All Models-Dataset-Techniques

Classification Techniques = LR, LDA, SVM, NN, FeatureCount

Feature Extraction = CountVectorizer, TfidfVectorizer, CNN, Uni+Bigram, Bigram, Bowadj, doc2vec

Feature reduction = SelectKBest

Datasets = WFF, AT, TE

Model Application details

Dataset	Feature Extraction	Model	Best Accuracies (4 dec place)	Precision
WFF-1K	bowadj	LR,LDA,SVM,NN	0.9979, 0.7724, 0.99734,0.7466	
WFF-1K	doc2vec	LR,LDA,SVM,NN	0	
WFF-1K	CNN on bowadj	LR,LDA,SVM,NN	0.9909,0.9869,0.9912,0.7391	
WFF-1K	Feat red on bowadj	LR,LDA,SVM,NN	0.9976,0.8556,0.9982,0.7898	
WFF-1K	Bigram	LR,LDA,SVM,NN	0.5472, 0.6380,	
WFF-1K	Unigram + Bigram	LR,LDA,SVM,NN	0.7140, 0.8579,	
WFF-2K	bowadj	LR,LDA,SVM,NN	0.7746, 0.6062, 0.7699, 0.7465	
WFF-2K	doc2vec	LR,LDA,SVM,NN		
WFF-2K	CNN on bowadj	LR,LDA,SVM,NN	0.7667, 0.6515, 0.7469, 0.7939	
WFF-2K	Feat red on bowadj	LR,LDA,SVM,NN	0.7924, 0.8123, 0.8024, 0.7898	

WFF-2K	Bigram	LR,LDA,SVM,NN	0.5109, , 0.6803,	
WFF-2K	Unigram + Bigram	LR,LDA,SVM,NN	0.7847, , 0.8766,	
WFF-5K	bowadj	LR,LDA,SVM,NN	0.8958,0.9794,0.8817, 0.8711	
WFF-5K	doc2vec	LR,LDA,SVM,NN		
WFF-5K	CNN on bowadj	LR,LDA,SVM,NN		
WFF-5K	Feat red on bowadj	LR,LDA,SVM,NN		
WFF-5K	Bigram	LR,LDA,SVM,NN		
WFF-5K	Unigram + Bigram	LR,LDA,SVM,NN	0.8652, , 0.8979,	
WFF-10K	bowadj	LR,LDA,SVM,NN		
WFF-10K	doc2vec	LR,LDA,SVM,NN	0.61,0.78, 0.65, 0.8019	
WFF-10K	CNN on bowadj	LR,LDA,SVM,NN		
WFF-10K	Feat red on bowadj	LR,LDA,SVM,NN		
WFF-10K	Bigram	LR,LDA,SVM,NN		
WFF-10K	Unigram + Bigram	LR,LDA,SVM,NN		

AT	bowadj	LR,LDA,SVM,NN		
AT	CNN on bowadj	LR,LDA,SVM,NN		
AT	CountVect	FeatureCount	0.5374	
AT	Tf-Idf Vect	FeatureCount	0.5374	
TE	bowadj	LR,LDA,SVM,NN		
TE	CNN on bowadj	LR,LDA,SVM,NN		
TE	CountVect	FeatureCount	0.6455	
TE	Tf-Idf Vect	FeatureCount	0.6455	