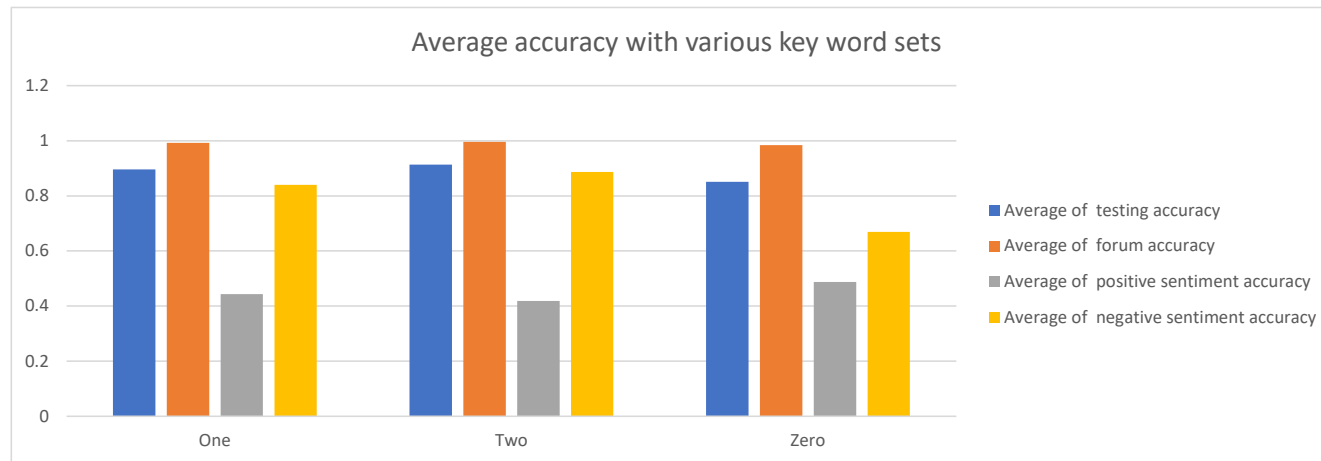


key words	Average of testing accuracy	Average of forum accuracy	Average of positive sentiment accuracy	Average of negative sentiment accuracy
One	0.896009912	0.992675281	0.44309375	0.839975
Two	0.913374717	0.995841863	0.4183125	0.88674375
Zero	0.851387414	0.984359007	0.48726875	0.66935

