples=128, n_estimators=10,
                random_state=1)
Max balanced accuracy score:  0.7544224862739414
index of max ball ac score:  24
Accuracy of system with most balanced accuracy:  0.9025111083934613
```

```
 Outlier removal with best cross val accuracy:  IsolationForest(contamination=0.01,
 n_estimators=10, random_state=1)
Max accuracy score:  0.902515184868126
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Balanced accuracy of system with most accuracy:  0.7502980522788176

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Max balanced accuracy score:  0.7544224862739414
index of max ball ac score:  24
Accuracy of system with most balanced accuracy:  0.9025111083934613
```

In [253…

```
best_outlier_params(diff_lofs, StandardScaler())
```

```
 Outlier removal with best cross val accuracy:  LocalOutlierFactor(contamination=0.01, n_n
eighbors=5, novelty=True)
Max accuracy score:  0.9034120092943623
Index of max accuracy score:  4
Balanced accuracy of system with most accuracy:  0.7545300649508843
```

```
  Outlier removal with best cross val balanced accuracy:  LocalOutlierFactor(contamination=
  0.01, n_neighbors=5, novelty=True)
  Max balanced accuracy score:   0.7545300649508843
  index of max ball ac score:   4
  Accuracy of system with most balanced accuracy:   0.9034120092943623
```

```
  best_outlier_params(diff_oneclass, StandardScaler())
```

```
   Outlier removal with best cross val accuracy:   OneClassSVM(kernel='poly')
  Max accuracy score:   0.8961803432391668
  Index of max accuracy score:   1
  Balanced accuracy of system with most accuracy:   0.763023507951752

   Outlier removal with best cross val balanced accuracy:   OneClassSVM(kernel='poly')
  Max balanced accuracy score:   0.763023507951752
  index of max ball ac score:   1
  Accuracy of system with most balanced accuracy:   0.8961803432391668
```

```
  best_outlier_params(diff_sgdoneclass, StandardScaler())
```

```
   Outlier removal with best cross val accuracy:   SGDOneClassSVM(eta0=1.0, learning_rate='ad
  aptive', max_iter=250, nu=0.25,
                   random_state=1)
  Max accuracy score:   0.907040071745954
  Index of max accuracy score:   177
  Balanced accuracy of system with most accuracy:   0.7590846626520336

   Outlier removal with best cross val balanced accuracy:   SGDOneClassSVM(eta0=2.0, learning
  _rate='constant', max_iter=250, nu=0.1,
                   random_state=1)
  Max balanced accuracy score:   0.7714745093953287
  index of max ball ac score:   256
  Accuracy of system with most balanced accuracy:   0.9070156128979658
```

```
  best_outlier_params(diff_envelopes, StandardScaler())
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
of support_fraction (current value: 0.099).
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
of support_fraction (current value: 0.099).
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
of support_fraction (current value: 0.099).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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of support_fraction (current value: 0.099).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
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of support_fraction (current value: 0.099).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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of support_fraction (current value: 0.099).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value

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of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
of support_fraction (current value: 0.251).

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
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 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
```

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 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value

 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value

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   of support_fraction (current value: 0.249).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
     warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value

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 of support_fraction (current value: 0.500).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
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 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value

 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value

of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value

of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
```

erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value

of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
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of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
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 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
```

    of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

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    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
```

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   of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value

of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value

 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
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et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
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 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value

of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value

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    of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

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      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.099).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.099).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.099).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value

```
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

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      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
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 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
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 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
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  of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
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 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us

erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
```

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    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
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 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
```

 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
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```
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830044073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
```

```
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198888202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.099).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.099).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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 of support_fraction (current value: 0.099).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
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 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us

```
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
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 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
```

 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value

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 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
```

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erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
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  of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

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    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
```

 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value

of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value

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 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us

```
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
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of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value

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 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
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of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
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of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

```
    et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
     of support_fraction (current value: 0.251).
       warnings.warn(
    C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
    ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
    et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
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  of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value

   of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
```

 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us

```
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
      warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value

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  of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
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 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
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 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
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 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
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erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
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 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

```
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
```

     of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).

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    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
```

```
  of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
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   of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
```

of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
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    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
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 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
```

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  of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value

 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.501).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.499).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
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 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
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 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
```

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
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    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
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of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value

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 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value

of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value

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 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
```

 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060032853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
```

 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
```

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
```

      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
      warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

```
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
```

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
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 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
```

erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.302336056148363 > -254.550715012156246). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.197294245116552 > -287.931376287304602). You may want to try with a higher value

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  of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.216774833438009 > -134.851784493303683). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.289951533679584 > -287.570248140828198). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-361.847157823182840 > -386.757018273420215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.469929029068908 > -279.578784713392565). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.925416298186946 > -287.040837566565585). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-257.409662665129019 > -354.013731391804754). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-253.203094904602011 > -279.288182585351535). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-185.259980270582020 > -249.974483122919366). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-183.346419714938492 > -246.343214129985853). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-288.701541470303368 > -358.456249958562296). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-258.040076025075507 > -259.037663666520075). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-181.145758699276087 > -246.056355695987207). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.226838016500949 > -356.841369804797921). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.645723823196306 > -287.309979912803215). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.408473896516682 > -290.237196603684140). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.067604900305014 > -362.727253724551247). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-197.129655505298359 > -367.731829779665702). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-193.572379627727031 > -261.002848733148710). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-116.371873897783956 > -132.717577661305171). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-261.203299373850143 > -286.591101410681290). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-267.182726266799705 > -361.558845591926513). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-186.723689287016384 > -219.858677271286638). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-196.703312103895257 > -257.993611618863497). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.859762612414656 > -137.950689339109971). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.088775336247053 > -141.407117579211445). You may want to try with a higher value
 of support_fraction (current value: 0.099).
```

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    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-108.948519007418710 > -136.198988202884323). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-114.442139338970193 > -138.753571458460982). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.579157426914776 > -281.773102385241373). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.737084891099187 > -423.647983807122387). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-107.929651692791467 > -135.614126682949944). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-254.706514275196753 > -255.302290063921902). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-259.295960634391349 > -397.895428636924635). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-179.494085087178433 > -245.915064474958655). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-112.624423705150235 > -171.892471999842684). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-268.985269025313698 > -400.662292444809793). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-263.498685311211091 > -369.832213016408275). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-184.711359310582907 > -226.863145719922102). You may want to try with a higher value
 of support_fraction (current value: 0.099).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

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et) (-262.655912678564846 > -330.922399115718235). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-188.255425252917860 > -355.541569643351522). You may want to try with a higher value
 of support_fraction (current value: 0.099).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value

```
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
```

