

NLP MODEL WITH ML					
SL NO.	ML Model	NLP Model	Model Accuracy	Bais Score	Variance Score
1	SVC	CountVectorizer	73.00%	95.00%	73.00%
	SVC	TfidfVectorizer	75.00%	99.00%	75.00%
2	KNN	CountVectorizer	63.00%	79.00%	63.00%
	KNN	TfidfVectorizer	68.00%	83.00%	68.00%
3	D.Tree	CountVectorizer	67.00%	99.00%	67.00%
	D.Tree	TfidfVectorizer	65.00%	99.00%	65.00%
4	Logistic	CountVectorizer	71.00%	95.00%	71.00%
	Logistic	TfidfVectorizer	75.00%	94.00%	75.00%
5	Bournoli NB	CountVectorizer	77.00%	94.00%	77.00%
	Bournoli NB	TfidfVectorizer	77.00%	94.00%	77.00%
6	Gaussian NB	CountVectorizer	73.00%	92.00%	73.00%
	Gaussian NB	TfidfVectorizer	73.00%	93.00%	72.00%
7	R. Forest	CountVectorizer	68.00%	99.00%	68.00%
	R. Forest	TfidfVectorizer	73.00%	99.00%	73.00%
8	XGBoost	CountVectorizer	72.00%	86.00%	72.00%
	XGBoost	TfidfVectorizer	68.00%	91.00%	68.00%
9	LGBM	CountVectorizer	66.00%	72.00%	66.00%
	LGBM	TfidfVectorizer	64.00%	76.00%	64.00%
FINAL MODEL TO REACH more than 80%					
10	Logistic	TfidfVectorizer (not removing stopwords,with test size=0.15)	81.00%	95.00%	81.00%
	Logistic	CountVectorizer (not removing stopwords,with test size=0.15)	82.00%	98.00%	82.00%