

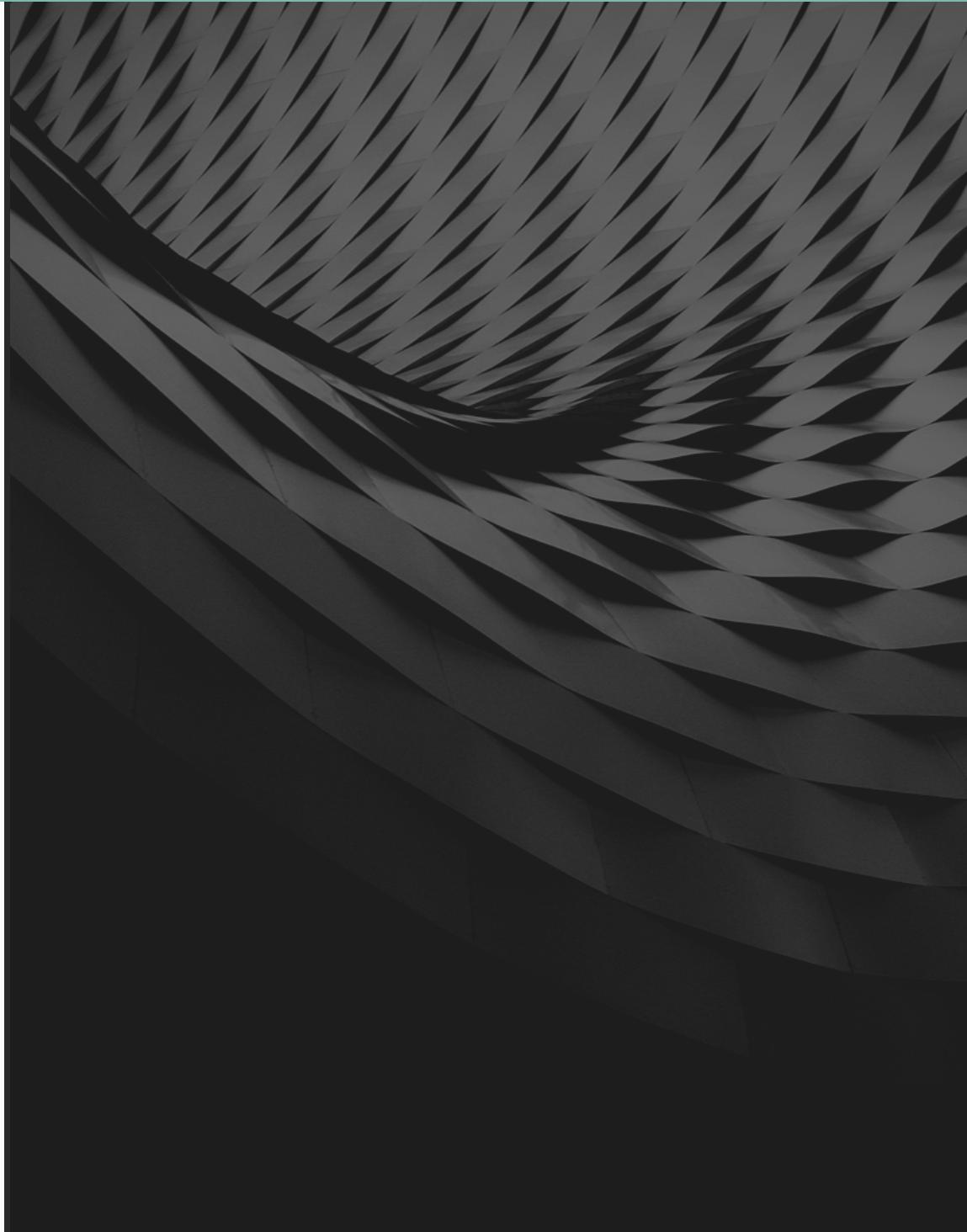
TWITTER US ELECTIONS 2016

**ANALYZING PRO-DEMOCRAT,
PRO-REPUBLICAN, AND SWING
STATES THROUGH SENTIMENTS
OF TWEETS IN 2016 US
PRESIDENTIAL ELECTIONS**

RESEARCH PROBLEM

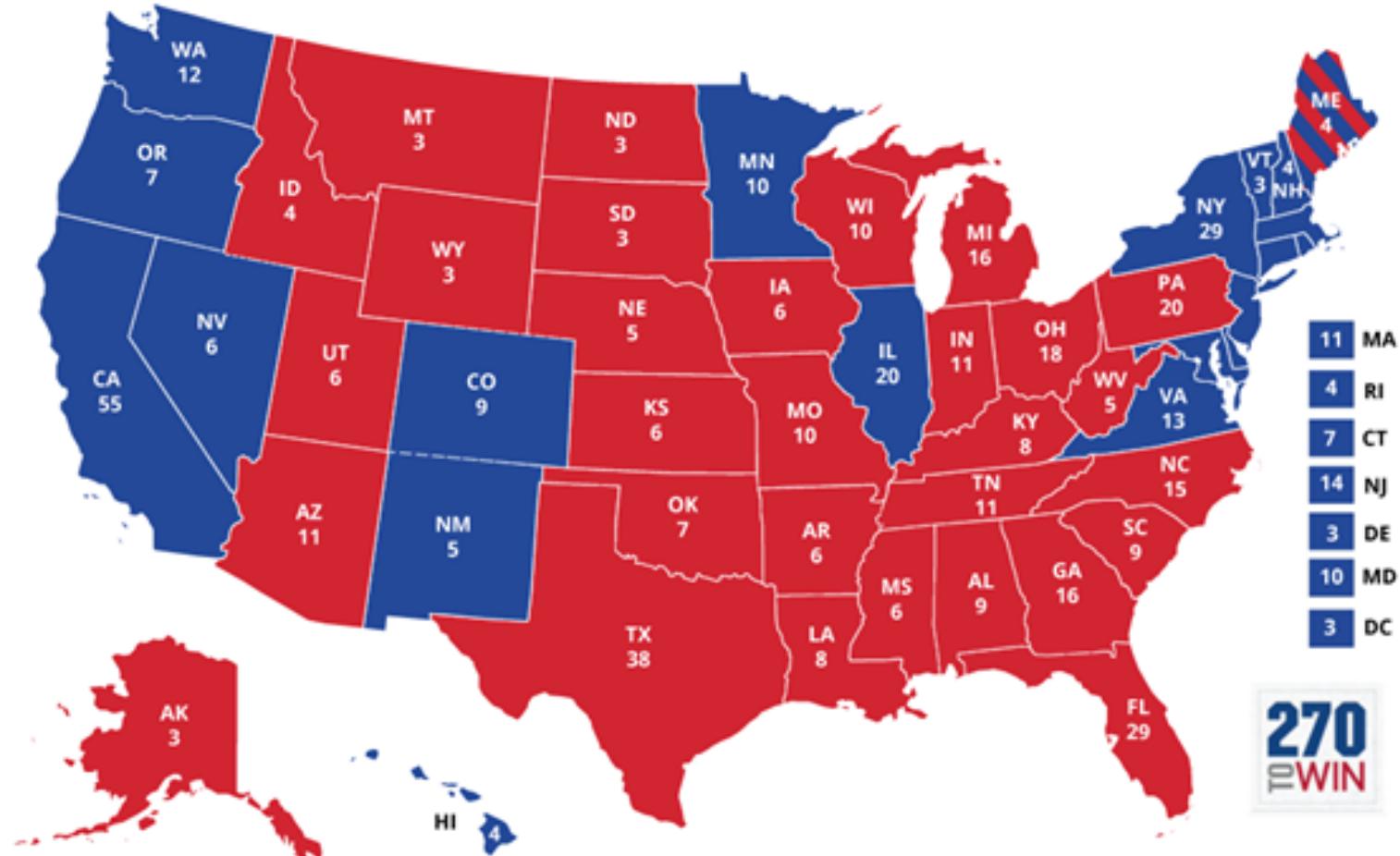
Based on the sentiments of the tweets on the day of the 2016 US presidential elections, which states supported Democrats, supported Republicans, and which were the swing states

Were the results of the research reflected to the official results of the election?



Clinton **232**

Trump **306**



ALESSANDRO. BESSI, EMILIO FERRARA.
SOCIAL BOTS DISTORT THE 2016 U.S.
PRESIDENTIAL ELECTION ONLINE
DISCUSSION (2016)

DELENN CHIN, ANNA ZAPPONE, JESSICA
ZHAO ANALYZING TWITTER SENTIMENT
OF THE 2016 PRESIDENTIAL
CANDIDATES

REVIEW OF RELATED LITERATURE

PLANNED METHODOLOGY

TOOLS: TWEEPY, TWARC, TWITTER BOT CLASSIFIER, TEXTBLOB

Gather all tweets
on November 8,
2016 that are
related to the US
election day

Remove bot tweets
(if possible)

Apply a sentiment
analysis through all
tweets to
determine if the
tweet supported
the Democrats or
the Republicans

PLANNED METHODOLOGY

TECHNIQUES: KEYWORDS, MAPREDUCE

Determine keywords from related literature: Alessandro Bessi and Emilio Ferrara's study

Calculate percent of Pro-Democrat and Pro-Republican tweets of each state (for Swing States: determine if statistically tied)

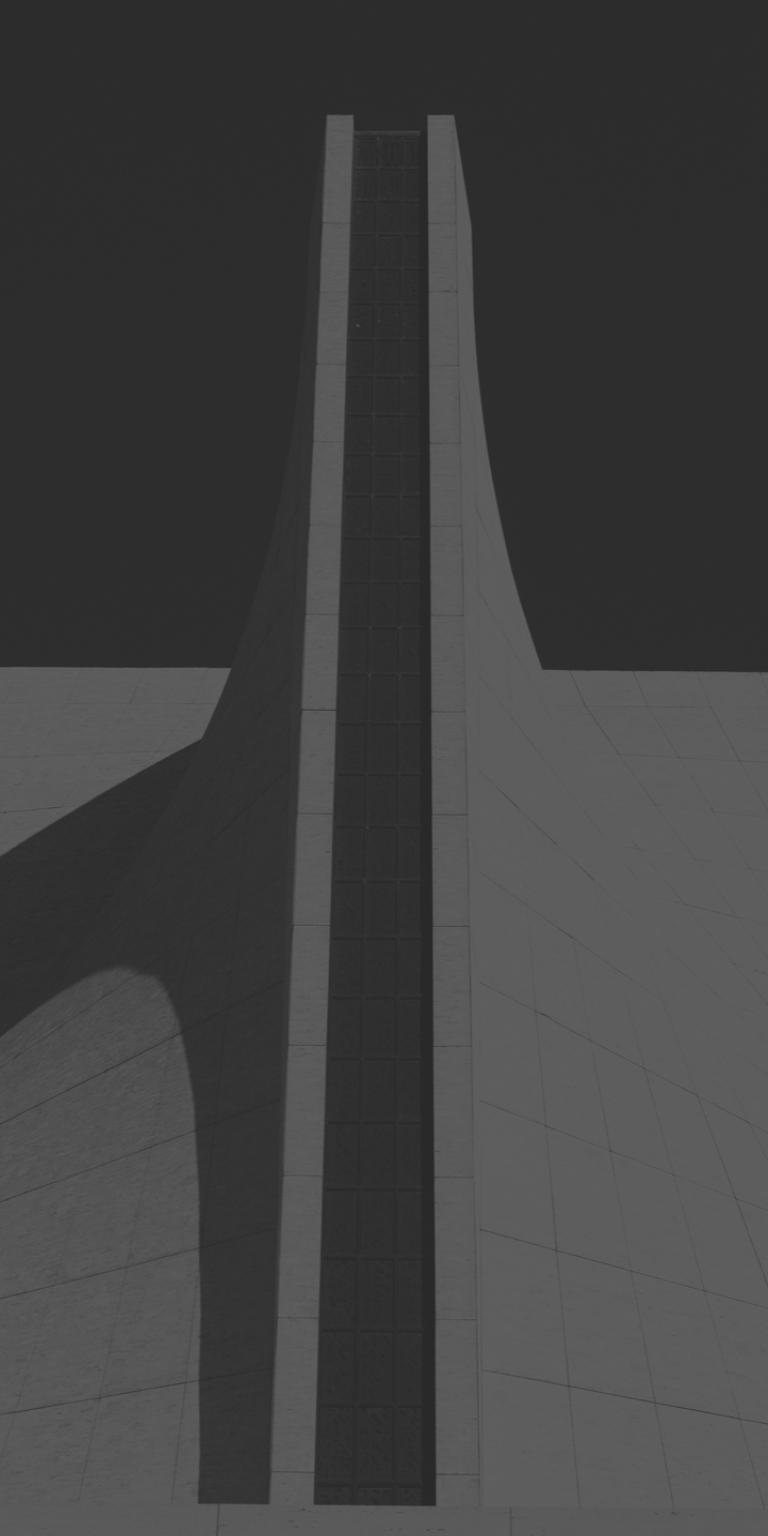
Group all tweets by state where the Twitter User lives

Determine if the state was Pro-Democrat and Pro-Republican (for Swing States: determine if statistically tied)

PLANNED METHODOLOGY



Finally, compare
the results to the
official 2016 US
Elections Results



DATASET

[HTTPS://GITHUB.COM/CHRISALBON/ELECTION_DAY_2016_TWITTER/](https://github.com/chrисalbon/election_day_2016_twitter/)

THE WHAT?