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

```
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
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 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(

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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.485786773520772 > -238.352769623742887). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.858690749532769 > -237.441147428781818). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.854276636309095 > -236.722139448182986). You may want to try with a higher value
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of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.144648441939552 > -241.954848481233256). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.056874935720970 > -241.333305332729196). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.305476839723127 > -239.414082092988082). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.926223802421902 > -238.193524025114982). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.489554403814708 > -238.626145929260502). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.861358525593971 > -244.311478478723700). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.542214204825143 > -237.862831515742215). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.507733883708113 > -237.144479834723711). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.312320955683617 > -239.990894471547080). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.943780536188655 > -239.881598612568752). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.223820661321724 > -239.233468490510347). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.053713996616267 > -240.798086710541952). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.769138638482218 > -235.534533261852374). You may want to try with a higher value
 of support_fraction (current value: 0.251).

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.132197361166192 > -241.065487200469875). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.779129046709841 > -237.919165540174419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.543919669958328 > -127.300023671063542). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.522241063460086 > -239.153179223199885). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.567014823624874 > -235.613840999413668). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.244359199146572 > -240.705793464711547). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.086671188827950 > -235.665087350446811). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.814755554253480 > -236.624979270830949). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.303526141368906 > -238.808938775176671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.275805588938312 > -238.296266292884013). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.724302322692154 > -232.931439600312899). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.498951203074711 > -237.331728220399611). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.272360007524071 > -233.764823383323517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
```

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.777936065976490 > -233.154308678750425). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-245.923974644472167 > -278.459097556222048). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.035726351369732 > -345.456382384226686). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.173741783917222 > -236.718750807631920). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.567874772750145 > -238.064697370578983). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.334210729752272 > -244.679740314856758). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.327445576317359 > -243.084119590905061). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.177488132442818 > -239.878404479565745). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.812819629993072 > -240.671083688461039). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.102417991815486 > -240.565735759137795). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.249602719975542 > -241.419535414094923). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.345626269893188 > -277.556338360257882). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.059322941581684 > -238.803690375276886). You may want to try with a higher value

 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.069020261605658 > -241.879120641571490). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.598733002532185 > -239.354878882583478). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.746383031940127 > -237.072818434980093). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.164017909049790 > -235.466342935409898). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.491457118432606 > -236.169607140231221). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.901511505013971 > -127.935066064892766). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.796123731242858 > -239.610290160463649). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.149543431787407 > -242.187790606756238). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.892657394136592 > -241.116713262645419). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-96.971779634582845 > -128.131077241032528). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.405118868928895 > -237.188541789127243). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.363889960229130 > -241.884314377157381). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-177.153040674394873 > -349.358640643052297). You may want to try with a higher value
 of support_fraction (current value: 0.249).

```
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.479341296027485 > -245.442264732746708). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.725025931786632 > -243.553778023320746). You may want to try with a higher value
 of support_fraction (current value: 0.249).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.655987795035060 > -274.730178822576079). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.356855867067452 > -272.071695103289869). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.124205529847586 > -271.859833788386595). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.162340735379587 > -276.340908164033522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-103.125894831719989 > -136.060421033576517). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.520787062367731 > -273.041013805919420). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.715306895014436 > -274.600422987049228). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.029535791395176 > -242.215718222739127). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.074511176993468 > -240.709399124022212). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.083805441036901 > -242.399184016065988). You may want to try with a higher value
 of support_fraction (current value: 0.251).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

et) (-174.586875292973730 > -242.939253961459087). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.444660171847659 > -273.625456926014635). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.759305353617378 > -273.131853779775156). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.720215581645476 > -274.887508079457177). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.895174121536741 > -241.839063612708060). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.770697892196210 > -274.852153641074892). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.413869003093254 > -273.605437559487768). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.066179417664785 > -273.584167080370321). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.766696027982761 > -271.550931917878984). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.996843442249457 > -271.037293791042089). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.786465887535996 > -268.557642461060539). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.813305534677255 > -269.297755032448094). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.633449644349639 > -270.179767230290281). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.508568224195443 > -270.020637301007639). You may want to try with a higher value

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  of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.862293892244367 > -269.090272431544804). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.118584158890144 > -267.120167016964160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.753655837856911 > -238.359130915797067). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.622788212931354 > -129.737429110441298). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.500310301082010 > -134.597961826431884). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.051852697981332 > -269.280319005560955). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.286241257149413 > -268.848827876558971). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.833060332853165 > -234.512738383394719). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.671398992333167 > -269.193720667818070). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.179882304261440 > -270.178118442042432). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.781074044984280 > -268.445263756819941). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-167.742030206201576 > -266.203144541666973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.227865975149371 > -267.398182630793031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
```

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-100.194142913018737 > -132.872809365118854). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.704163288177568 > -268.628681398635365). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-98.806295931952235 > -137.885486897240554). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.087357572721203 > -270.307908255770769). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.318335392701556 > -241.203139125813578). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.398083685300037 > -342.545312573095600). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-242.637447723040509 > -245.955824671728749). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.543187465965730 > -235.000045807288359). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.313931642207905 > -274.282452975500178). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.539458323144117 > -271.724028796408220). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.898900466755038 > -270.692987890647430). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.375937679300336 > -271.045843783052987). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-171.413168086223806 > -272.571358112495830). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.092826199409302 > -268.814490902818022). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.429149303269185 > -278.677022626404948). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.394600793247378 > -269.956260511009020). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.206325811797740 > -268.454187791014476). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.688094342414274 > -274.648295989209373). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-168.835142319639118 > -271.091515919172593). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.390926724861600 > -270.445096701563671). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-250.626189238618679 > -273.755231261804340). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.610924531168195 > -266.521628487851103). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.596459854058423 > -273.547565681746960). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.125139072091713 > -271.265777532458969). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.904756567748507 > -272.411406744740361). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.243006328551616 > -272.125905370802002). You may want to try with a higher value

of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.157352120194389 > -272.859320332617813). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.545961341495911 > -271.542648254796575). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-97.642272943998663 > -130.112467728579531). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.797995796331861 > -275.974061307407396). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.330343813190638 > -274.711062332006009). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.425345761962575 > -268.368765045337511). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.705138788183632 > -268.548489876639053). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.100652899140073 > -271.519585065567014). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-170.642885103144863 > -270.462322584337358). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.240018209159899 > -270.888244868531160). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.228757850577892 > -273.830444073491833). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.336089788372817 > -242.461434537336118). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.841195306693123 > -239.830031457251721). You may want to try with a higher value
 of support_fraction (current value: 0.249).

