

Model			Algorithm	K	TPR	TNR
Precision	Recall	F1-Score	FPR	FNR	PPV	NPV
Overall Accuracy (ACC)						
Bag of Words			kd_tree	17	99.07%	7.29%
0.82	0.82	0.76	92.71%	0.93%	82.33%	64.15%
81.94%						
TF - IDF			Kd_tree	13	99.09%	10.93%
0.83	0.83	0.77	89.07%	0.91%	82.90%	73.38%
82.64%						
Average W2V			Kd_tree	11	98.25%	18.11%
0.83	0.83	0.79	81.89%	1.75%	83.95%	70.42%
83.30%						
TF - IDF Weighted W2V			Kd_tree	23	99.34%	10.93%
0.83	0.83	0.77	89.07%	0.66%	82.94%	79.07%
82.84%						
Bag of Words			Brute	15	99.93%	1.87%
0.82	0.82	0.74	98.13%	0.07%	81.68%	85.29%
81.70%						
TF - IDF			Brute	11	99.04%	12.27%
0.83	0.83	0.78	87.73%	0.96%	83.18%	74.51%
82.91%						
Average W2V			Brute	17	98.36%	20.85%
0.84	0.84	0.80	79.15%	1.64%	84.48%	74.42%
83.96%						
TF-IDF Weighted W2V			Brute	17	98.88%	2.07%
0.81	0.81	0.73	97.93%	1.12%	81.56%	29.63%
80.88%						