Understand positive sentiment among the people

Positive Sentiments wordcloud of Canadian Elections 2021

What are the negative perception?

Negative Sentiments wordcloud of Canadian Elections 2021

Analyze the causes of negativity

Count of COMBINED Negative Reasons with labels as percentage of total

Improve on the positives (analyze self and opposition)

Distribution of tweets with political parties and sentiments
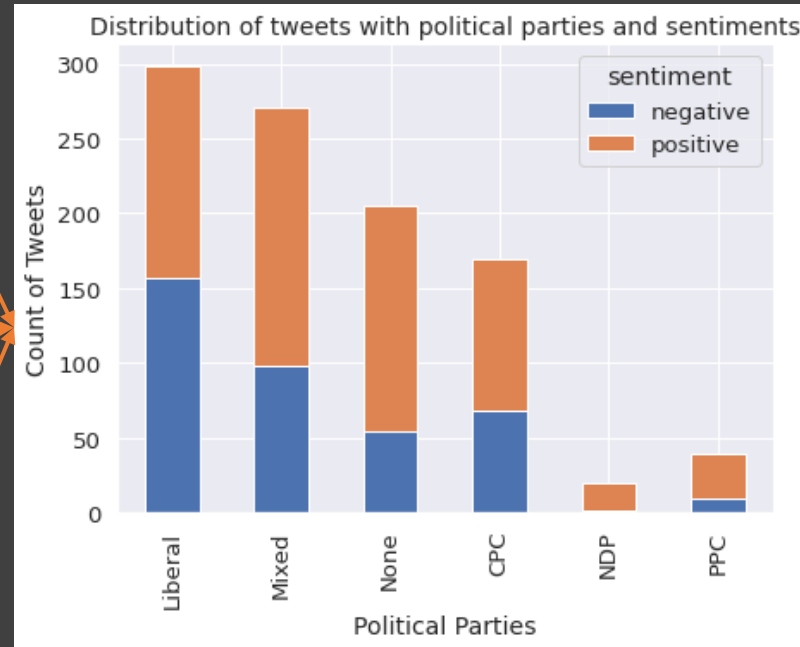
The **Liberal Party** won the elections

Work on the drawbacks critically

TFIDF Model Accuracies across classifiers
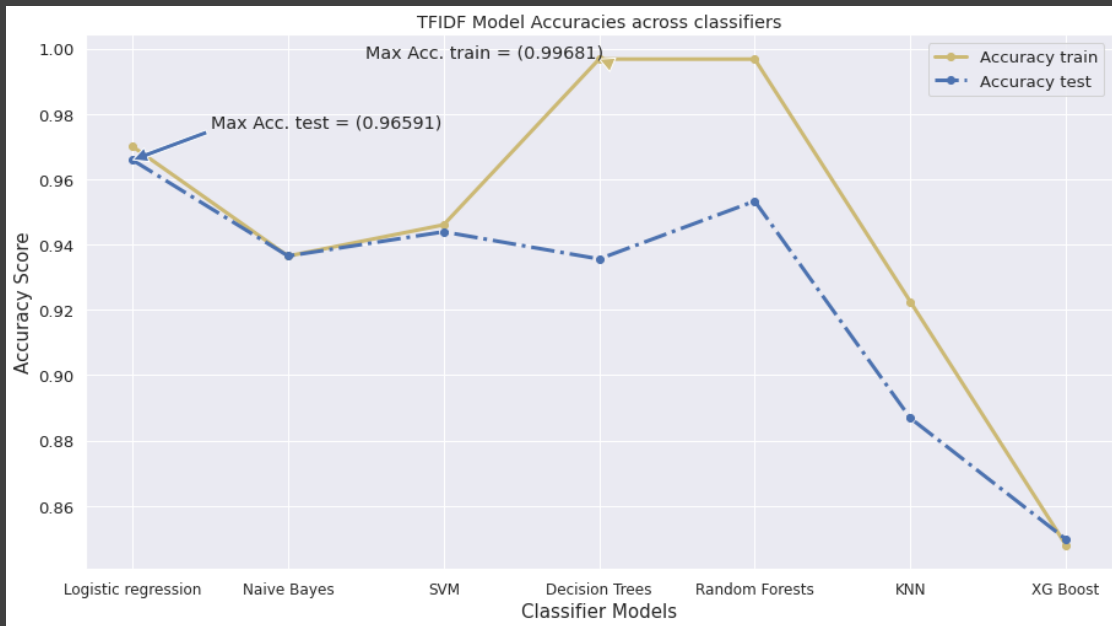
Line Graph
Results of the model performance achieved in the various machine learning model.
Best performing model Logistic regression (acc = 0.965).
Final accuracy on Election data is lower (acc = 0.71)
Drawbacks: Election keywords missing in generic dataset

- **Liberal Party** and **Conservative party** two largest parties have higher proportion of negative sentiments
- **Liberal party**: highest positive predictions (based on generic dataset trained model)
- Actual result : Liberal party won the election
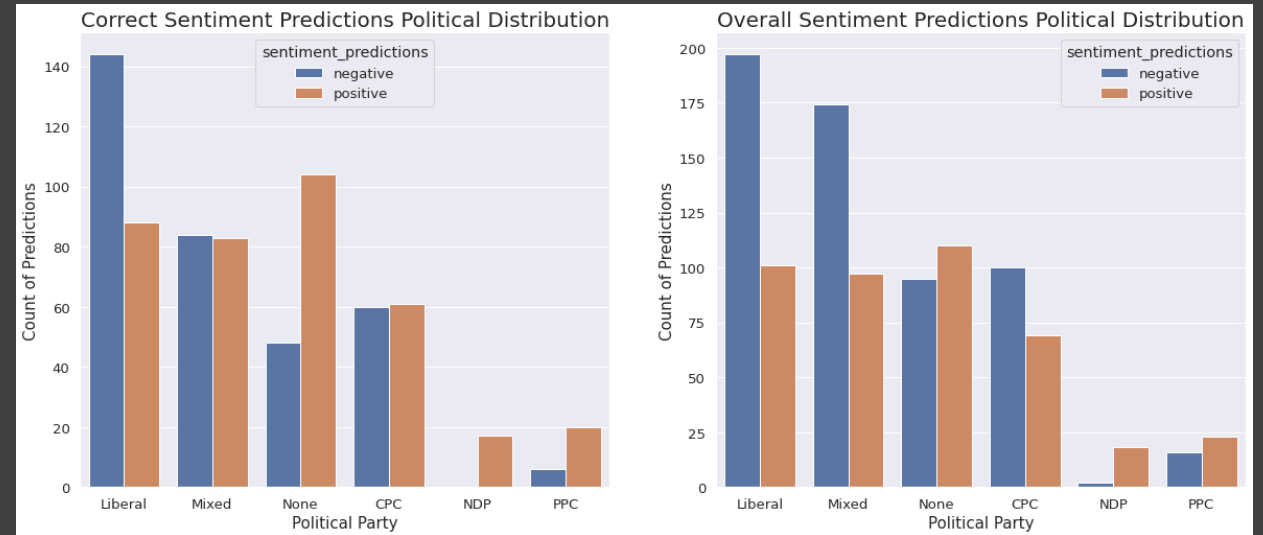
NLP or Natural language Processing either through tweeter or any social media platform gives a great idea to analyze the sentiment of the large demography across any given region, thus helps to predict possible correct consequences of any upcoming event like elections.