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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.317456579133676 > -231.633031061846538). You may want to try with a higher value
 of support_fraction (current value: 0.249).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.831524221229927 > -237.359127221459232). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.043662359812231 > -236.830938971134145). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.157550228746231 > -230.839664456456973). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-169.423638273151852 > -233.621639362603929). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.487121189432145 > -235.369326029626819). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-176.570101135214088 > -240.461015841621901). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-99.905943954660174 > -128.410267938948891). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-171.517777654564156 > -235.348410879768522). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.954661586288438 > -237.492513642661095). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-172.090198298658720 > -234.872621430187934). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-173.238722785057149 > -237.120291583468202). You may want to try with a higher value
 of support_fraction (current value: 0.251).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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et) (-174.342369328994664 > -235.897452132067031). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-175.706347941781502 > -236.990238441893126). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-178.133500707113313 > -242.361525877206503). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.267015189187248 > -236.192645750631527). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-174.927447685519013 > -236.012751584201339). You may want to try with a higher value
 of support_fraction (current value: 0.251).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

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et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
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    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
    warnings.warn(
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erWarning: The covariance matrix associated to your dataset is not full rank
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.167315622240636 > -225.808502080435403). You may want to try with a higher value
 of support_fraction (current value: 0.500).
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-166.451581576091513 > -232.461815572693524). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-163.112922406951014 > -229.906642247423633). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-86.456684292411623 > -124.223392068903649). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.452480008742668 > -225.104616953684967). You may want to try with a higher value
 of support_fraction (current value: 0.501).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-160.142149045894058 > -223.744652589954939). You may want to try with a higher value
 of support_fraction (current value: 0.500).
    warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.436111210155019 > -224.522479726920295). You may want to try with a higher value
 of support_fraction (current value: 0.500).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.153868615563425 > -227.090045035059603). You may want to try with a higher value
 of support_fraction (current value: 0.500).
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-162.687282230756040 > -225.864034651592164). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.833708682816734 > -125.467638867538668). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-89.214466419680861 > -129.537530142825972). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-88.880296414551950 > -127.558624853572951). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-161.102835976994669 > -230.050786170319753). You may want to try with a higher value
 of support_fraction (current value: 0.500).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.477373956362044 > -256.039458012604541). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-95.125382109196764 > -255.555777247428267). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.075028412836133 > -226.881288276534349). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.985285497886110 > -225.730909547074987). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.538445679354908 > -225.602648583523006). You may want to try with a higher value
 of support_fraction (current value: 0.499).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-159.323268353885538 > -226.277390168206466). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
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ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.711873407556197 > -224.666016469593330). You may want to try with a higher value
 of support_fraction (current value: 0.501).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.364975150088128 > -226.328026475465833). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-157.934868185543877 > -224.940900067553258). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-158.267325970397195 > -225.851693295486371). You may want to try with a higher value
 of support_fraction (current value: 0.499).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
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 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru

```
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
```

    et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
   warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d

et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.959013538095661 > -141.053230011878156). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.886441482234133 > -139.246765849999321). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.950088835239569 > -139.645920291168977). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.924873777036979 > -139.916012056737117). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.752384711075621 > -139.197793447487697). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.414776857529446 > -139.469341477457277). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.711784500390479 > -149.085751803284893). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.250377465169535 > -138.651289441759815). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.545622344903052 > -139.243191951304908). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.957692725671421 > -139.458186796644526). You may want to try with a higher value
 of support_fraction (current value: 0.749).

```
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.702366037852101 > -141.548736999327417). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.328590258770433 > -142.725009479408016). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.374608693835597 > -140.150679715824452). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.173312446935981 > -139.081823419838798). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-80.703571396202662 > -139.653177927860071). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -139.169254070231545). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.147844858643396 > -140.629639963277612). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.436293768001093 > -140.221765473085213). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.712232431276362 > -140.660100061507762). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-81.362020635919990 > -139.256929780950372). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.404476128819198 > -141.987463456161493). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-142.696112275177200 > -144.974974831943115). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.704228522844730 > -242.155703140218804). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.866815744049148 > -140.643270624748425). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-83.260917214658818 > -140.712083501537279). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.408141068517523 > -141.119926737729344). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.286952378308371 > -151.865478378199498). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-144.362957611511575 > -150.110198083479986). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-87.455885385998329 > -216.551983661265268). You may want to try with a higher value
 of support_fraction (current value: 0.749).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-84.165338745025039 > -142.773801952032443). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.667198794597894 > -142.399659974559711). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-85.060355030912788 > -143.845123629390770). You may want to try with a higher value
 of support_fraction (current value: 0.752).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-143.518123651579231 > -148.641859346066724). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-141.792827662245742 > -147.382332662034486). You may want to try with a higher value
 of support_fraction (current value: 0.750).
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
 Outlier removal with best cross val accuracy:  EllipticEnvelope(contamination=0.01, rando
m_state=1, support_fraction=0.75)
```

```
Max accuracy score:   0.9061147119970648
Index of max accuracy score:   23
Balanced accuracy of system with most accuracy:   0.7751504556226003

 Outlier removal with best cross val balanced accuracy:   EllipticEnvelope(contamination=0.
01, random_state=1, support_fraction=0.75)
Max balanced accuracy score:   0.7751504556226003
index of max ball ac score:   23
Accuracy of system with most balanced accuracy:   0.9061147119970648

C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:184: Ru
ntimeWarning: Determinant has increased; this should not happen: log(det) > log(previous_d
et) (-82.241034676065055 > -218.756966425967875). You may want to try with a higher value
of support_fraction (current value: 0.750).
  warnings.warn(

  Outlier removal with best cross val accuracy:  EllipticEnvelope(contamination=0.01,
  random_state=1, support_fraction=0.75)
  Max accuracy score:  0.9061147119970648
  Index of max accuracy score:  23
  Balanced accuracy of system with most accuracy:  0.7751504556226003

   Outlier removal with best cross val balanced accuracy:
  EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.75)
  Max balanced accuracy score:  0.7751504556226003
  index of max ball ac score:  23
  Accuracy of system with most balanced accuracy:  0.9061147119970648
```

(originally i was worried, because the custom pipeline was deleting records from the WHOLE train set (meaning that the validation set would have records deleted too) and I was getting very good accuracies for outliers removers with contamination set to 0.5 - they were deelting half the dataset)

Now I understand how cross validation works properly, I dont need to worry about contamination being high! the fact that the validation set is seperated from the four other folds completely means that it wont have had anything done to it.

with the highest balanced accuracy of the set, and an accuracy equivalent to the highest accuracies of other outlier removers, EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.75) seems to be the best outlier removal strategy.

