

Data 620 Final Project Proposal

Project Proposal

Election 2020 Tweets Sentiment Analysis

The 2020 United States presidential election was the 59th quadrennial presidential election, held on Tuesday, November 3, 2020. The Democratic ticket of former vice president Joe Biden and incumbent U.S. senator from California Kamala Harris defeated the Republican ticket of incumbent president Donald Trump and Vice President Mike Pence. In this project we will analyze the sentiments of the tweets about the general election and build a model to predict sentiments of new tweets.

Twitter Data

We pulled twitter data using tweepy. We pulled 10,000 tweets, starting from 11/1/2020, with hash tags #Elections2020, #Elections20 and #Elections. We excluded retweets with these hash tags.

Sentiment Analysis

We will perform sentiment analysis on 10000 tweets that have the hashtag #Elections2020 OR #Elections2020 OR #Elections20 OR #Elections. We will classify each tweet text as positive, neutral, or negative.

Model

We will build models to predict sentiment and analyze the efficiency of different models to see which model is good at predicting sentiment.

We will use TextBlob package for sentiment analysis: <https://textblob.readthedocs.io/en/dev/>