

Project Plan

Next steps

- Clean the spreadsheet
- Look for algos that will sort tweets into topics
- Make the times consistent

Summary of Idea, Technologies, Milestones:

Through a web application, we plan to analyze and display how approval ratings of Joe Biden change in response to his Tweets (on Twitter) about specific topics. For instance, we might notice that Biden's tweets about canceling student debt may result in higher approval ratings.

Technologies we will be using include Flask, Python, SQL, Bootstrap, HTML, and CSS.

Our first milestone is this current project outline and schema design. Our second milestone will be to clean the data (e.g. filtering his Tweets by certain topics/political issues with a Python Library parser, converting the timestamps to a consistent date format in order to join the databases), and lay out the basic design of our web application. Our third milestone is to create the web application, specifically implementing a search engine bar and generating visualizations that show his approval rating when users search a particular topic.

Links to the Databases:

- <https://www.kaggle.com/datasets/rohanrao/joe-biden-tweets>
- <https://www.kaggle.com/datasets/kaggleqrdl/biden-approval-polling>

Schema design for your database(s):

JoeBidenTweets.csv

id	timestamp	url	tweet	replies	retweets	quotes	likes
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Polling_data.csv

president	subgroup	startdate	enddate	pollster	sample size	population	approve	disapprove	url
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