But, before we select it completely, lets test it out without outlier removal.

```
In [219...  clf = make_pipeline(SimpleImputer(),
                                StandardScaler(),
                                SVC(random_state = 1))

           #could add a threshold to the funcsample - so that if the answer has more outliers removed
           cv =  StratifiedKFold(n_splits = 5, shuffle = False, random_state = None) #random state is
           scoresAcc = cross_val_score(clf, X_train, y_train, cv=cv)
           meanAcc = scoresAcc.mean()

           scoresBallAcc = cross_val_score(clf, X_train, y_train, cv=cv, scoring = "balanced_accuracy
           meanBallAcc = scoresBallAcc.mean()

           print("Mean balanced accuracy: ", meanBallAcc)
           print("Mean accuracy: ", meanAcc)
```

```
Mean balanced accuracy:   0.7714745093953287
Mean accuracy:   0.9070156128979658
```

The balanced accuracy and mean balanced accuracy of having no outlier removal vs

EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.75) is similar, but I am going to stick with the envelope because its balanced accuracy is slightly better.

current pipeline: SimpleImputer(), StandardScaler(), FunctionSampler(func=OutlierRemoverFuncSampler,kw_args={"strategy" :EllipticEnvelope(contamination=0.01, random_state=1, support_fraction=0.75)})

And finally, lets check with the robustScaler:

In [257...

```
best_outlier_params(diff_iso_forests, RobustScaler())
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\ensemble\_iforest.py:307: UserWarning: m
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 Outlier removal with best cross val accuracy:  IsolationForest(contamination=0.1, max_sam
ples=1024, n_estimators=200,
                random_state=1)
Max accuracy score:  0.8619379560556031
Index of max accuracy score:  79
Balanced accuracy of system with most accuracy:  0.5633445779299876

 Outlier removal with best cross val balanced accuracy:  IsolationForest(contamination=0.
1, max_samples=1024, n_estimators=200,
                random_state=1)
Max balanced accuracy score:  0.5633445779299876
index of max ball ac score:  79
Accuracy of system with most balanced accuracy:  0.8619379560556031


    Outlier removal with best cross val accuracy:  IsolationForest(contamination=0.1,
```

```
                    max_samples=1024, n_estimators=200,
                                random_state=1)
        Max accuracy score:  0.8619379560556031
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        Balanced accuracy of system with most accuracy:  0.5633445779299876

         Outlier removal with best cross val balanced accuracy:
        IsolationForest(contamination=0.1, max_samples=1024, n_estimators=200,
                                random_state=1)
        Max balanced accuracy score:  0.5633445779299876
        index of max ball ac score:  79
        Accuracy of system with most balanced accuracy:  0.8619379560556031
```

In [258... `best_outlier_params(diff_lofs, RobustScaler())`

```
         Outlier removal with best cross val accuracy:  LocalOutlierFactor(novelty=True)
        Max accuracy score:  0.8925971220088866
        Index of max accuracy score:  2
        Balanced accuracy of system with most accuracy:  0.7134172500367437

         Outlier removal with best cross val balanced accuracy:  LocalOutlierFactor(novelty=True)
        Max balanced accuracy score:  0.7134172500367437
        index of max ball ac score:  2
        Accuracy of system with most balanced accuracy:  0.8925971220088866
```

In [259... `best_outlier_params(diff_oneclass, RobustScaler())`

```
         Outlier removal with best cross val accuracy:  OneClassSVM(gamma='auto')
        Max accuracy score:  0.8266968325791856
        Index of max accuracy score:  6
        Balanced accuracy of system with most accuracy:  0.4527732351419315

         Outlier removal with best cross val balanced accuracy:  OneClassSVM(gamma='auto', kernel
        ='poly')
        Max balanced accuracy score:  0.48689549219522305
        index of max ball ac score:  5
        Accuracy of system with most balanced accuracy:  0.8195100077453018
```

In [260... `best_outlier_params(diff_sgdoneclass, RobustScaler())`

```
         Outlier removal with best cross val accuracy:  SGDOneClassSVM(eta0=2.0, fit_intercept=Fal
        se, learning_rate='invscaling',
                        max_iter=250, random_state=1)
        Max accuracy score:  0.8447841506665036
        Index of max accuracy score:  354
        Balanced accuracy of system with most accuracy:  0.5339654794909429

         Outlier removal with best cross val balanced accuracy:  SGDOneClassSVM(eta0=0.5, fit_inte
        rcept=False, max_iter=250, nu=0.1,
                        random_state=1)
        Max balanced accuracy score:  0.5340286108040742
        index of max ball ac score:  80
        Accuracy of system with most balanced accuracy:  0.843879173290938
```

In [261... `best_outlier_params(diff_envelopes, RobustScaler())`

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        C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance\_robust_covariance.py:745: Us
        erWarning: The covariance matrix associated to your dataset is not full rank
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
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C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\covariance_robust_covariance.py:745: Us
erWarning: The covariance matrix associated to your dataset is not full rank
  warnings.warn(
 Outlier removal with best cross val accuracy: EllipticEnvelope(contamination=0.05, rando
m_state=1, support_fraction=0.75)
Max accuracy score: 0.8880885410297175
Index of max accuracy score: 27
Balanced accuracy of system with most accuracy: 0.6925839167034105

 Outlier removal with best cross val balanced accuracy: EllipticEnvelope(assume_centered=
True, contamination=0.05, random_state=1,
                 support_fraction=0.1)
Max balanced accuracy score: 0.695984299845173
index of max ball ac score: 4
Accuracy of system with most balanced accuracy: 0.8871876401288166

```
   Outlier removal with best cross val accuracy:
  EllipticEnvelope(contamination=0.05, random_state=1, support_fraction=0.75)
  Max accuracy score:  0.8880885410297175
  Index of max accuracy score:  27
  Balanced accuracy of system with most accuracy:  0.6925839167034105

   Outlier removal with best cross val balanced accuracy:
  EllipticEnvelope(assume_centered=True, contamination=0.05, random_state=1,
                  support_fraction=0.1)
  Max balanced accuracy score:  0.695984299845173
  index of max ball ac score:  4
  Accuracy of system with most balanced accuracy:  0.8871876401288166
```

With much worse balanced accuracy and sligfhtly worse accuracy across the board, RobustScaler seems like a

bad choice compared to StandardScaler()

Balancing & feature selection

Now its time to do balancing and feature selection

In [39]:
```python
#now we need to find the best feature sdelection strategy.
from sklearn.feature_selection import SelectKBest
from sklearn.feature_selection import SelectPercentile
from sklearn.feature_selection import GenericUnivariateSelect
from sklearn.feature_selection import SelectFpr
from sklearn.feature_selection import SelectFwe
from sklearn.feature_selection import SelectFdr
from sklearn.model_selection import ParameterGrid
from sklearn.covariance import EllipticEnvelope
from imblearn.over_sampling import SMOTE, ADASYN
from sklearn.preprocessing import StandardScaler


featSelection_params = [
    (SelectKBest, {"k" : [5,10,15,20,22]}),
    (SelectPercentile, {"percentile" : [5,10,15,20,50,75]}),
    (GenericUnivariateSelect, {"mode" : ["percentile", "k_best", "fpr", "fdr", "fwe"]}),
    (SelectFpr, {}),
    (SelectFwe, {}),
    (SelectFdr, {})
]

featSelectors = [ctor(**para) for ctor, paras in featSelection_params for para in Paramete
print(featSelectors)

params = dict(impute = [SimpleImputer()], scale = [StandardScaler()], outlier = [FunctionS
params
```

```
[SelectKBest(k=5), SelectKBest(), SelectKBest(k=15), SelectKBest(k=20), SelectKBest(k=22),
SelectPercentile(percentile=5), SelectPercentile(), SelectPercentile(percentile=15), Selec
tPercentile(percentile=20), SelectPercentile(percentile=50), SelectPercentile(percentile=7
5), GenericUnivariateSelect(), GenericUnivariateSelect(mode='k_best'), GenericUnivariateSe
lect(mode='fpr'), GenericUnivariateSelect(mode='fdr'), GenericUnivariateSelect(mode='fw
e'), SelectFpr(), SelectFwe(), SelectFdr()]
```

