

# F-score for positive class analysis

## Bag of Words alone

Feature Count	Mutual Information	Chi-squared
100	0.61468	0.61682
500	0.60748	0.61343
1000	0.60845	0.60058
2000	0.60227	0.60519
3000	0.59913	0.59800
5000	0.60807	0.61891
10000	0.62420	0.62216
12000	0.62217	0.62850
15000	0.62624	0.62360

## MPQA + BOW

Feature Count	Mutual Information	Chi-squared
100	0.598742	0.611435
500	0.612291	0.608443
1000	0.616071	0.5892857
2000	0.615556	0.5991058
3000	0.614537	0.6240929
5000	0.610687	0.6195965
10000	0.635294	0.6218978

Feature Count	Mutual Information	Chi-squared
12000	0.639386	0.6440678
15000	0.645	0.6449184

## CoreNLP + BOW

Feature Count	Mutual Information	Chi-squared
100	0.538813	0.5799457
500	0.568012	0.5900151
1000	0.572727	0.6184012
2000	0.615611	0.5988024
3000	0.605697	0.6133333
5000	0.621701	0.6332842
10000	0.613333	0.6117647
12000	0.610526	0.6172106
15000	0.624071	0.6140089

## Twitter Sentiment Queues + BOW

Feature Count	Mutual Information	Chi-squared
100	0.571019	0.5799457
500	0.591865	0.5900151
1000	0.596343	0.6184012
2000	0.613480	0.5988024
3000	0.625344	0.6133333
5000	0.6	0.6332842
10000	0.613333	0.6117647
12000	0.625165	0.6244477
15000	0.6276041	0.6311688

