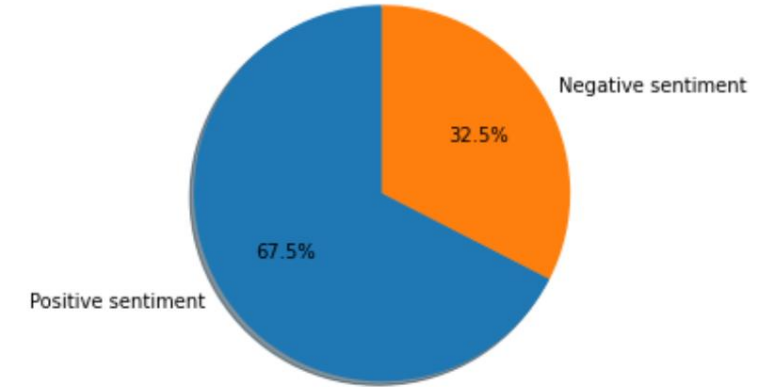


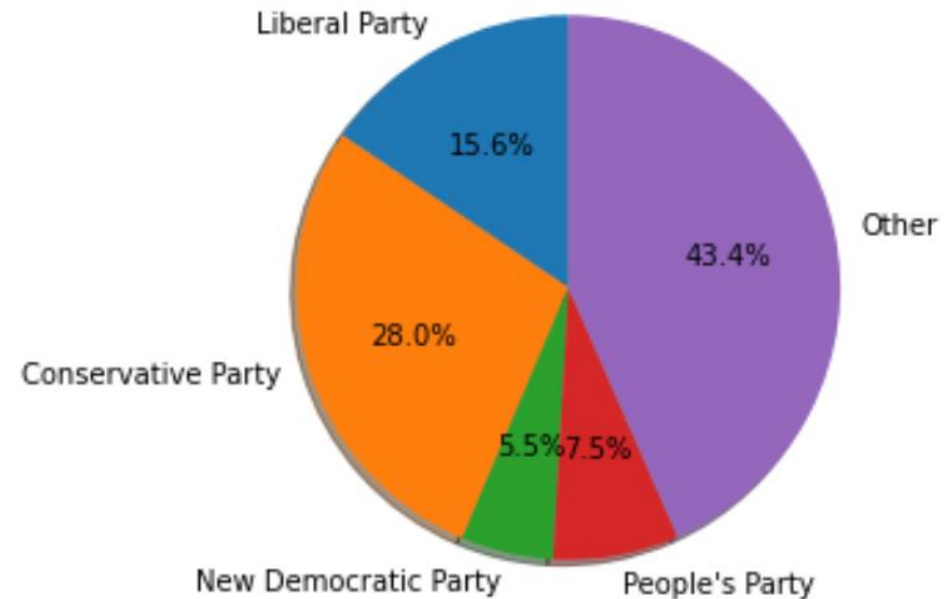
Exploratory analysis

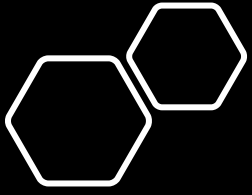
- There are about 67.5% positive and 32.5% negative tweets in all 550391 tweets in sentiment analysis data.
- In Canadian election data, in all 1002 tweets, 28% are Conservative related and 15.6% are about Liberal Party. Besides, New Democratic Party and People's Party take place of 5.5% and 7.5% correspondingly.

Percentage of positive and negative sentiment in sentiment_analysis.csv



Percentage of tweets for each Party





Model feature importance/results

- Two different types of features: bag of words & TF-IDF
- Classification algorithm: Highest accuracy: Logistic regression
- Test accuracy on generic tweets is about 93%
- Test accuracy on negative Canadian elections tweets is about 44%

