

Dataset:

<https://drive.google.com/file/d/1mijMGQQu5Cb26QqtRlxb2wYDzAv1f6CU/view?usp=sharing>

The above-mentioned dataset has more than 3.2 Lakh IMDB ratings and reviews. The code implements four different algorithms, namely

- Naïve Bayes Classifier
- Stochastic Gradient Descent – SGD Classifier
- Random Forest Classifier
- Logistic Regression

The goal is to compare the test accuracies achieved by each of the above-mentioned algorithms for our given dataset. Below are the results achieved:

	Model	Test accuracy
3	Stochastic Gradient Decent	0.739205
0	Logistic Regression	0.739034
2	Naive Bayes	0.691863
1	Random Forest	0.682993

The dataset consists of 3.2 Lakh comments, with the following data distribution:

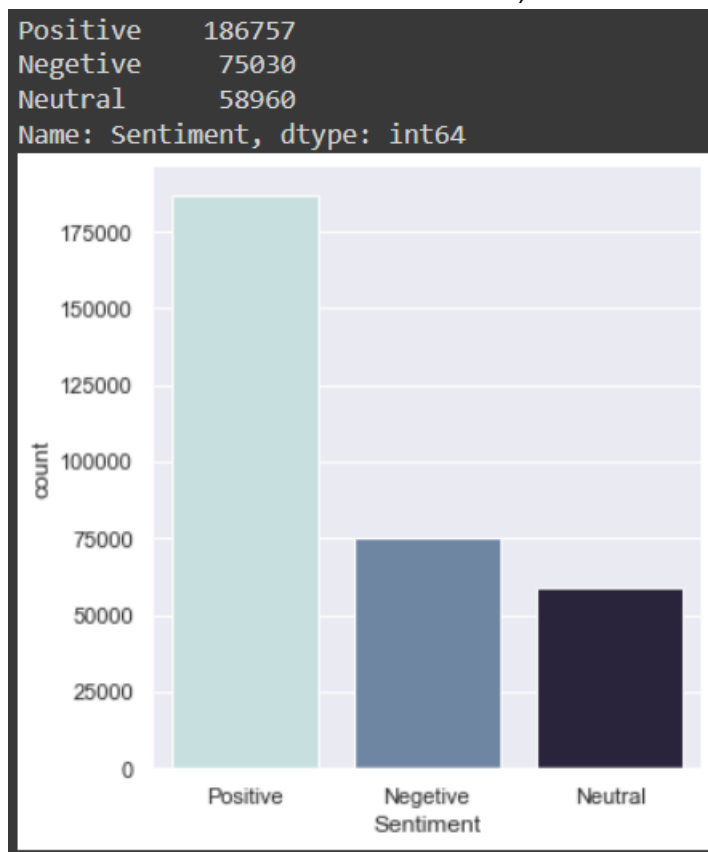






Figure 2: Positive Words Preview