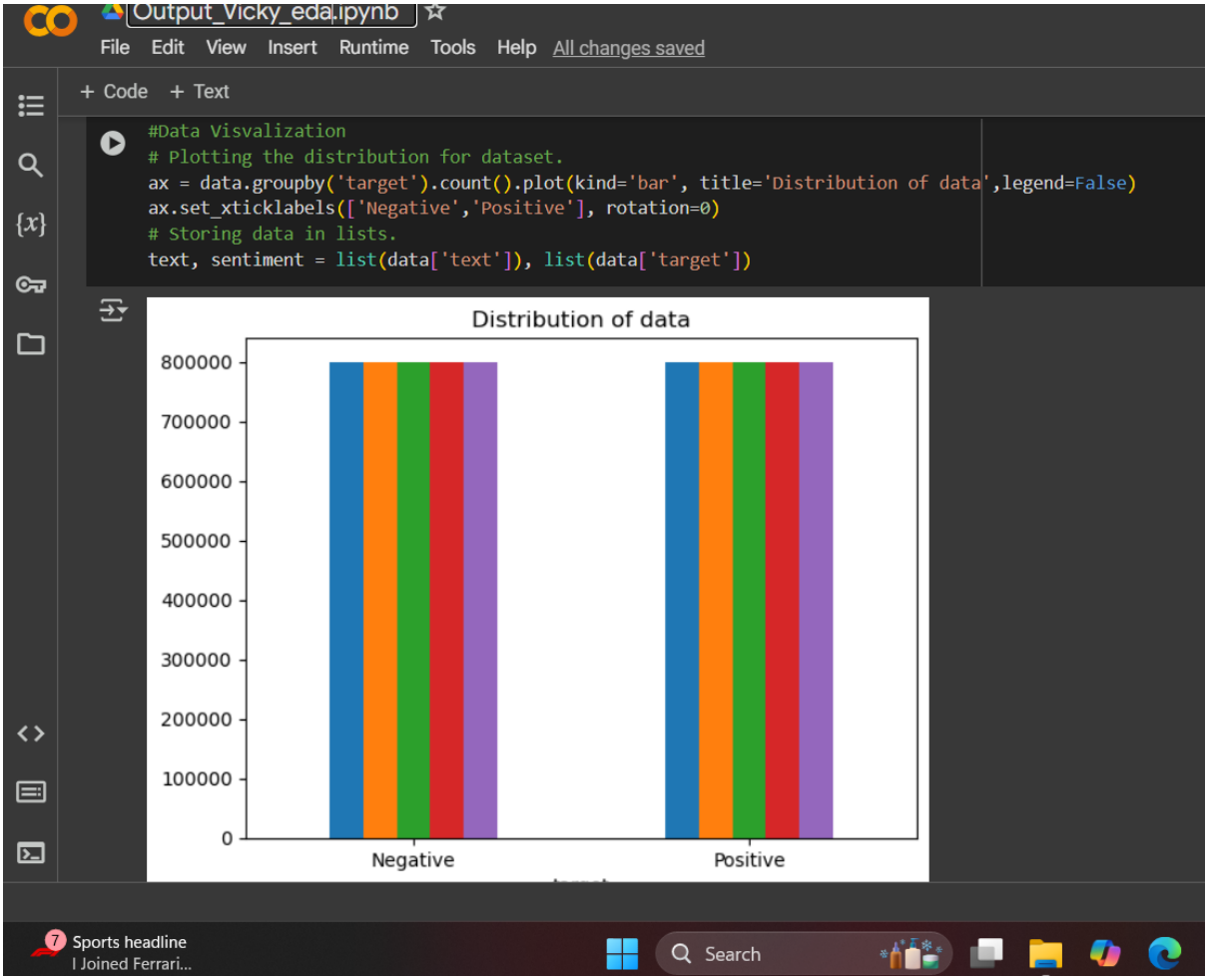
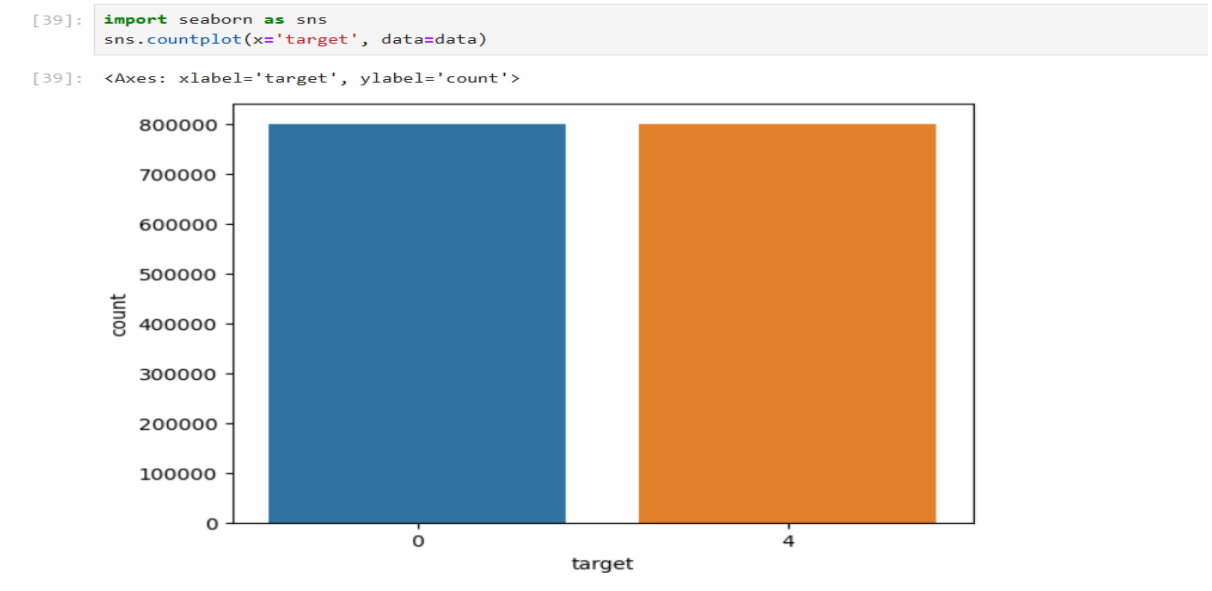
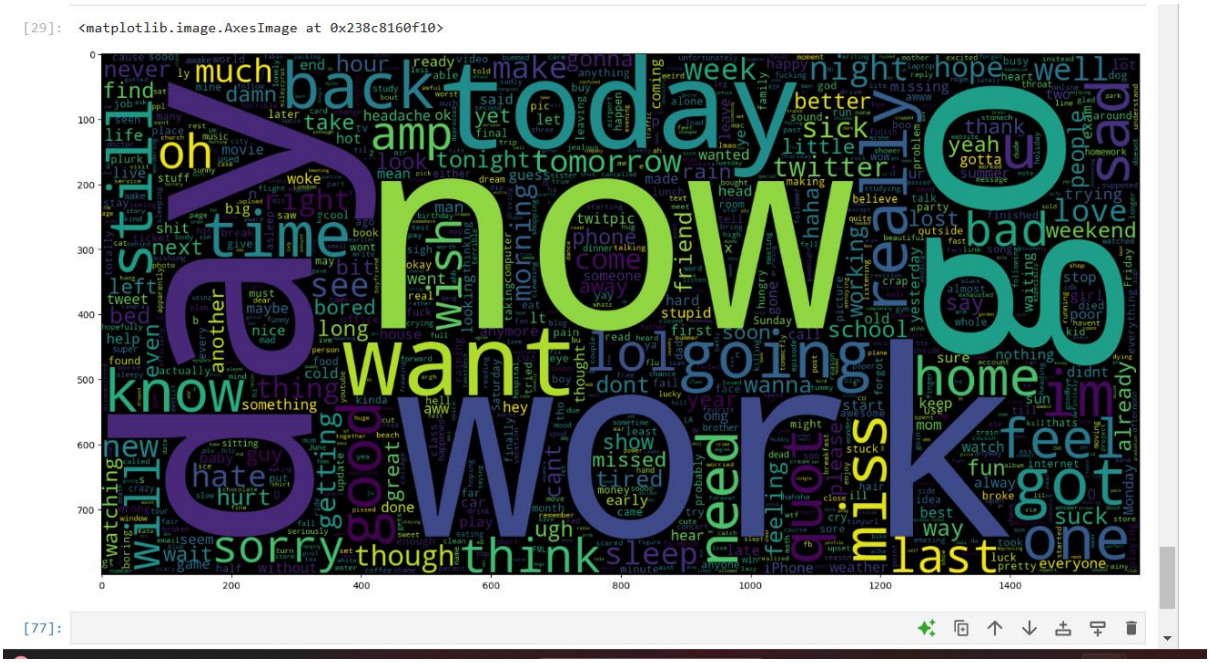
DATA VISUALIZATION REPORT

1. **Data Visualization of Target Varaiable:**

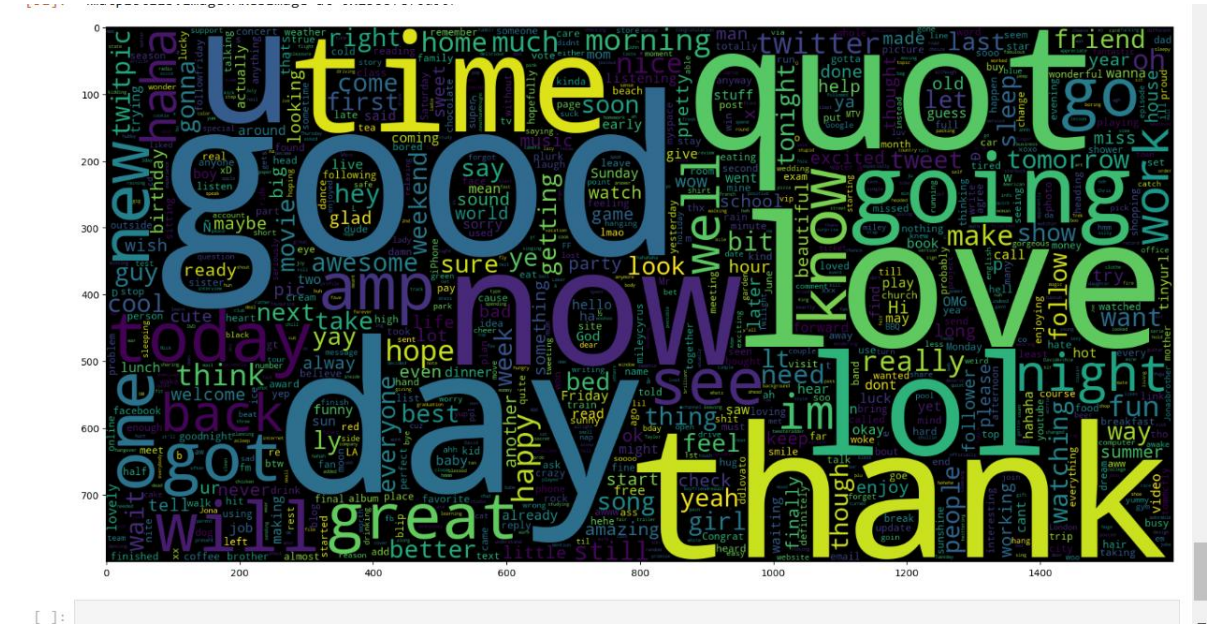




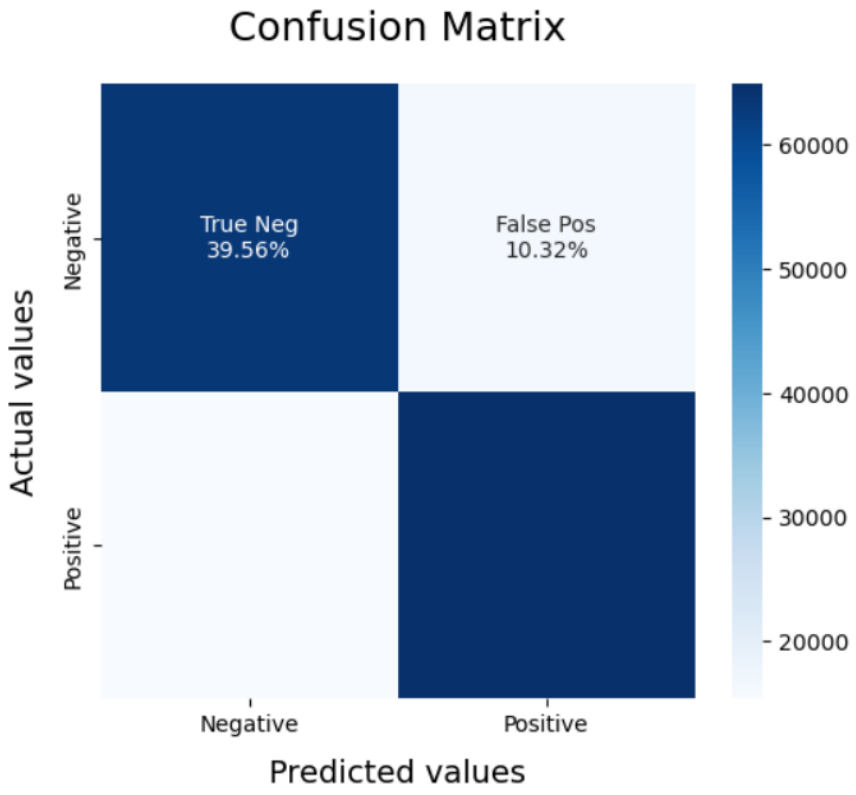
2. Cloud of words for Negative Tweets

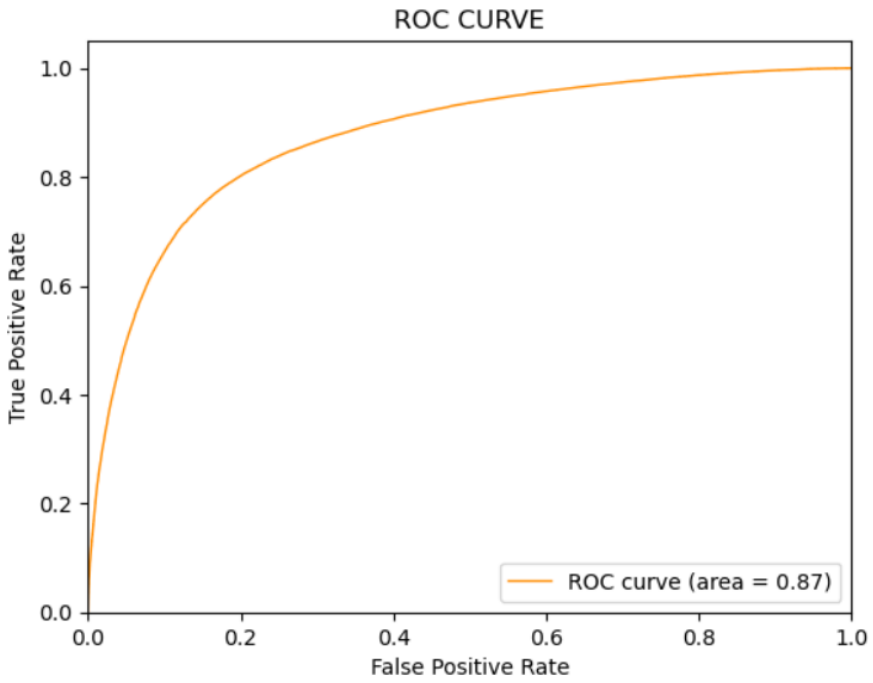


3.Cloud of Words for Positive Tweets

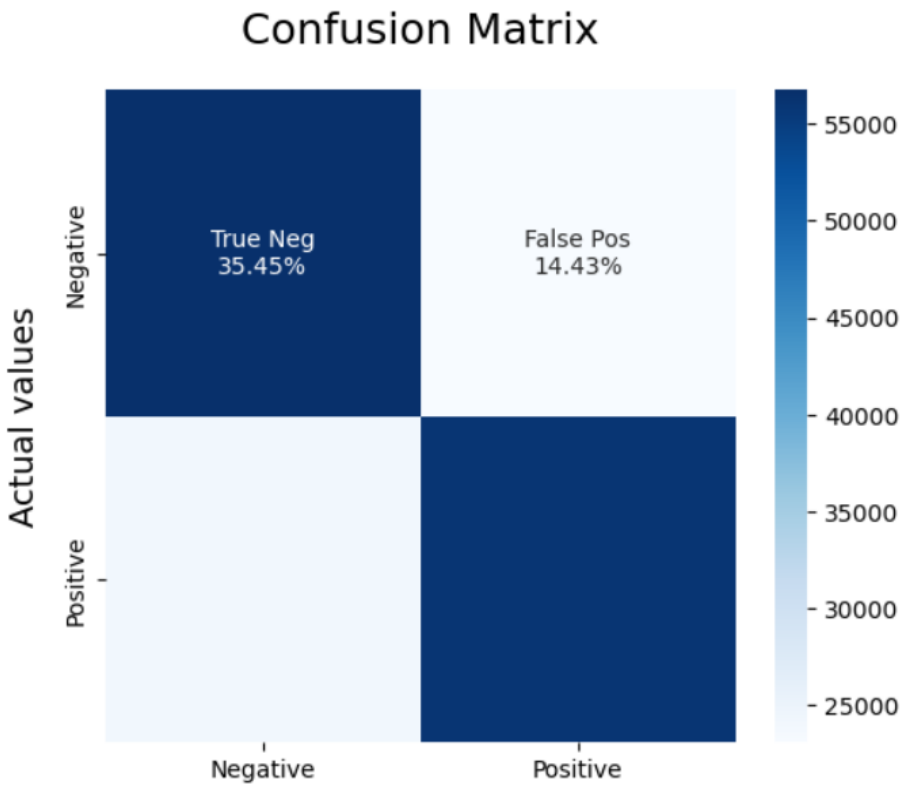


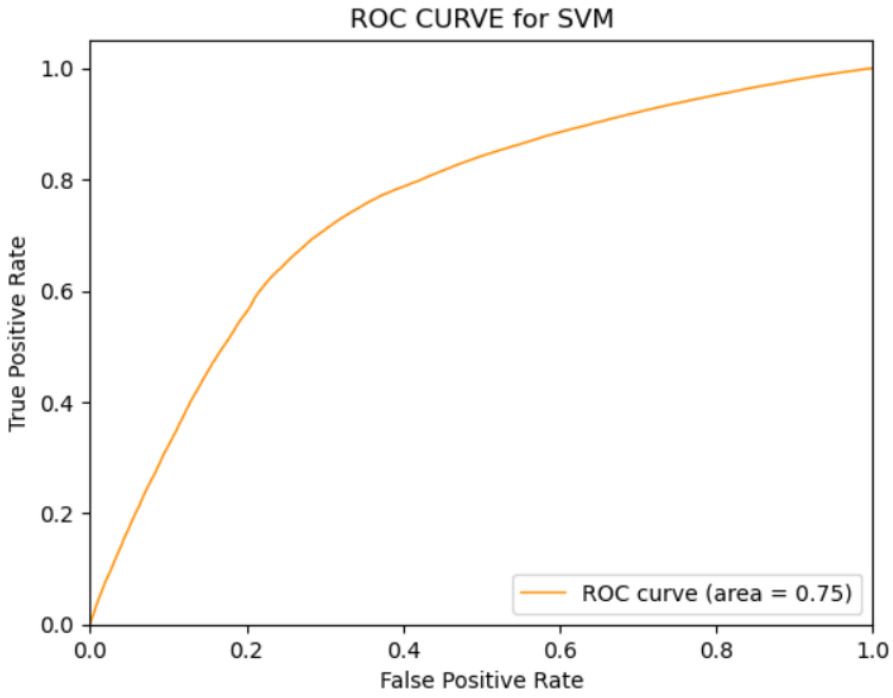
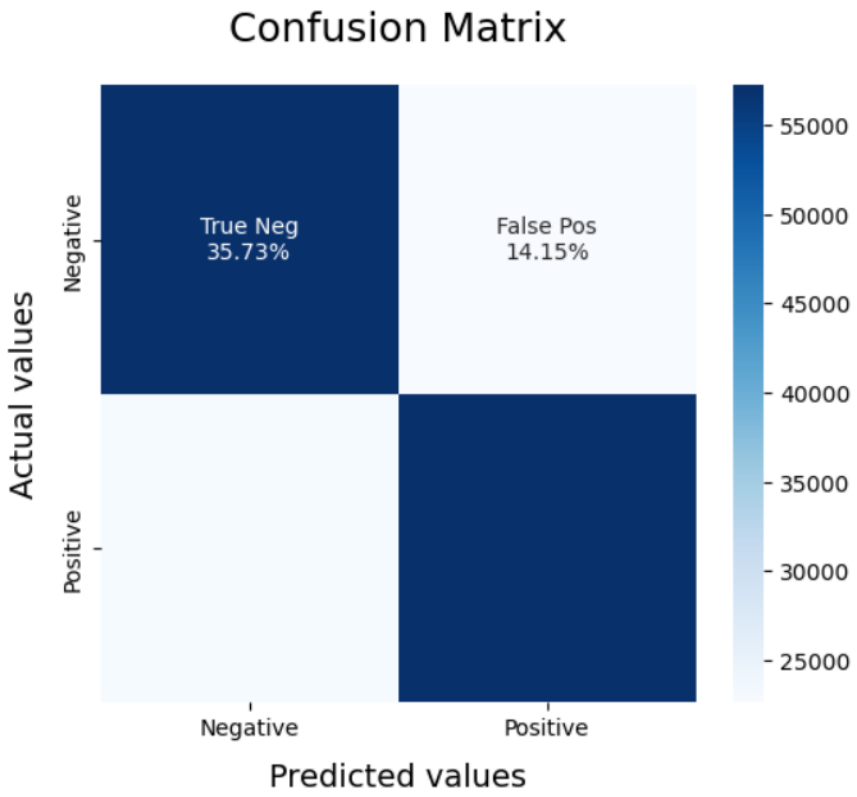
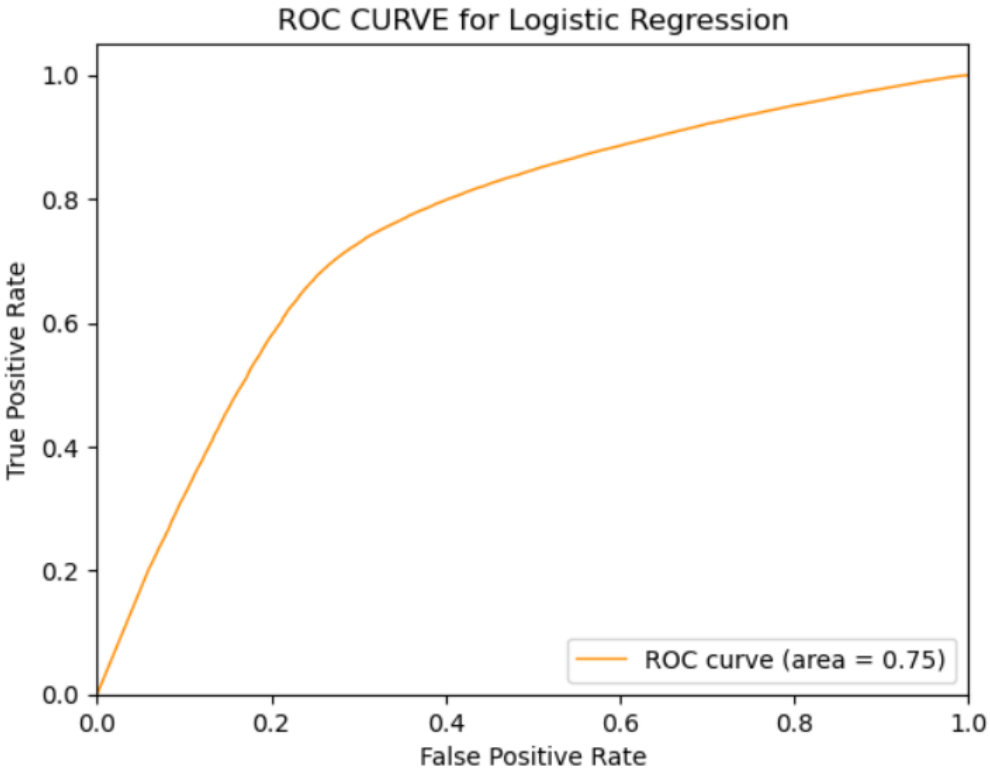
4. Confusion Matrix and ROC CURVE for Naiye Bayes Classifier:





5.Confusion Matrix and ROC Curve for SVM Classifier:


Confusion Matrix
True Neg
35.45%
False Pos
14.43%
Negative
Positive
Actual values
Negative
Positive
Predicted values
55000
50000
45000
40000
35000
30000
25000


ROC CURVE for SVM
True Positive Rate
False Positive Rate
ROC curve (area = 0.75)
0.0
0.2
0.4
0.6
0.8
1.0

6.Confusion Matrix and ROC Curve for Logistic Regression: