



Sentiment analysis on Tweets about 2021 Canadian Election

MIE1624 Final Exam Project

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Canadian Election Data – Negative Reason Distribution

- The figure shows the distribution of 11 negative reasons

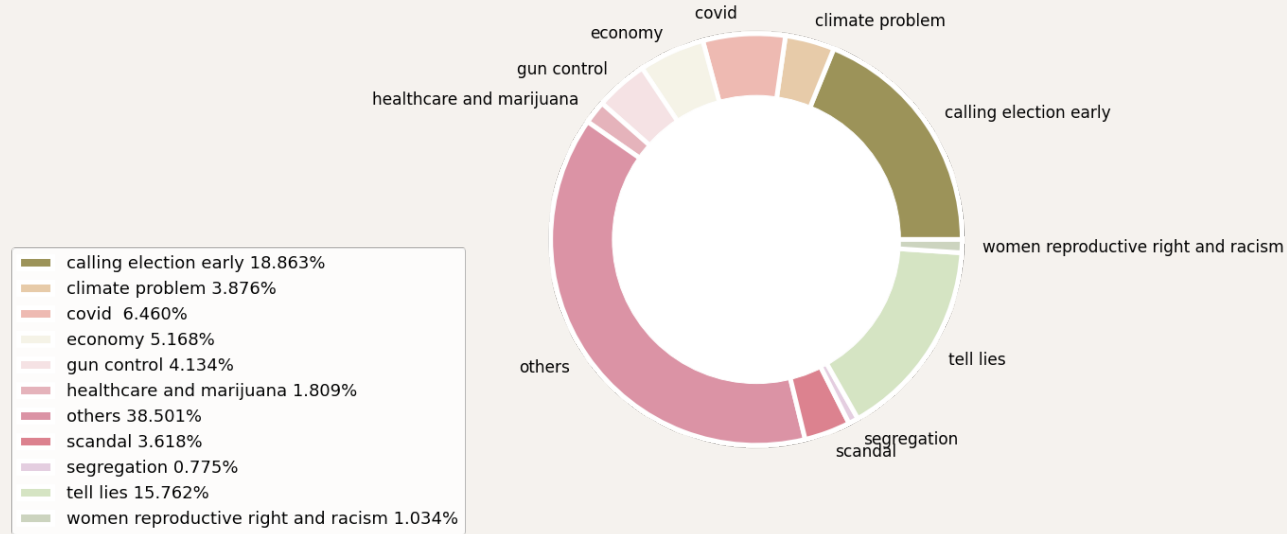
- Top three reasons:

- Others
- Calling Election Early
- Tell Lies

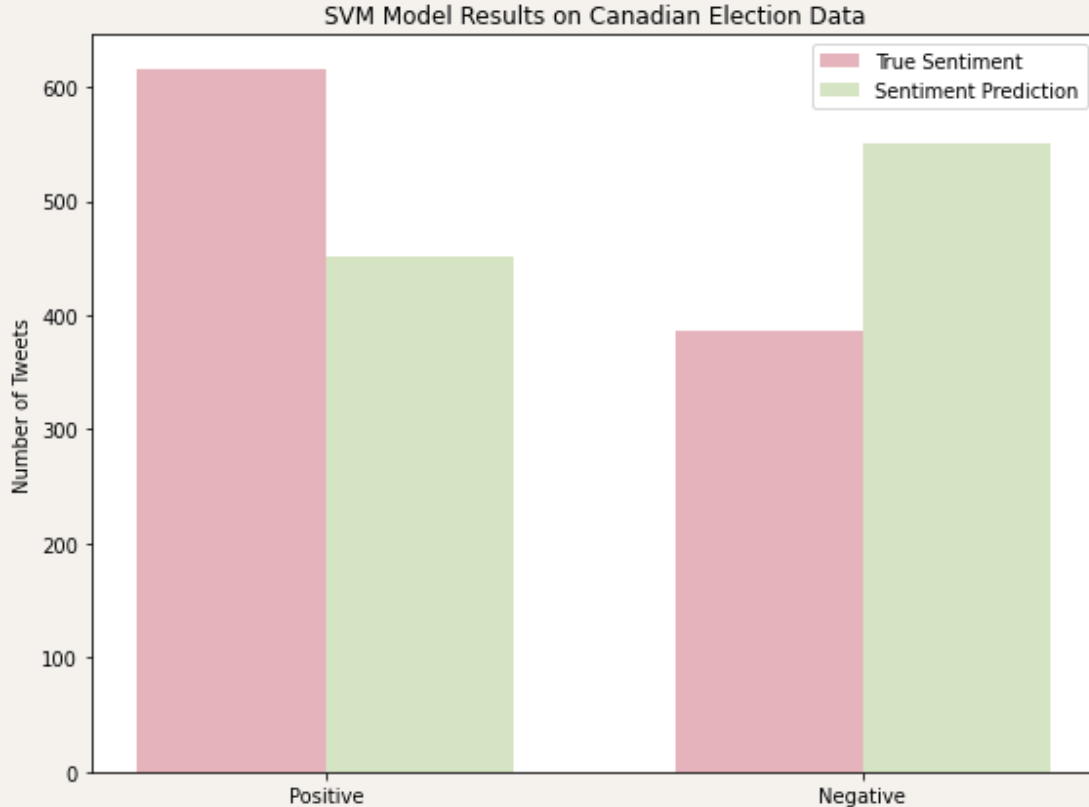
- Citizens complain more about candidates' personal behavior

- Other types of reasons:

- Covid; Economy; Gun Control...



SVM Model Results on Canadian Election Data



◆ SVM Model Accuracy - 75%

◆ True Positive: 615

◆ Predicted Positive: 451

◆ True Negative: 387

◆ Predicted Negative: 551

◆ Positive Sentiment – Underestimated

◆ Negative Sentiment – Overestimated