

```
In [94]: predictions = logmodel.predict(X_test) # input new data
to predict the result
```

```
....: print(classification_report(y_test,predictions)) #
compare the predicted and y_test
```

```
....: print("accuracy_score")
....: print( accuracy_score(predictions, y_test) )
           precision    recall  f1-score   support

          0          0.89      0.23      0.37         964
          1          0.19      0.86      0.31         204

 micro avg          0.34      0.34      0.34        1168
 macro avg          0.54      0.55      0.34        1168
weighted avg          0.76      0.34      0.36        1168
```

```
accuracy_score
0.3416095890410959
```

```
In [95]: svm_prediction=svc.predict(X_test)
```

```
....: print(classification_report(y_test,svm_prediction))
```

```
....: print("accuracy_score")
```

```
....: print( accuracy_score(svm_prediction, y_test) )
           precision    recall  f1-score   support

          0          0.96      0.66      0.78         964
          1          0.35      0.88      0.50         204
```

```
 micro avg          0.69      0.69      0.69        1168
 macro avg          0.66      0.77      0.64        1168
weighted avg          0.86      0.69      0.73        1168
```

```
accuracy_score
0.6943493150684932
```

```
In [96]: svm_prediction_rbf=svc_rbf.predict(X_test)
```

```
....: print(classification_report(y_test,svm_prediction_rbf))
```

```
....: print("accuracy_score")
```

```
....: print( accuracy_score(svm_prediction_rbf, y_test) )
           precision    recall  f1-score   support

          0          0.83      1.00      0.90         964
          1          0.00      0.00      0.00         204
```

```
 micro avg          0.83      0.83      0.83        1168
 macro avg          0.41      0.50      0.45        1168
```

weighted avg	0.68	0.83	0.75	1168
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accuracy_score
0.8253424657534246

In [97]: