**NAÏVE BAYES**

Accuracy with stop words = 84.93723849372385

Accuracy without stop words = 83.89121338912135

The accuracy is higher when stop words are included.

**LOGISTIC REGRESSION**

Lambda= 0.001

Learning rate = 0.01

Number of Iterations = 200

Accuracy before stop words removal : 91.422

Accuracy after stop words removal : 93.514

Lambda= 0.001

Learning rate = 0.01

Number of Iterations = 100

Accuracy before stop words removal : 91.422

Accuracy after stop words removal : 93.414

Lambda= 0.01

Learning rate = 0.01

Number of Iterations = 200

Accuracy before stop words removal : 91.122

Accuracy after stop words removal : 93.216

Lambda= 0.2

Learning rate = 0.01

Number of Iterations = 100

Accuracy before stop words removal : 93.622

Accuracy after stop words removal : 94.024

Lambda= 0.2

Learning rate = 0.01

Number of Iterations = 50

Accuracy before stop words removal : 93.6

Accuracy after stop words removal : 93.9

In Logistic regression, inclusion of stop words resulted in lower accuracy. However, changes in lambda values increased accuracy.