

PROJECT DESCRIPTION:

Our project is based on sentiment analysis for the 2016 presidential election. We are trying to ascertain the impact of positive or negative language with public sentiment of candidates before and after a presidential debate. The workflow process will be as follows:

- 1) We will be using transcripts from the Washington Post of three previous Republican Debates (Houston, Detroit, and Miami). With the help of BeautifulSoup (an HTML parser) we will scrape these sites to build dictionaries of all words said by specific candidates during each debate.
- 2) The dictionaries will be placed in a relational database to find keywords and then sent through SENTIMENT API to get a confidence and sentiment score.
- 3) We will use twitter feeds to find out what trends yielded in favor of what candidates, before and after the debate.
- 4) After both data sets are collected they will be assigned a weighting factor and then combined using SQL. From these sets we'll perform data visualization using pandas (MATPLOTLIB) to showcase the trends and our findings.

TOOLS:

Technologies/Tools used: Python, BeautifulSoup, Sentiment, TwitterAPI, Tweepy, MySQL, and Pandas/Tableau

RESOURCES:

DATE	LOCATION	CANDIDATES	TIME	YOUTUBE	TRANSCRIPT
2/25/16	Houston, TX	Trump/Cruz/Kasich/Rubio/Carson	2016-02-26 02:00:00	https://youtu.be/wopknfRmloY	https://www.washingtonpost.com/news/the-fix/wp/2016/02/25/the-cnntelemundo-republican-debate-transcript-annotated/
3/3/16	Detroit, MI	Trump/Cruz/Kasich/Rubio	2016-03-04 02:45:00	https://youtu.be/1Tmwr5d8p4	https://www.washingtonpost.com/news/the-fix/wp/2016/03/03/the-fox-news-gop-debate-transcript-annotated/
3/10/16	Coral Gables, FL	Trump/Cruz/Kasich/Rubio	2016-03-11 02:55:00	https://youtu.be/uARp7xqclvI	https://www.washingtonpost.com/news/the-fix/wp/2016/03/03/the-fox-news-gop-debate-transcript-annotated/

KEY TWITTER TAGS:

#GOPDebate and **#Yodecido** and **#republicandebate**