

Project Title: Elections, Elections, Elections. Who has the vibes?

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Project Description:

With the contentious presidential elections coming up, we want to see if tweets and news headlines about the elections can help us in identifying prevailing sentiment around the 2 different candidates. Given that sentiment data is hard to label and evaluate, we will attempt to assess our models with the prevailing probabilities generated by 538 (A respected and well-known website for election commentary and predictions). As twitter has clamped down on access to data, we will run our models and predictions using the historical 2020 twitter data set and the 538 predicted probabilities.

We do have access to the 538 predictions in 2024 which we will try to target to measure how our model performs for a different year and with another candidate against Trump. Instead of using the Twitter dataset, we will be using 2024 news headlines for sentiment analysis. In varying the time period (2020 vs 2024), the candidate against Trump (Biden vs Harris) and the source text (Tweets vs News Headlines), we want to see if the model that was trained on different scenarios can be transferred to an environment that is slightly different.