standardscaler

-The Accuracy of the the cllasifier: 0.8918881118881119

-The recall Score: 0.870126304228446

-The precision score: 0.9135197463245892

-The F1\_score: 0.8912951764871326

-The confusion matrix:

[[3208 300]

[ 473 3169]]

Min max scaler

-The Accuracy of the the cllasifier: 0.8911888111888112

-The recall Score: 0.8684788577704557

-The precision score: 0.913633737723859

-The F1\_score: 0.8904842342342341

-The confusion matrix:

[[3209 299]

[ 479 3163]]

Increase in features

-The Accuracy of the the cllasifier: 0.8927272727272727

-The recall Score: 0.871224601867106

-The precision score: 0.9141457793143186

-The F1\_score: 0.8921692675383102

-The confusion matrix:

[[3210 298]

[ 469 3173]]

Ratio of features

-The Accuracy of the the cllasifier: 0.8932867132867133

-The recall Score: 0.8706754530477759

-The precision score: 0.9156800462027144

-The F1\_score: 0.8926108374384237

-The confusion matrix:

[[3216 292]

[ 471 3171]]