Number of POI in the dataset: 18

Number of non-POI in the dataset: 128

Digite:

OR para dados originais,

NF para com novas features ou

TB para melhores features.

NF

----------+-- ADABOOST CLASSIFIER --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

----------+-- DECISION TREE --+-----------

Accuracy: 0.8409090909090909

Precision: 1.0

Recall: 0.125

F1: 0.2222222222222222

Confusion Matrix:

[[36 0]

[ 7 1]]

----------+-- GAUSSIAN NAIVE BAyES --+-----------

Accuracy: 0.8409090909090909

Precision: 0.6

Recall: 0.375

F1: 0.4615384615384615

Confusion Matrix:

[[34 2]

[ 5 3]]

----------+-- RANDOM FOREST --+-----------

Accuracy: 0.8409090909090909

Precision: 1.0

Recall: 0.125

F1: 0.2222222222222222

Confusion Matrix:

[[36 0]

[ 7 1]]

----------+-- SVC --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

----------+-- K NEIGHBORS CLASSIFIER --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

Digite:

OR para dados originais,

NF para com novas features ou

TB para melhores features.

OR

----------+-- ADABOOST CLASSIFIER --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

----------+-- DECISION TREE --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

----------+-- GAUSSIAN NAIVE BAyES --+-----------

Accuracy: 0.8409090909090909

Precision: 0.6

Recall: 0.375

F1: 0.4615384615384615

Confusion Matrix:

[[34 2]

[ 5 3]]

----------+-- RANDOM FOREST --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

----------+-- SVC --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

----------+-- K NEIGHBORS CLASSIFIER --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

Digite:

OR para dados originais,

NF para com novas features ou

TB para melhores features.

TB

----------+-- ADABOOST CLASSIFIER --+-----------

Accuracy: 0.8409090909090909

Precision: 1.0

Recall: 0.125

F1: 0.2222222222222222

Confusion Matrix:

[[36 0]

[ 7 1]]

----------+-- DECISION TREE --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

----------+-- GAUSSIAN NAIVE BAyES --+-----------

Accuracy: 0.8409090909090909

Precision: 1.0

Recall: 0.125

F1: 0.2222222222222222

Confusion Matrix:

[[36 0]

[ 7 1]]

----------+-- RANDOM FOREST --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

----------+-- SVC --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

----------+-- K NEIGHBORS CLASSIFIER --+-----------

Accuracy: 0.8181818181818182

Precision: 0.0

Recall: 0.0

F1: nan

Confusion Matrix:

[[36 0]

[ 8 0]]

<https://nbviewer.jupyter.org/github/vsvasconcelos/ML/blob/master/DocumentoProjeto.html>

[https://www.rparthiban.com/articles/udacity/ud120\_iml/17-enron-poi-classifier-final-project/#](https://www.rparthiban.com/articles/udacity/ud120_iml/17-enron-poi-classifier-final-project/)