

Table 1: Summary of classifier performance

Model	DFM	Accuracy	Precision	Recall	F1 score	Time (min)
GBERT (Transformers)		0.775	0.771	0.763	0.766	8.589
SuperLearner ensemble	tfidf	0.712	NA	NA	NA	18
Ridge (L2)	tfidf	0.681	0.684	0.655	0.661	0.149
Naive bayes	tfidf	0.67	0.661	0.64	0.639	0.004
Semi-supervised	tfidf	0.668	0.704	0.623	0.644	0.711
SVM	tfidf	0.663	0.656	0.641	0.642	0.147
Elastic net	uniform	0.634	0.65	0.59	0.596	21.772
Lasso (L1)	tfidf	0.626	0.624	0.6	0.604	0.212
Random forest	uniform	0.621	0.662	0.56	0.608	23.682