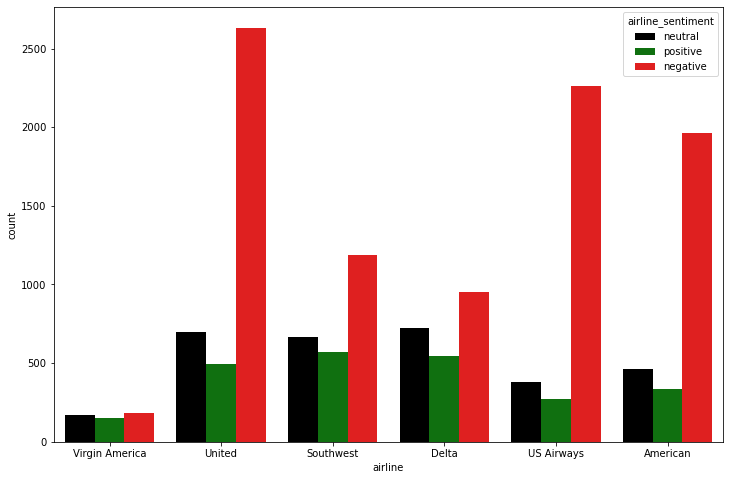
Sentimental Analysis – Proposed Code Result

**\*\* In base code models used are Naive bayes , random forest , Logestic regression which are not that accurate**

**So in Proposed Code I have used SVM and GridsearchCV for Getting Better Result \*\***

Understanding Dataset – This Dataset consist of tweets and their sentiment result (Positive , Negative , Neutral )



(i) Python liberary Used :

numpy

pandas

multiprocessing

nltk

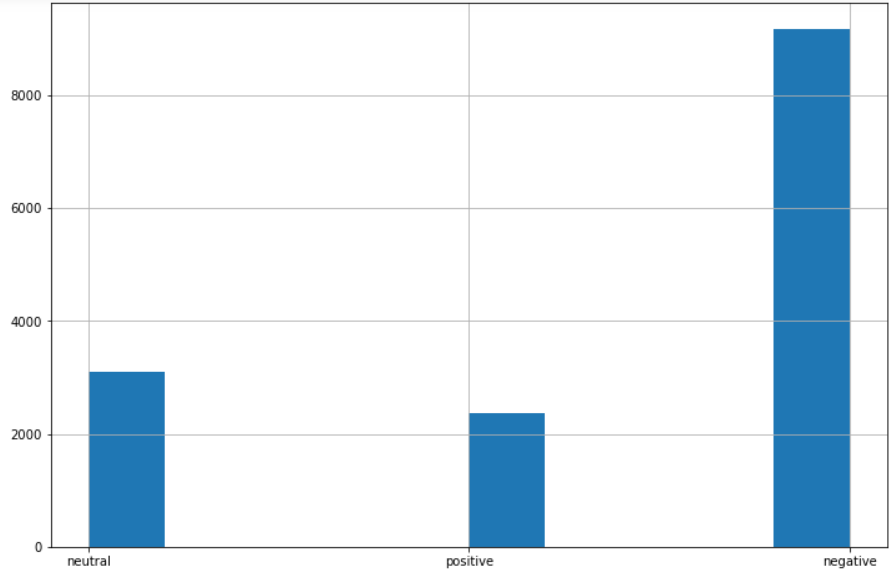
matplotlib

seaborn

sklearn

(ii) Dataset link :

<https://www.kaggle.com/datasets/crowdflower/twitter-airline-sentiment/download>



(iii) Preprocessing Technique Used :

Tokenising

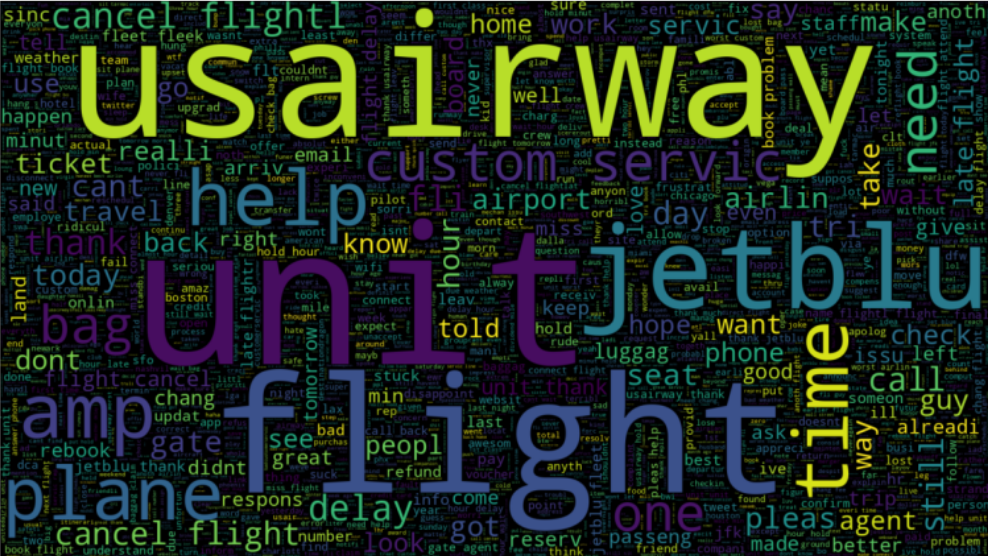
Removing Stopword

Removing Punctuation

Removing word based on length

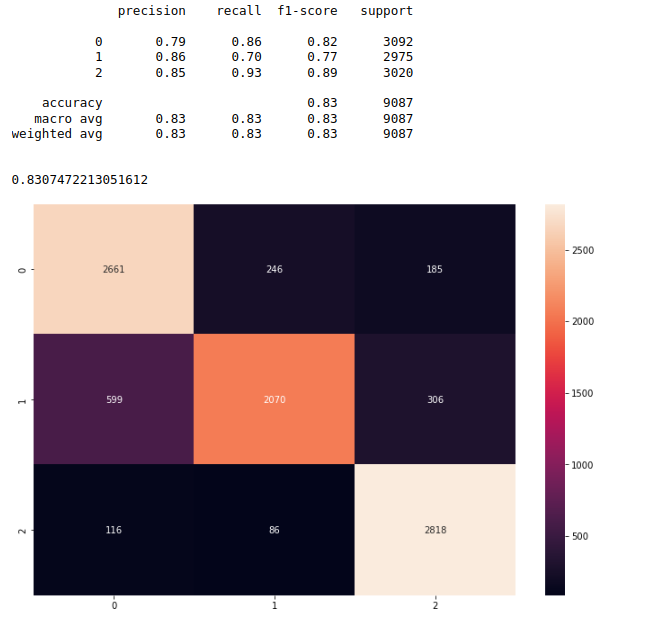
Stemming

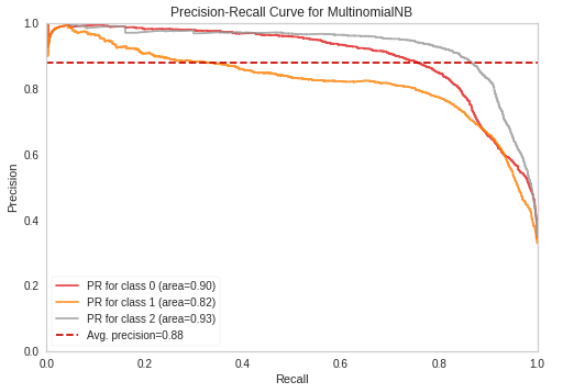
Vectorisation



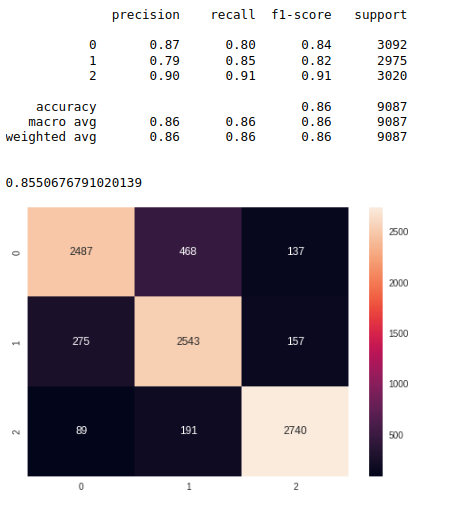
(iv) Models used :

