1.1				
Feature Set	**# of features**	**Model**	**Accuracy**	**Dataset**
Word_features	ALL	NB	0.864	Dev
Word_pos_features	ALL	NB	0.758	Dev
Word_pos_LIWC	ALL	NB	0.775	Dev
Word_features	ALL	NB	0.831	Test
Word_pos_features	ALL	NB	0.786	Test
Word_pos_LIWC	ALL	NB	0.779	Test
1.2				
Feature Set	**# of features**	**Model**	**Accuracy**	**Dataset**
Word_features	16384	NB	0.850	Dev
Word_pos_features	256	NB	0.731	Dev
Word_pos_features	16384	NB	0.739	Dev
Word_pos_LIWC	256	NB	0.761	Dev
Word_features_binning	16384	NB	0.842	Dev
Word_features	8192	NB	0.826	Test
Word_pos_features	256	NB	0.743	Test
Word_pos_features	16384	NB	0.779	Test
Word_pos_LIWC	16384	NB	0.784	Test
Word_features_binning	8192	NB	0.826	Test

2.3			
Feature Set	**Model**	**Dataset**	**Accuracy**
Word_best_features	NB_NLTK	Dev	0.850
Word_best_features	NB_NLTK	Test	0.823
Word_best_features	NB_ Scikit_Learn	Dev	0.743
Word_best_features	NB_ Scikit_Learn	Test	0.736
Word_best_features	DT_ Scikit_Learn	Dev	0.764
Word_best_features	DT_ Scikit_Learn	Test	0.701
Word_best_features	SVM	Dev	0.529
Word_embedding	SVM	Dev	0.729
Word_best_features	SVM	Test	0.532
Word_embedding	SVM	Test	0.719