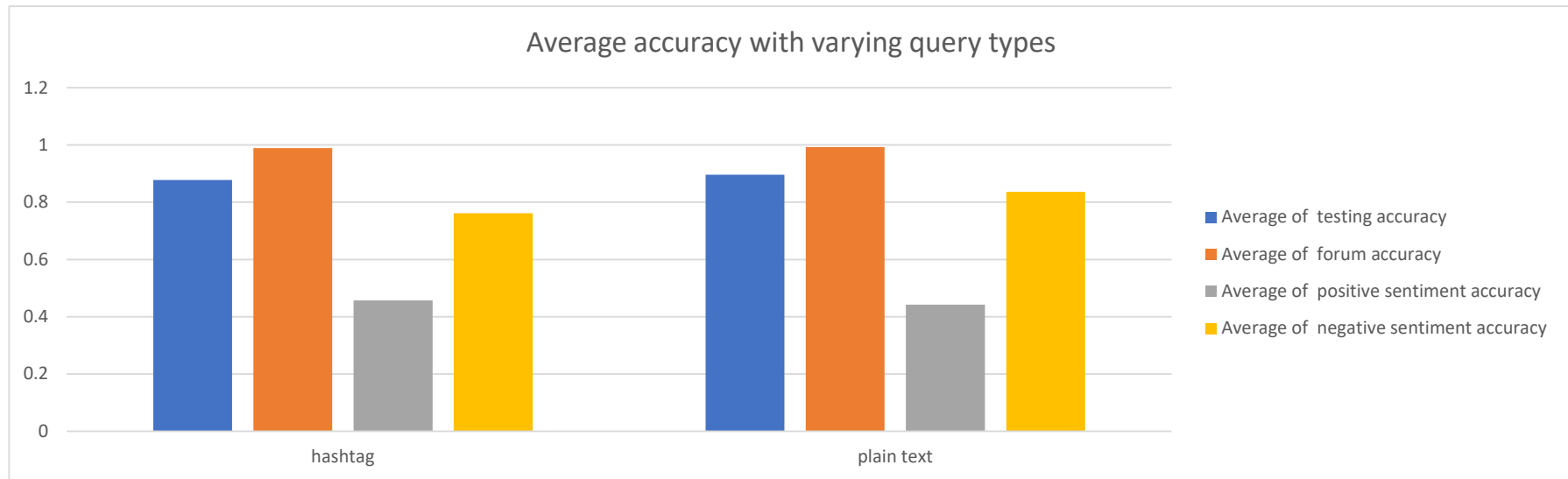


Key word set 2 appears to have the highest testing, forum and negative sentiment accuracy. The reduction in positive sentiment accuracy is disturbing but will most likely be negligible if a model with appropriate pruning methods is chosen

One  
Two  
Zero

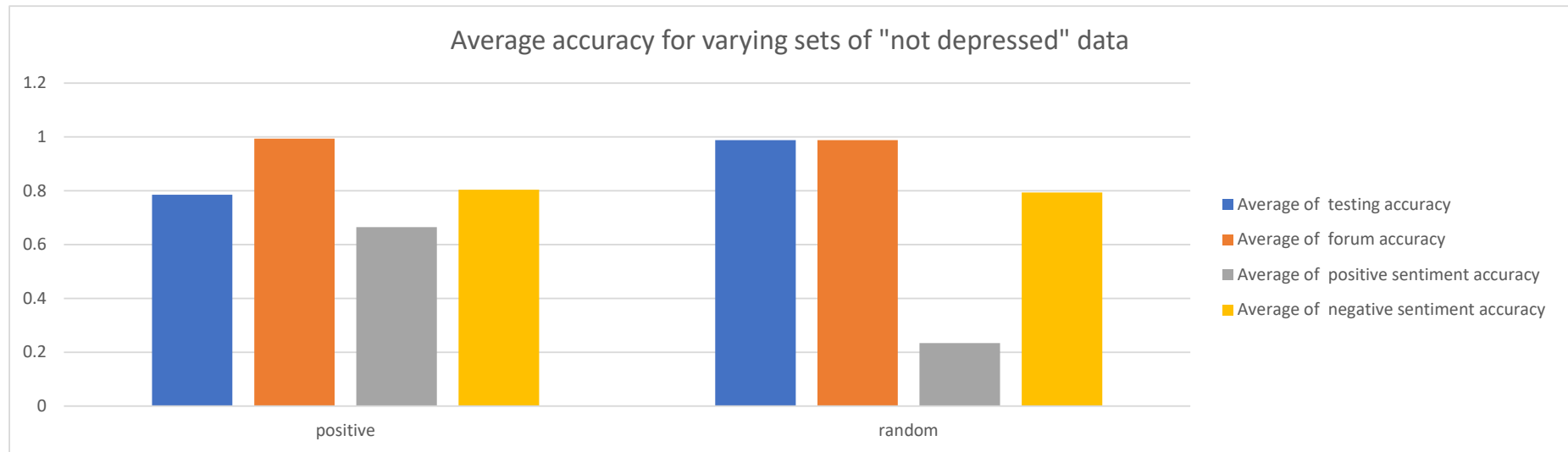
"sad", "unhappy", "stressed", "anxious", "miserable"  
"anxiety", "stress", "despondent", "suicidal", "depressed"  
"depression", "suicide", "mental illness", "severe anxiety", "depression medication"

query type	Average of testing accuracy	Average of forum accuracy	Average of positive sentiment accuracy	Average of negative sentiment accuracy
hashtag	0.877927483	0.989018253	0.457308333	0.761520833
plain text	0.895920545	0.992899181	0.441808333	0.835858333



