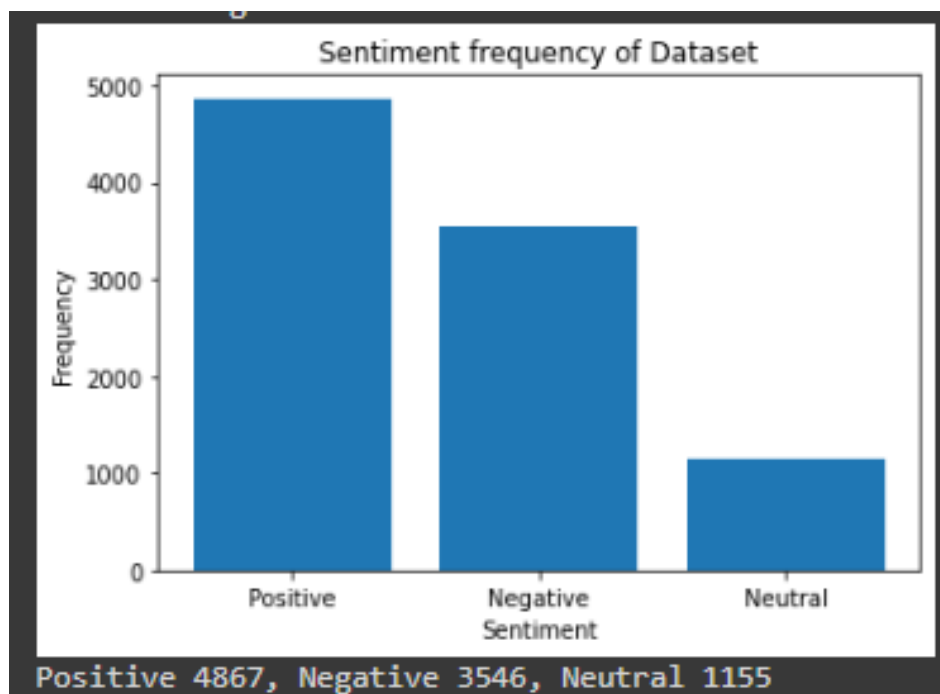


TOPIC :

SENTIMENTAL ANALYSIS

(on Urdu data)

Frequency of Data Set:



Accuracy of our Model:

Accuracy: 0.5394461859979102 => 53.9%

For Positive, Negative & Neutral:

Precision: [0.52411106, 0.69920545, 0.41722595]

Recall: [0.76203966, 0.31460674, 0.81441048]

F-measure: [0.62106782, 0.43395562, 0.55177515]

Accuracy of Sentimental Analysis through Roberta:

Dataset	Accuracy	F1-Score
Urdu D1	80%	
Urdu D2	84%	
Urdu Merged	73%	
Roman Urdu Clean 1	73%	
Roman Urdu Clean 2	72%	
Roman Urdu Mixed	75%	
Roman Urdu Clean 1 and Urdu Combined	72%	
Roman Urdu Clean 2 and Urdu Combined	71%	
Roman Urdu Clean 3 and Urdu Combined	71%	

TABLE I: Model results and evaluation