Twitter, Politics, and Organizations

Data:

1. **Twitter data** in json format from Donald Trump & Hillary Clinton's official campaign Twitter accounts, collected from Social Feed Manager, exported as CSV
2. **FEC filings:** campaign finances, contributors from FEC data catalog & FEC API

Methods:

- Named Entity Extraction with Stanford NER (didn't work), then used NLTK (worked). Used OpenRefine to normalize entities.
- Sentiment analysis against text of tweets to see ratio of positive vs. negative tones in tweets from Clinton vs. Trump, using NLTK and multiple methods (Naive Bayes, VADER)
- Visualized sentiment, retweet counts, donations by a particular organization using d3plus.js visualizations and TimeMapper. Ran out of time!

John Berlin, Allie Kosterich, Greg Wiedeman, Nich Worby, and Laura Wrubel

Timeline of tweets mentioning @SEIU and donations by @SEIU, alongside primaries [View online]

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MAY 24, 2016
Tweet

"If fighting for equal pay, paid family leave, and
affordable child care is playing the 'woman card,'
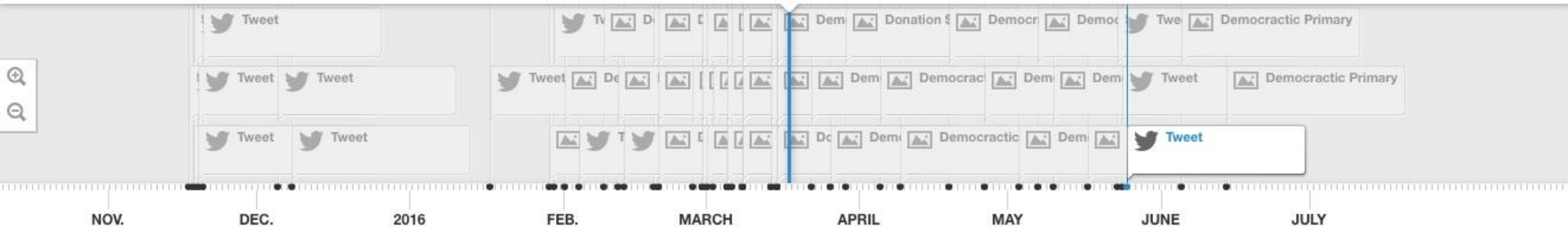then deal me in" —Hillary to the @SEIU

Hillary Clinton
@HillaryClinton 🐦

May 25, 2016
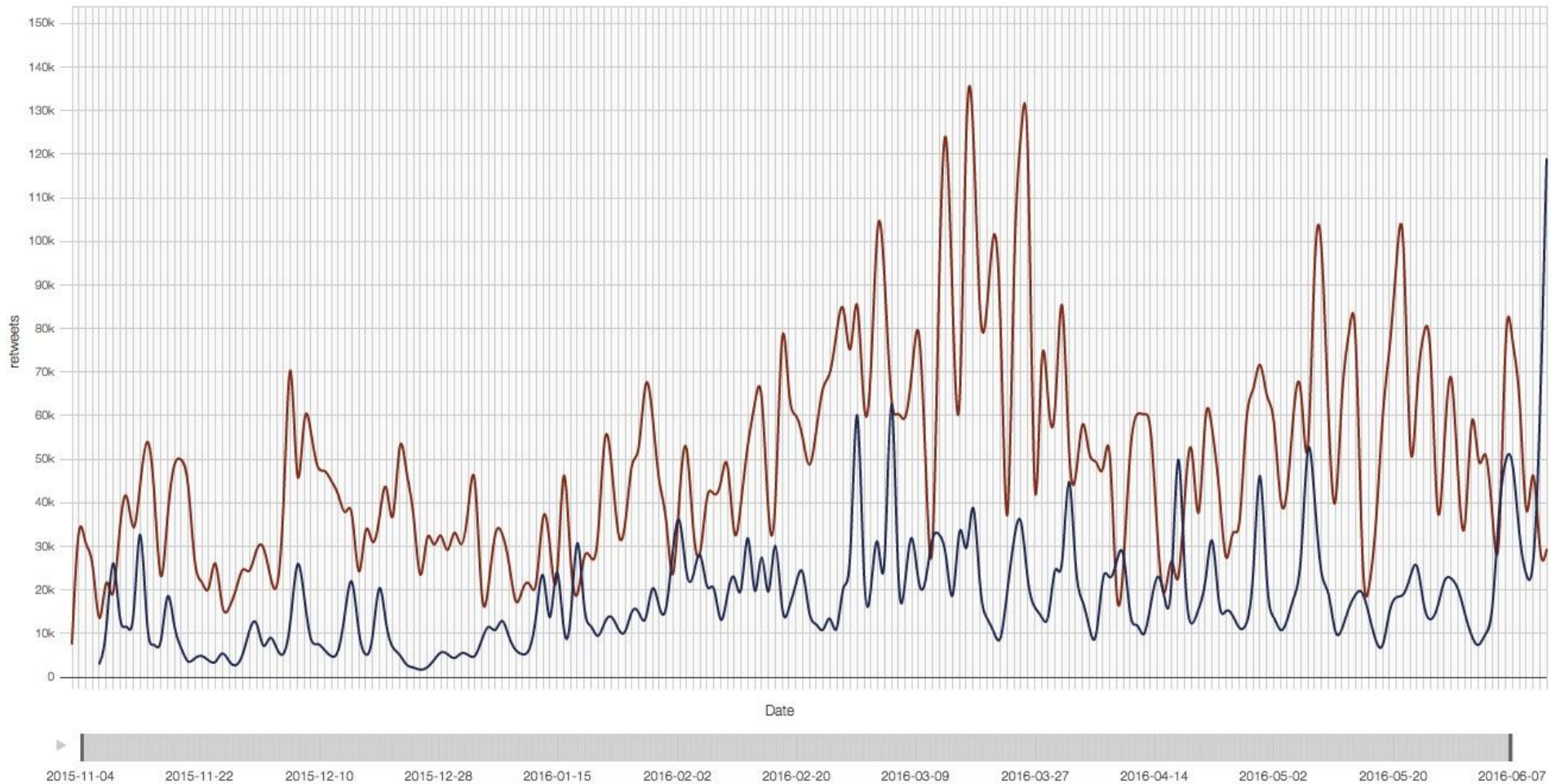
Tweet

"If fighting for equal pay, paid family leave, and affordable child care
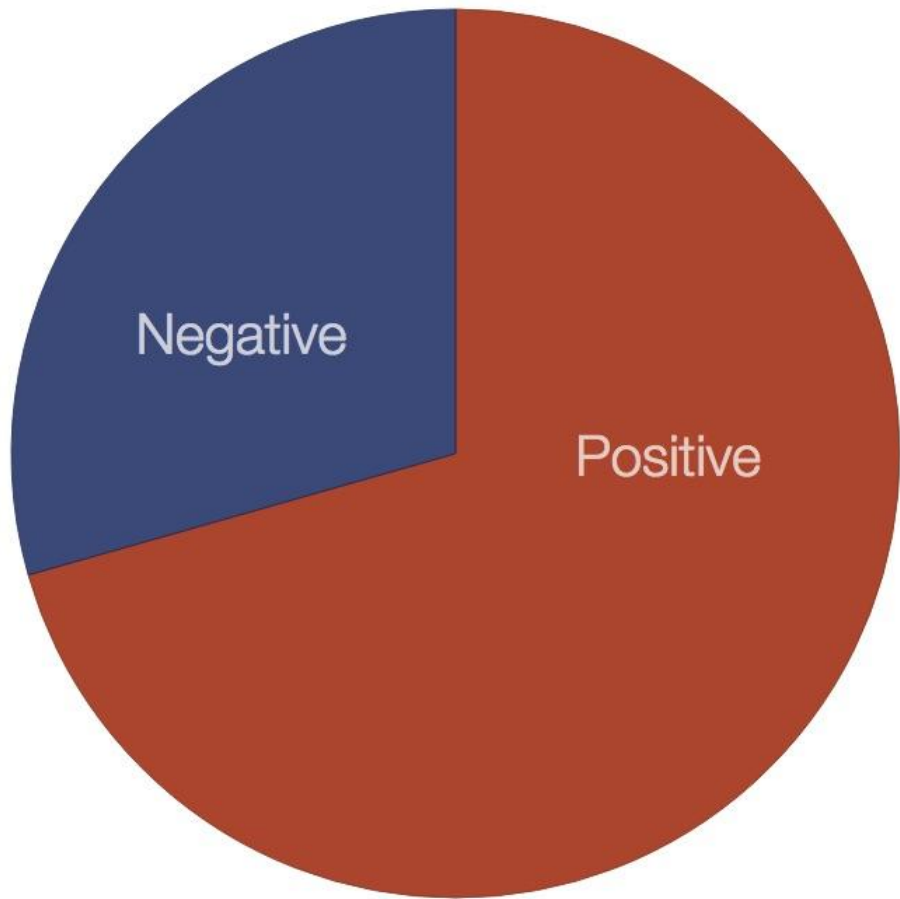is playing the 'woman card,' then deal me in" —Hillary to the @SEIU

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JUNE 5, 2016
Democractic
Primary

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NOV.   DEC.   2016   FEB.   MARCH   APRIL   MAY   JUNE   JULY

Retweets of the tweets by each candidate each day

Sentiment of Clinton Tweets

Sentiment of Trump Tweets