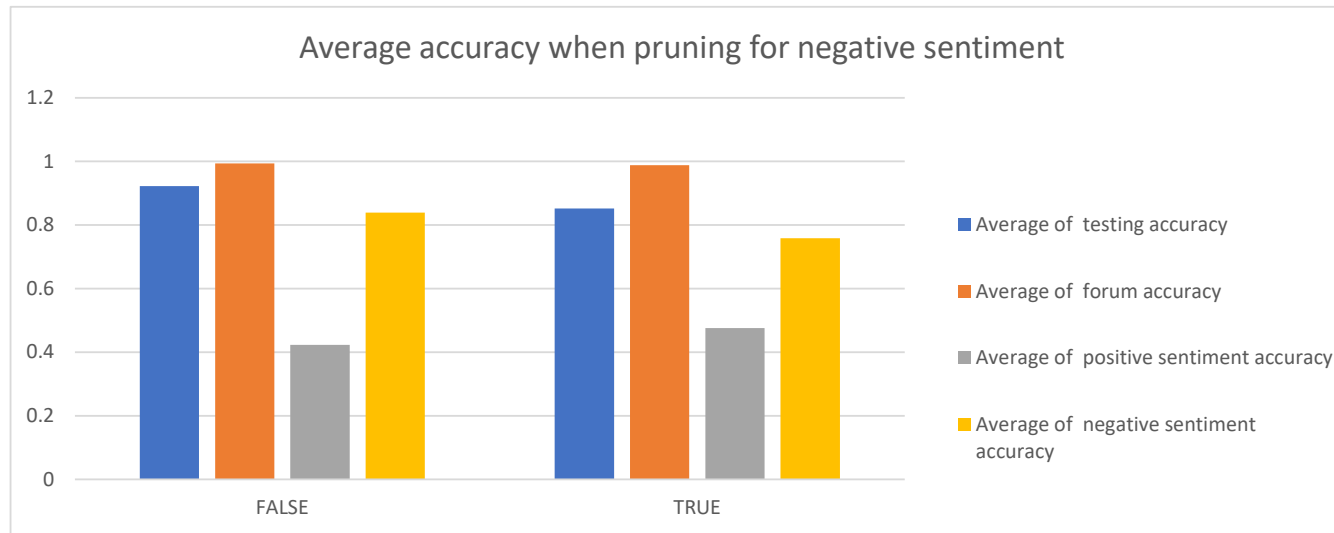
Plain text shows higher accuracy in almost every field except positive sentiment accuracy but even then only at a negligible discrepancy with hashtag queries

not depressed set type	Average of testing accuracy	Average of forum accuracy	Average of positive sentiment accuracy	Average of negative sentiment accuracy
positive	0.785276282	0.993645513	0.664620833	0.803925
random	0.988571746	0.988271921	0.234495833	0.793454167



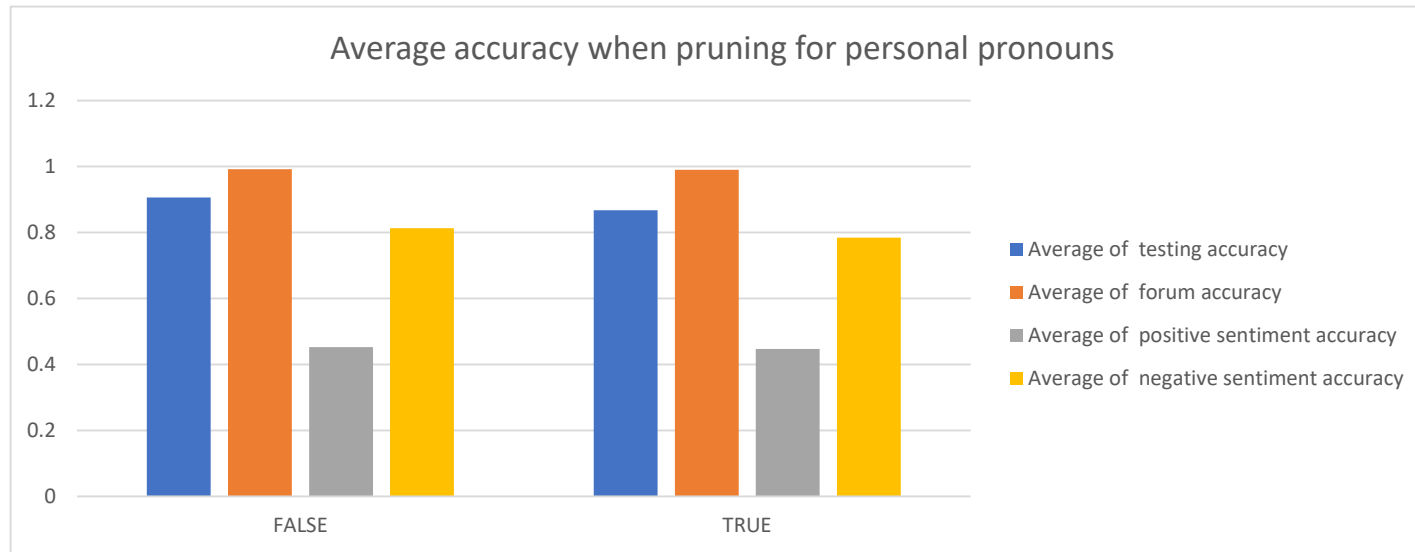
Positive shows higher average accuracy in all but testing accuracy to be expected given the harsh contrast of the resulting dataset, but a model with higher testing accuracy will most likely be chosen. It is to be noted that positive datasets score have less errors in identifying not depressed posts