Out[39]:
```
{'impute': [SimpleImputer()],
 'scale': [StandardScaler()],
 'outlier': [FunctionSampler(func=<function OutlierRemoverFuncSampler at 0x00000265B5EF1D3
0>,
                kw_args={'strategy': EllipticEnvelope(contamination=0.01,
                                                      random_state=1,
                                                      support_fraction=0.75)})],
 'featSelector': [SelectKBest(k=5),
  SelectKBest(),
  SelectKBest(k=15),
  SelectKBest(k=20),
  SelectKBest(k=22),
  SelectPercentile(percentile=5),
  SelectPercentile(),
  SelectPercentile(percentile=15),
  SelectPercentile(percentile=20),
  SelectPercentile(percentile=50),
  SelectPercentile(percentile=75),
  GenericUnivariateSelect(),
  GenericUnivariateSelect(mode='k_best'),
  GenericUnivariateSelect(mode='fpr'),
  GenericUnivariateSelect(mode='fdr'),
  GenericUnivariateSelect(mode='fwe'),
```

```
         SelectFpr(),
         SelectFwe(),
         SelectFdr()],
        'clf': [SVC()]}
```

In [40]:
```python
#need to do feature selection, then resampling, and find the best combo.
"""diff_feat_selectors = [SelectKBest(k=5),
  SelectKBest(),
  SelectKBest(k=15),
  SelectKBest(k=20),
  SelectKBest(k=22),
  SelectPercentile(percentile=5),
  SelectPercentile(),
  SelectPercentile(percentile=15),
  SelectPercentile(percentile=20),
  SelectPercentile(percentile=50),
  SelectPercentile(percentile=75),
  GenericUnivariateSelect(),
  GenericUnivariateSelect(mode='k_best'),
  GenericUnivariateSelect(mode='fpr'),
  GenericUnivariateSelect(mode='fdr'),
  GenericUnivariateSelect(mode='fwe'),
  SelectFpr(),
  SelectFwe(),
  SelectFdr()]"""
#deleted one as it was causing errors
diff_feat_selectors = [SelectKBest(k=5),
  SelectKBest(),
  SelectKBest(k=15),
  SelectKBest(k=20),
  SelectKBest(k=22),
  SelectPercentile(percentile=5),
  SelectPercentile(),
  SelectPercentile(percentile=15),
  SelectPercentile(percentile=20),
  SelectPercentile(percentile=50),
  SelectPercentile(percentile=75),
  GenericUnivariateSelect(),
  GenericUnivariateSelect(mode='fpr'),
  GenericUnivariateSelect(mode='fdr'),
  GenericUnivariateSelect(mode='fwe'),
  SelectFpr(),
  SelectFwe(),
  SelectFdr()]
```

In [41]:
```python
from sklearn.model_selection import cross_val_score
from sklearn.preprocessing import RobustScaler
#from sklearn.pipeline import make_pipeline
from imblearn.pipeline import make_pipeline
from imblearn import FunctionSampler

def best_feat_SMOTE_params(diff_params, balancing_strategy, balance_first):
    scores = []
    maxScore = 0;
    maxScoreIndex = 0;
    maxScoreOutliersRemoved = 0;
    ballAccOfMaxAcc = 0

    maxBallAcc = 0
    maxBallAccIndex = 0
    maxAccOfMaxBallAcc = 0

    index = 0
    best_clf = None;
```

```python
        index = 0


    for permutation in diff_params:

        #adjust the order of the pipelien depending on whether there is a balancing strate
        #the balancing startegy should be before feature seelction
        if(balancing_strategy != None):
            if(balance_first == True):
                clf = make_pipeline(
                    SimpleImputer(),
                    StandardScaler(),
                    FunctionSampler(func=OutlierRemoverFuncSampler,kw_args={"strategy" : I
                    balancing_strategy,
                    permutation,
                    SVC()
                )
            else:
                clf = make_pipeline(
                    SimpleImputer(),
                    StandardScaler(),
                    FunctionSampler(func=OutlierRemoverFuncSampler,kw_args={"strategy" : I
                    permutation,
                    balancing_strategy,
                    SVC()
                )
        else:
            clf = make_pipeline(
                    SimpleImputer(),
                    StandardScaler(),
                    FunctionSampler(func=OutlierRemoverFuncSampler,kw_args={"strategy" : I
                    permutation,
                    SVC()
            )


        #cross validate the pipeline and get different scores
        cv =  StratifiedKFold(n_splits = 5, shuffle = False, random_state = None)#random s
        scoresAcc = cross_val_score(clf, X_train, y_train, cv=cv)
        meanAcc = scoresAcc.mean()

        scoresBallAcc = cross_val_score(clf, X_train, y_train, cv=cv, scoring = "balanced_
        meanBallAcc = scoresBallAcc.mean()
        #print("mean accuracy: %0.2f accuracy, standard deviation: %0.2f" % (mean, scores.
        #scores.append(mean)
        scores = np.append(scores, [meanAcc, meanBallAcc])


        #saave scores if they are the best
        if (meanAcc > maxScore):
            maxScore = meanAcc
            maxScoreIndex = index
            ballAccOfMaxAcc = meanBallAcc


        if (meanBallAcc > maxBallAcc):
            maxBallAcc = meanBallAcc
            maxBallAccIndex = index
            accOfMaxBallAcc = meanAcc


        index = index + 1

    print("\n Feature selection then balancing combo with best cross val accuracy: ", dif
```

```
        print("Max accuracy score: ", maxScore)
        print("Index of max accuracy score: ", maxScoreIndex)
        print("Balanced accuracy of system with most accuracy: ", ballAccOfMaxAcc)

        print("\n Feature selection then balancing combo with best cross val balanced accuracy
        print("Max balanced accuracy score: ", maxBallAcc)
        print("index of max ball ac score: ", maxBallAccIndex)
        print("Accuracy of system with most balanced accuracy: ", accOfMaxBallAcc)
```

In [42]:
```
best_feat_SMOTE_params(diff_feat_selectors, SMOTE(), True)
```

```
 Feature selection then balancing combo with best cross val accuracy:  SelectKBest(k=15)
Max accuracy score:  0.8916473034120094
Index of max accuracy score:  2
Balanced accuracy of system with most accuracy:  0.8477364939005362

 Feature selection then balancing combo with best cross val balanced accuracy:  SelectKBes
t(k=15)
Max balanced accuracy score:  0.8477364939005362
index of max ball ac score:  2
Accuracy of system with most balanced accuracy:  0.8916473034120094
```

In [43]:
```
best_feat_SMOTE_params(diff_feat_selectors, ADASYN(), True)
```

```
 Feature selection then balancing combo with best cross val accuracy:  SelectKBest(k=15)
Max accuracy score:  0.8907260201377849
Index of max accuracy score:  2
Balanced accuracy of system with most accuracy:  0.8594279777040889

 Feature selection then balancing combo with best cross val balanced accuracy:  SelectKBes
t(k=15)
Max balanced accuracy score:  0.8594279777040889
index of max ball ac score:  2
Accuracy of system with most balanced accuracy:  0.8907260201377849
```

In [44]:
```
best_feat_SMOTE_params(diff_feat_selectors, SMOTE(), False)
```

```
 Feature selection then balancing combo with best cross val accuracy:  GenericUnivariateSe
lect(mode='fwe')
Max accuracy score:  0.8898414251355428
Index of max accuracy score:  14
Balanced accuracy of system with most accuracy:  0.8428457763805083

 Feature selection then balancing combo with best cross val balanced accuracy:  SelectKBes
t()
Max balanced accuracy score:  0.8682833039383266
index of max ball ac score:  1
Accuracy of system with most balanced accuracy:  0.8789939260527497
```

In [45]:
```
best_feat_SMOTE_params(diff_feat_selectors, ADASYN(), False)
```

```
 Feature selection then balancing combo with best cross val accuracy:  SelectFpr()
Max accuracy score:  0.8853369206310383
Index of max accuracy score:  15
Balanced accuracy of system with most accuracy:  0.8346479243300052

 Feature selection then balancing combo with best cross val balanced accuracy:  SelectKBes
t()
Max balanced accuracy score:  0.845676228993142
index of max ball ac score:  1
Accuracy of system with most balanced accuracy:  0.8591455709102768
```

Although acuracy has gone slightly down, the balancing has clearly made the estimator more effective for predicting the minority target classes, as the balanced accuracy has gone up a lot.

SelectKBest() followed by SMOTE() provides the best balanced accuracy, with a balanced accuracy of 0.866 (3d.p), and an accuracy of 0.883 (3.d.p) (diff 0.008)

SMOTE() followed by GenericUnivariateSelect(mode='fpr') provides the best accuracy, with an accuracy of 0.891 (3.dp), and a balanced accuracy of 0.815 (3 d.p)

SelectKBest followed by SMOTE() will be the next steps in the pipeline. Its balanced accuracy is the highest of the selection, and its accuracy is only 0.008 below the combination with the highest accuracy. Although the acuracy score is 0.023 below the highest accuracy score at the previous step, its balanced accuracy is 0.091 above the previous step's balanced accuracy - the feature selection and balancing has made the pipeline better at correctly classifying minority classes.

For the sake of fairness, I am next going to test the balanced accuracy and accuracies of the best pipelines using only balancing or feature selection, to see if not having one of these steps is an improvement.

In [46]:
```python
def best_params_balance_only(balancing_strategies):
    scores = []
    maxScore = 0;
    maxScoreIndex = 0;
    maxScoreOutliersRemoved = 0;
    ballAccOfMaxAcc = 0

    maxBallAcc = 0
    maxBallAccIndex = 0
    maxAccOfMaxBallAcc = 0

    index = 0
    best_clf = None;
    #maxScoreOutliersRemoved = 0;

    index = 0

    for balancing_strategy in balancing_strategies:

        clf = make_pipeline(
            SimpleImputer(),
            StandardScaler(),
            FunctionSampler(func=OutlierRemoverFuncSampler,kw_args={"strategy" : LocalOutl
            balancing_strategy,
            SVC()
        )


        cv =  StratifiedKFold(n_splits = 5, shuffle = False, random_state = None) #random
        scoresAcc = cross_val_score(clf, X_train, y_train, cv=cv)
        meanAcc = scoresAcc.mean()

        scoresBallAcc = cross_val_score(clf, X_train, y_train, cv=cv, scoring = "balanced_
        meanBallAcc = scoresBallAcc.mean()

        scores = np.append(scores, [meanAcc, meanBallAcc])

        if (meanAcc > maxScore):
            maxScore = meanAcc
            maxScoreIndex = index
            ballAccOfMaxAcc = meanBallAcc

        if (meanBallAcc > maxBallAcc):
```

```
                maxBallAcc = meanBallAcc
                maxBallAccIndex = index
                accOfMaxBallAcc = meanAcc


            index = index + 1

        print("\n Balancing strategy with best cross val accuracy: ", balancing_strategies[max
        print("Max accuracy score: ", maxScore)
        print("Index of max accuracy score: ", maxScoreIndex)
        print("Balanced accuracy of strategy with most accuracy: ", ballAccOfMaxAcc)

        print("\n Balancing strategy with best cross val balanced accuracy: ", balancing_strat
        print("Max balanced accuracy score: ", maxBallAcc)
        print("index of max ball ac score: ", maxBallAccIndex)
        print("Accuracy of strategy with most balanced accuracy: ", accOfMaxBallAcc)
```

In [47]:
```
best_params_balance_only([SMOTE(), ADASYN()])
```

```
 Balancing strategy with best cross val accuracy:  ADASYN()
Max accuracy score:  0.8826382944030003
Index of max accuracy score:  1
Balanced accuracy of strategy with most accuracy:  0.8177479272493724

 Balancing strategy with best cross val balanced accuracy:  ADASYN()
Max balanced accuracy score:  0.8177479272493724
index of max ball ac score:  1
Accuracy of strategy with most balanced accuracy:  0.8826382944030003
```

In [48]:
```
best_feat_SMOTE_params(diff_feat_selectors, None, False)
```

```
 Feature selection then balancing combo with best cross val accuracy:  SelectKBest(k=15)
Max accuracy score:  0.9052138110961641
Index of max accuracy score:  2
Balanced accuracy of system with most accuracy:  0.7480423051523809

 Feature selection then balancing combo with best cross val balanced accuracy:  SelectPerc
entile(percentile=50)
Max balanced accuracy score:  0.758775896799367
index of max ball ac score:  9
Accuracy of system with most balanced accuracy:  0.9043210631445925
```

Balancing without feature selection leaves accuracy the same as the previous iteration, but with worse balanced accruacy.

Feature selection without balancing provides better accuracy, but worse balanced accuracy.

Although the accuracy score of feature selection without balancing is much better, the balanced accuracy is much worse - the train dataset did not have an even proportion of target classes, so balanced accuracy is important to ensure that the less likely cases will be classified correctly more often.

Because we are working out whether patients are high risk, medium risk, or low risk, it is important not to misclassify patients who are truely high risk incorrectly, as this could have danggerous impacts for there health. Sensitivity / recall is "the proportion oof people that tested positive and are positive of all the people who are actually positive". We want to get the sensitivity / recall of the high risk patients - where poisitive is them being classified as high risk, and negative is them being classified as low or medium risk. Higher sensitivity for high risk patients means that fewer truely hig risk patients will remain undetected.