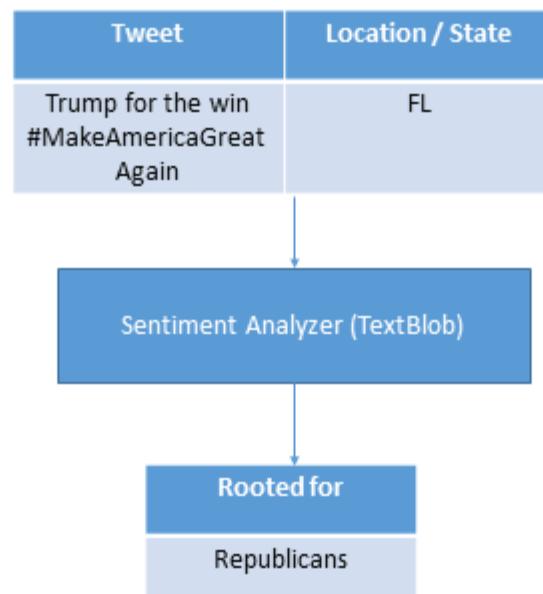
**TWEepy
TWarc for hydration**

HOW MANY?

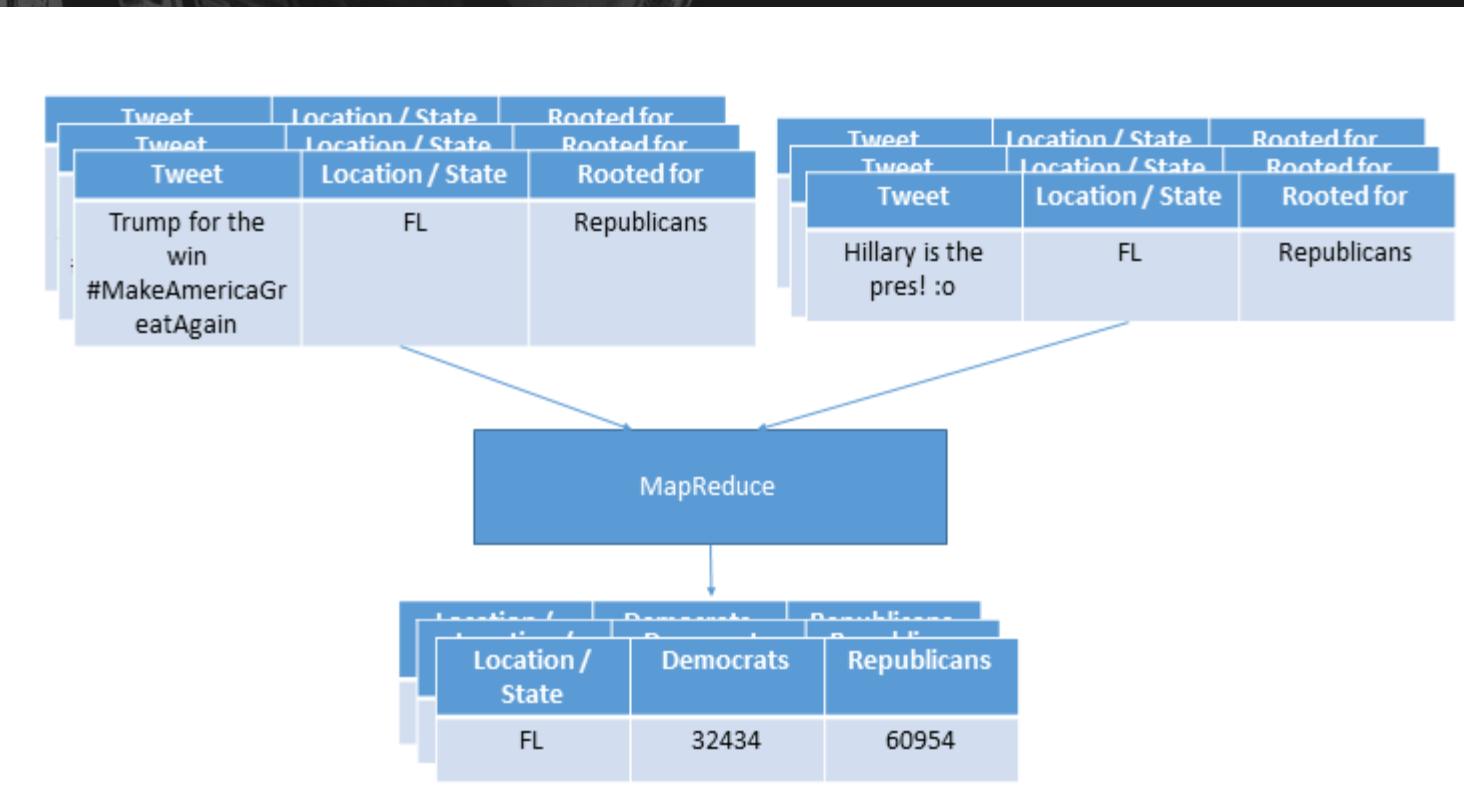
7 MILLION TWEETS IN TOTAL

METHOD DEMO

Methods



METHOD DEMO





MANY THANKS

PRESENTATION MADE IN



CS 232
Patrick Atienza
Paulo de Leon