negative sentiment filter	Average of testing accuracy	Average of forum accuracy	Average of positive sentiment accuracy	Average of negative sentiment accuracy
FALSE	0.922198831	0.993560218	0.423104167	0.839208333
TRUE	0.851649197	0.988357216	0.4760125	0.758170833



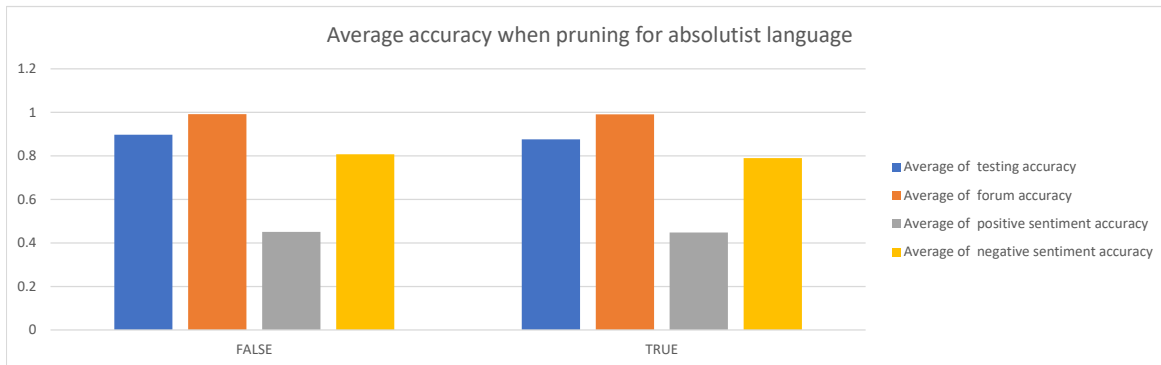
Negative sentiment filtering has lower testing, forum and negative sentiment accuracy. However, the impact of negative sentiment pruning on reducing errors in false-positives is not to be understated

personal pronouns	Average of testing accuracy	Average of forum accuracy	Average of positive sentiment accuracy	Average of negative sentiment accuracy
FALSE	0.906520376	0.992024906	0.452554167	0.8131
TRUE	0.867327652	0.989892528	0.4465625	0.784279167



As to be expected in all pruning methods that reduce dataset sizes, personal pronoun pruning does see lower accuracy in almost every field. It appears that the positive affect of personal pronouns on selecting accurate data is negligible.

absolutist language	Average of testing accuracy	Average of forum accuracy	Average of positive sentiment accuracy	Average of negative sentiment accuracy
FALSE	0.897645066	0.991491812	0.450908333	0.807533333
TRUE	0.876202962	0.990425623	0.448208333	0.789845833



Much like pruning for personal pronouns, pruning for absolutist language does reduce accuracy. However, like personal pronouns, the reduction is minimal and the likely increase in real world accuracy makes this form of pruning desirable in the dataset