In [51]:
```
from sklearn.model_selection import cross_val_score
```

```python
from sklearn.preprocessing import RobustScaler
#from sklearn.pipeline import make_pipeline
from imblearn.pipeline import make_pipeline
from imblearn import FunctionSampler
from sklearn.metrics import recall_score
from sklearn.metrics import make_scorer

def best_feat_SMOTE_params(diff_params, balancing_strategy, balance_first):
    scores = []
    maxScore = 0;
    maxScoreIndex = 0;
    maxScoreOutliersRemoved = 0;
    ballAccOfMaxAcc = 0
    recallOfMaxAcc = None;

    maxBallAcc = 0
    maxBallAccIndex = 0
    maxAccOfMaxBallAcc = 0
    recallOfMaxBallAcc = None;

    best_hr_recall = 0
    best_hr_recall_index = 0
    acc_best_hr_recall = 0
    ball_acc_best_hr_recall = 0
    all_recalls_best_hr_recall = None;

    index = 0
    best_clf = None;
    #maxScoreOutliersRemoved = 0;

    index = 0


    #loop through permutations
    for permutation in diff_params:

        #adjust the order of the pipelien depending on whether there is a balancing strate
        #the balancing startegy should be before feature seelction
        if(balancing_strategy != None):
            if(balance_first == True):
                clf = make_pipeline(
                    SimpleImputer(),
                    StandardScaler(),
                    FunctionSampler(func=OutlierRemoverFuncSampler,kw_args={"strategy" : I
                    balancing_strategy,
                    permutation,
                    SVC()
                )
            else:
                clf = make_pipeline(
                    SimpleImputer(),
                    StandardScaler(),
                    FunctionSampler(func=OutlierRemoverFuncSampler,kw_args={"strategy" : I
                    permutation,
                    balancing_strategy,
                    SVC()
                )
        else:
            clf = make_pipeline(
                    SimpleImputer(),
                    StandardScaler(),
                    FunctionSampler(func=OutlierRemoverFuncSampler,kw_args={"strategy" : I
                    permutation,
                    SVC()
            )
```

```python
        #cross validate and get scores
        cv =  StratifiedKFold(n_splits = 5, shuffle = False, random_state = None)#random s
        scoresAcc = cross_val_score(clf, X_train, y_train, cv=cv)
        meanAcc = scoresAcc.mean()

        scoresBallAcc = cross_val_score(clf, X_train, y_train, cv=cv, scoring = "balanced_
        meanBallAcc = scoresBallAcc.mean()

        recall_low_risk = cross_val_score(clf, X_train, y_train, cv=cv, scoring = make_sco
        recall_medium_risk = cross_val_score(clf, X_train, y_train, cv=cv, scoring = make_
        recall_high_risk = cross_val_score(clf, X_train, y_train, cv=cv, scoring = make_sc

        recall = {
            "Low risk" : recall_low_risk,
            "Medium risk" : recall_medium_risk,
            "High risk" : recall_high_risk
        }
        #print("mean accuracy: %0.2f accuracy, standard deviation: %0.2f" % (mean, scores.
        #scores.append(mean)
        scores = np.append(scores, [meanAcc, meanBallAcc])


        #save scores if one is the best
        if (meanAcc > maxScore):
            maxScore = meanAcc
            maxScoreIndex = index
            ballAccOfMaxAcc = meanBallAcc
            recallOfMaxAcc = recall
            #maxScoreOutliersRemoved = X_train_imp.shape[0] - X_train_imp_trans.shape[0]

        if (meanBallAcc > maxBallAcc):
            maxBallAcc = meanBallAcc
            maxBallAccIndex = index
            accOfMaxBallAcc = meanAcc
            recallOfMaxBallAcc = recall

        if (recall_high_risk > best_hr_recall):
            best_hr_recall = recall_high_risk
            best_hr_recall_index = index
            acc_best_hr_recall = meanAcc
            ball_acc_best_hr_recall = meanBallAcc
            all_recalls_best_hr_recall = recall



        index = index + 1

print("\n Feature selection then balancing combo with best cross val accuracy: ", diff
print("Max accuracy score: ", maxScore)
print("Index of max accuracy score: ", maxScoreIndex)
print("Balanced accuracy of system with most accuracy: ", ballAccOfMaxAcc)
print("Recall: ", recallOfMaxAcc)

print("\n Feature selection then balancing combo with best cross val balanced accuracy
print("Max balanced accuracy score: ", maxBallAcc)
print("index of max ball ac score: ", maxBallAccIndex)
print("Accuracy of system with most balanced accuracy: ", accOfMaxBallAcc)
print("Recall: ", recallOfMaxBallAcc)

print("\nMethod with best high risk recall: ", diff_params[best_hr_recall_index])
print("High risk recall: ", best_hr_recall)
print("index of system with best high risk recall: ", best_hr_recall_index)
print("Accruacy: ", acc_best_hr_recall)
print("balanced accuracy:" , ball_acc_best_hr_recall)
print("All recalls: ", all_recalls_best_hr_recall)
```

```
In [52]:   best_feat_SMOTE_params(diff_feat_selectors, SMOTE(), True)
```

```
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
ning: Note that pos_label (set to 2) is ignored when average != 'binary' (got None). You m
ay use labels=[pos_label] to specify a single positive class.
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
ning: Note that pos_label (set to 2) is ignored when average != 'binary' (got None). You m
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  warnings.warn(
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
ning: Note that pos_label (set to 0) is ignored when average != 'binary' (got None). You m
ay use labels=[pos_label] to specify a single positive class.
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
ning: Note that pos_label (set to 0) is ignored when average != 'binary' (got None). You m
ay use labels=[pos_label] to specify a single positive class.
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
ning: Note that pos_label (set to 0) is ignored when average != 'binary' (got None). You m
ay use labels=[pos_label] to specify a single positive class.
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
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  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
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ay use labels=[pos_label] to specify a single positive class.
  warnings.warn(
C:\Users\Will\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1396: UserWar
ning: Note that pos_label (set to 2) is ignored when average != 'binary' (got None). You m
ay use labels=[pos_label] to specify a single positive class.
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  warnings.warn(
 Feature selection then balancing combo with best cross val accuracy:  SelectPercentile(pe
rcentile=75)
Max accuracy score:  0.8907464025111084
Index of max accuracy score:  10
Balanced accuracy of system with most accuracy:  0.8394920552948257
Recall:  {'Low risk': 0.903322038402764, 'Medium risk': 0.8136363636363637, 'High risk':
0.77}

 Feature selection then balancing combo with best cross val balanced accuracy:  SelectPerc
entile(percentile=50)
```

```
Max balanced accuracy score:  0.862956402776016
index of max ball ac score:  9
Accuracy of system with most balanced accuracy:  0.884440096204802
Recall:  {'Low risk': 0.8941266361039133, 'Medium risk': 0.8321969696969698, 'High risk':
0.7566666666666666}

Method with best high risk recall:  SelectPercentile(percentile=15)
High risk recall:  0.8358333333333334
index of system with best high risk recall:  7
Accruacy:  0.8050262932615875
balanced accuracy: 0.7950214321810893
All recalls:  {'Low risk': 0.8193741279649194, 'Medium risk': 0.7509469696969697, 'High ri
sk': 0.8358333333333334}
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  Feature selection then balancing combo with best cross val accuracy:
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  Max accuracy score:  0.8907464025111084
  Index of max accuracy score:  10
  Balanced accuracy of system with most accuracy:  0.8394920552948257
  Recall:  {'Low risk': 0.903322038402764, 'Medium risk': 0.8136363636363637, 'High
  risk': 0.77}

   Feature selection then balancing combo with best cross val balanced accuracy:
  SelectPercentile(percentile=50)
  Max balanced accuracy score:  0.862956402776016
  index of max ball ac score:  9
  Accuracy of system with most balanced accuracy:  0.884440096204802
  Recall:  {'Low risk': 0.8941266361039133, 'Medium risk': 0.8321969696969698, 'High
  risk': 0.7566666666666666}

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  High risk recall:  0.8358333333333334
  index of system with best high risk recall:  7
  Accruacy:  0.8050262932615875
  balanced accuracy: 0.7950214321810893
  All recalls:  {'Low risk': 0.8193741279649194, 'Medium risk': 0.7509469696969697,
  'High risk': 0.8358333333333334}
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In [53]:
```python
best_feat_SMOTE_params(diff_feat_selectors, ADASYN(), True)
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 Feature selection then balancing combo with best cross val accuracy: SelectKBest(k=15)
Max accuracy score: 0.8880192409604174
Index of max accuracy score: 2
Balanced accuracy of system with most accuracy: 0.8611890858958329
Recall: {'Low risk': 0.9067503820344163, 'Medium risk': 0.80776515151516, 'High risk':
0.8600000000000001}

