

Macro f-score analysis

General sentiment features (MPQA)

Feature Count	Mutual Information	Chi-squared
100	0.59303	0.57154
500	0.54834	0.65155
1000	0.55208	0.64063
2000	0.54880	0.64961
3000	0.54212	0.66472
5000	0.53115	0.65877
10000	0.64392	0.66429
12000	0.64031	0.65162
15000	0.63760	0.63893

CoreNLP Sentiment features

Feature Count	Mutual Information	Chi-squared
100	0.60311	0.60323
500	0.62327	0.64561
1000	0.63108	0.66942
2000	0.66101	0.65051
3000	0.65690	0.66053
5000	0.66525	0.67660
10000	0.66053	0.65723

Feature Count	Mutual Information	Chi-squared
12000	0.66185	0.66431
15000	0.67069	0.66263

Twitter Sentiment Features

Feature Count	Mutual Information	Chi-squared
100	0.61387	0.58628
500	0.62576	0.64608
1000	0.63073	0.66455
2000	0.63968	0.67255
3000	0.65115	0.67281
5000	0.64418	0.67874
10000	0.64069	0.65582
12000	0.63854	0.66880
15000	0.63505	0.63764

Bow alone

Feature Count	Mutual Information	Chi-squared
100	0.56596	0.57807
500	0.56778	0.56950
1000	0.64222	0.64496
2000	0.63910	0.64584
3000	0.64164	0.63732
5000	0.64843	0.65658
10000	0.62372	0.65714
12000	0.61729	0.62755
15000	0.61443	0.61324