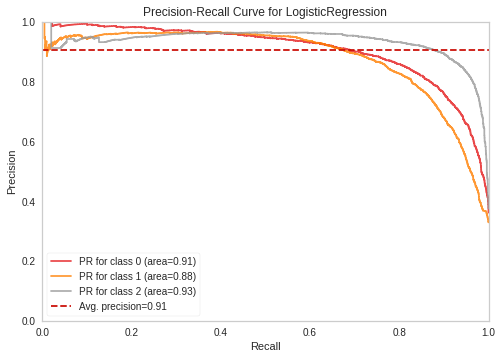
(a) Naive bayes



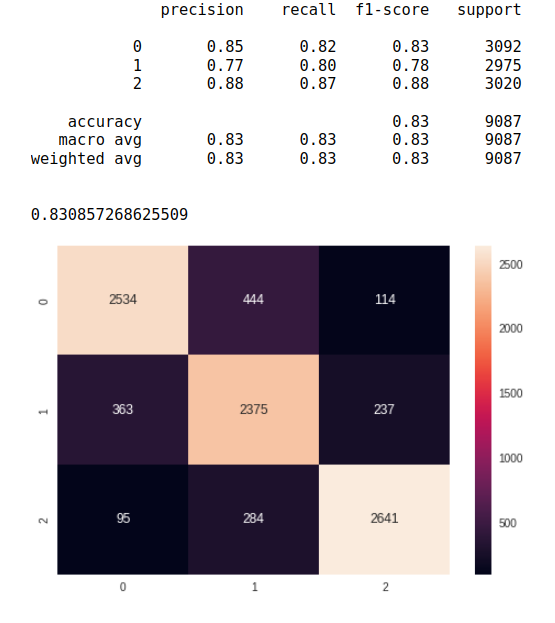


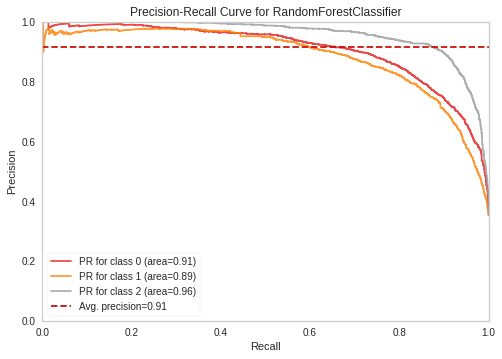
(b)Logestic regression



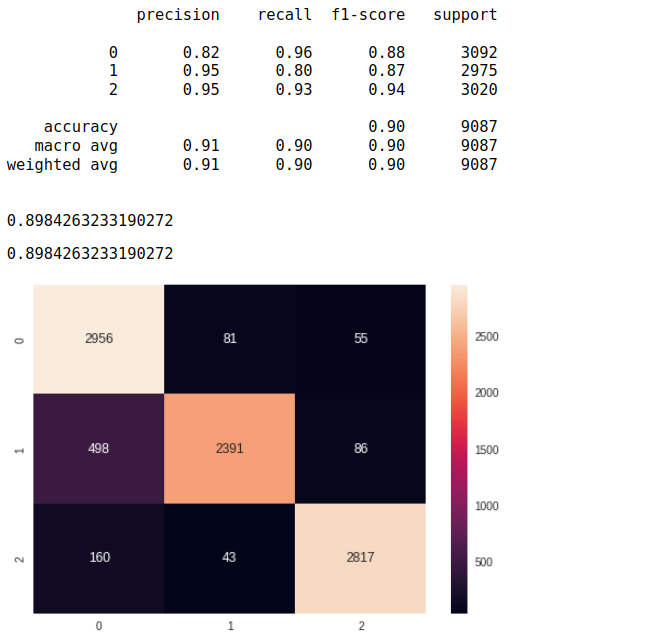


(c) Random Forest

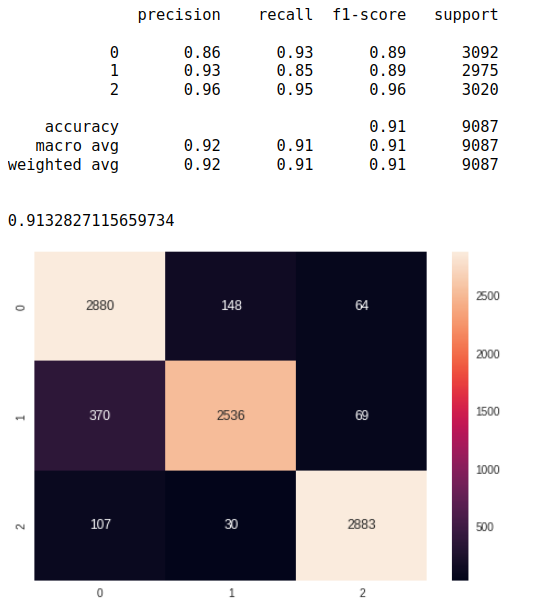


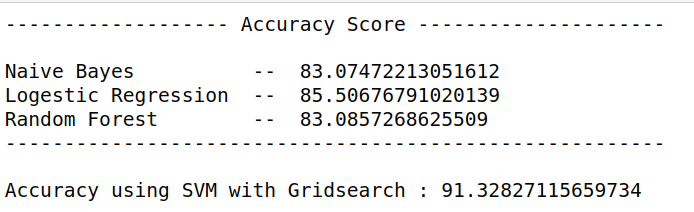


(d)SVM



(d) SVM with gridsearchCV



(v) Accuracy result