 Feature selection then balancing combo with best cross val balanced accuracy: SelectKBes
t(k=15)
Max balanced accuracy score: 0.8611890858958329
index of max ball ac score: 2
Accuracy of system with most balanced accuracy: 0.8880192409604174
Recall: {'Low risk': 0.9067503820344163, 'Medium risk': 0.80776515151516, 'High risk':
0.8600000000000001}

Method with best high risk recall: SelectKBest(k=5)
High risk recall: 0.8841666666666667
index of system with best high risk recall: 0
Accruacy: 0.7941543353308059
balanced accuracy: 0.8074929431850899
All recalls: {'Low risk': 0.7870905587668593, 'Medium risk': 0.7392045454545455, 'High ri
sk': 0.8841666666666667}
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In [54]: `best_feat_SMOTE_params(diff_feat_selectors, SMOTE(), False)`

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 Feature selection then balancing combo with best cross val accuracy: SelectFpr()
Max accuracy score: 0.8916554563613387
Index of max accuracy score: 15
Balanced accuracy of system with most accuracy: 0.8294215978803383
Recall: {'Low risk': 0.9171284300046508, 'Medium risk': 0.8011363636363636, 'High risk':
0.77}

 Feature selection then balancing combo with best cross val balanced accuracy: SelectKBes
t()
Max balanced accuracy score: 0.8608185326455707
index of max ball ac score: 1
Accuracy of system with most balanced accuracy: 0.8862215156332803
Recall: {'Low risk': 0.8883595774367151, 'Medium risk': 0.8507575757575758, 'High risk':
0.8708333333333333}

Method with best high risk recall: SelectKBest(k=5)
High risk recall: 0.8841666666666667
index of system with best high risk recall: 0
Accruacy: 0.8410827116709468
balanced accuracy: 0.8351033606948496
All recalls: {'Low risk': 0.852687529067836, 'Medium risk': 0.7827651515151516, 'High ris
k': 0.8841666666666667}

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   Feature selection then balancing combo with best cross val balanced accuracy:
  SelectKBest()
  Max balanced accuracy score: 0.8608185326455707

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index of max ball ac score:  1
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'High risk': 0.8841666666666667}
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In [55]:
```python
best_feat_SMOTE_params(diff_feat_selectors, ADASYN(), False)
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 Feature selection then balancing combo with best cross val accuracy:  SelectFpr()
Max accuracy score:  0.8862459744812685
Index of max accuracy score:  15
Balanced accuracy of system with most accuracy:  0.8398094156635117
Recall:  {'Low risk': 0.9102119460500964, 'Medium risk': 0.7517045454545455, 'High risk':
0.8091666666666667}

 Feature selection then balancing combo with best cross val balanced accuracy:  SelectKBes
t()
Max balanced accuracy score:  0.8556020691265858
index of max ball ac score:  1
Accuracy of system with most balanced accuracy:  0.86184012066365
Recall:  {'Low risk': 0.8733971164706663, 'Medium risk': 0.7763257575757576, 'High risk':
0.8983333333333334}

Method with best high risk recall:  SelectPercentile(percentile=20)
High risk recall:  0.9233333333333335
index of system with best high risk recall:  8
Accruacy:  0.7950470832823774
balanced accuracy: 0.8349118854480626
All recalls:  {'Low risk': 0.7813500764068833, 'Medium risk': 0.79526515151515, 'High ri
sk': 0.9233333333333335}
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```

The previous best setup was SelectKBest() followed by SMOTE(): best balanced accuracy. (also best high risk recall of feature selection then smote) balanced accuracy: 0.866 (3d.p), accuracy: 0.883 (3.d.p), HR recall : 0.872

(3.d.p) NEW with best recall - SelectKBest(k=5) followed by ADASYN(): balanced accuracy : 0.836 (3d.p), accuracy : 0.794 (3.d.p), HR recall : 0.911 (3.d.p)

The other best in class combinations do not compare to these two.

With the new statistics about the recall of the models, and access to the model with the best recall for high risk patients, I am choosing to stick with SelectKBest() followed by SMOTE(). Its recall for high risk patients is still very good, and not too different from the best high risk recall score, whereas its balanced accuracy is better.

However, when deciding the estimator, it may be interesting to swap around the pipeline so it uses a SelectKBest(k=5) followed by ADASYN() pipeline, and see the differences.

Next, we are working out what we want out of feature discretisation, feature agglomeration, and some of sklearns transformers. originally I was going to work outwhether it would be better to have feature discretisation or feature construction first - but feature discretisation helps linear classifiers classify, and we have been clasifying using an SVC. therefore I am going to wait until we are trying lots of different classifiers in a gridsearchCV at the end, and include feature discretisation as an optional step when looking through all the combinations.

Feature construction also adjusts the number of clusters, which may effect different classifiers differently in the end because of they different ways they work. For this reason, we will add this to the combinations of things which maybe used.

Lets get the possible combinations of feature discretisation: