# Analysis of Trump Tweets

# Why Trump

## Why Trump

- There is plenty of data
- His tweets affects real life events
- Massive number of following

### Data source

- From Kaggle
- Around 56571 post
- From 4th of May 2009 to 8th of Jan 2021

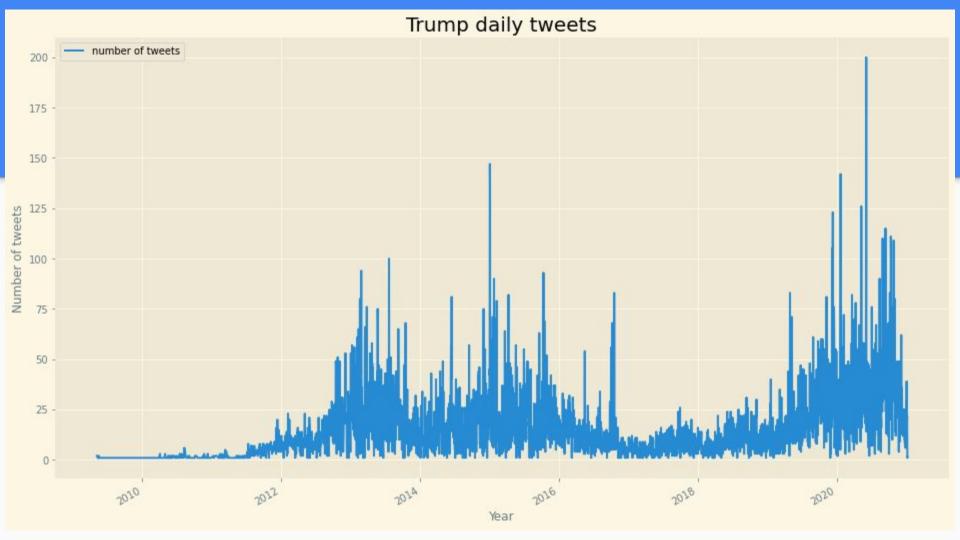
# Some interesting finding

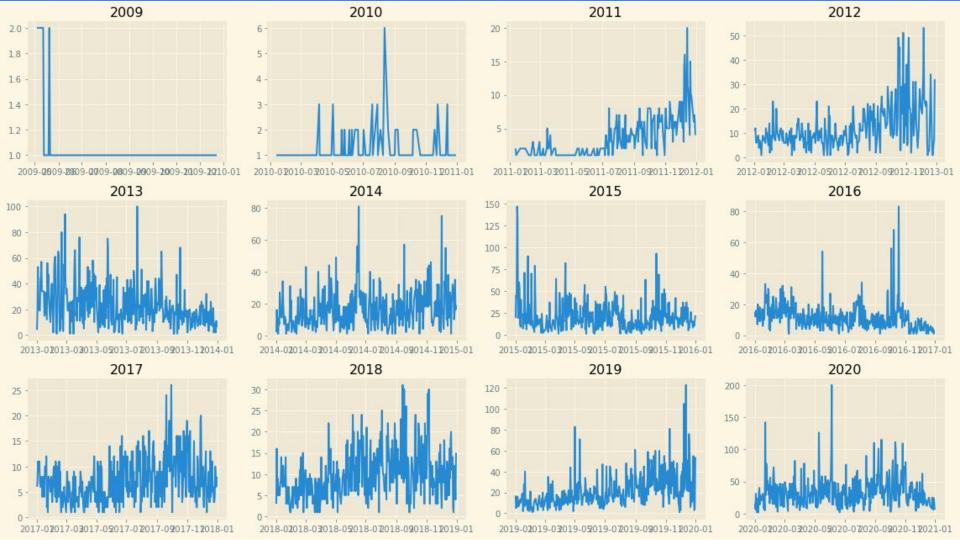
Twitter for iPhone	27967
Twitter for Android	14545
Twitter Web Client	12182
TweetDeck	482
TwitLonger Beta	405
Twitter Media Studio	375
Instagram	133
Facebook	105
Twitter for BlackBerry	97
Twitter Ads	97
Twitter Web App	64
Twitter for iPad	60
Twitlonger	23
Twitter QandA	10
Vine - Make a Scene	10
Periscope	7
Neatly For BlackBerry 10	5
Media Studio	2
Twitter for Websites	1
Twitter Mirror for iPad	1

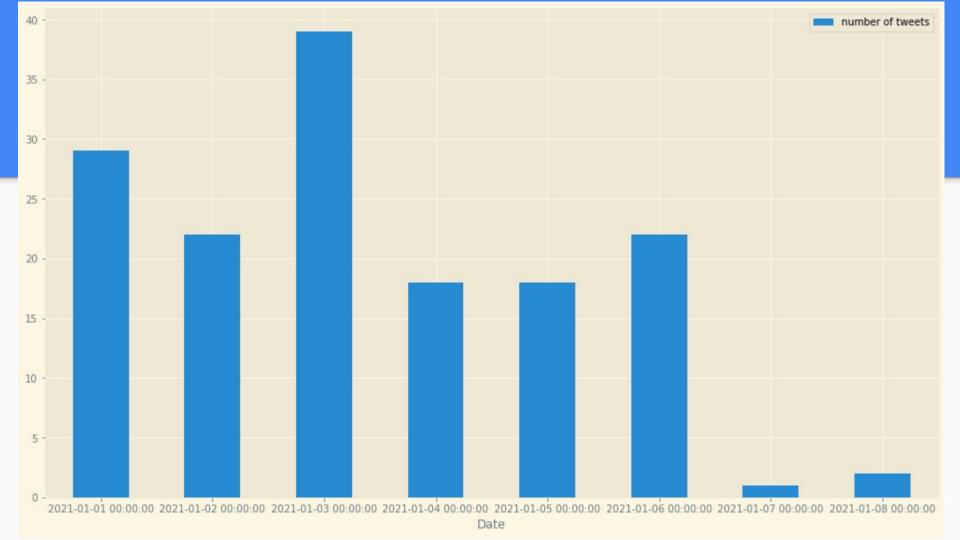


Tonight, @FLOTUS and I tested positive for COVID-19. We will begin our quarantine and recovery process immediately. We will get through this TOGETHER!

12:54 AM · Oct 2, 2020 · Twitter for iPhone







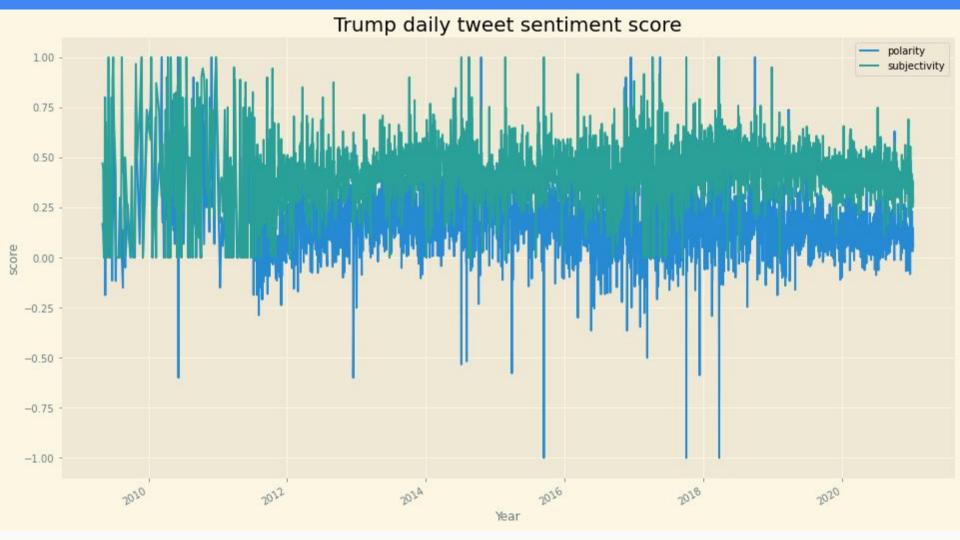
### Sentiment Analysis

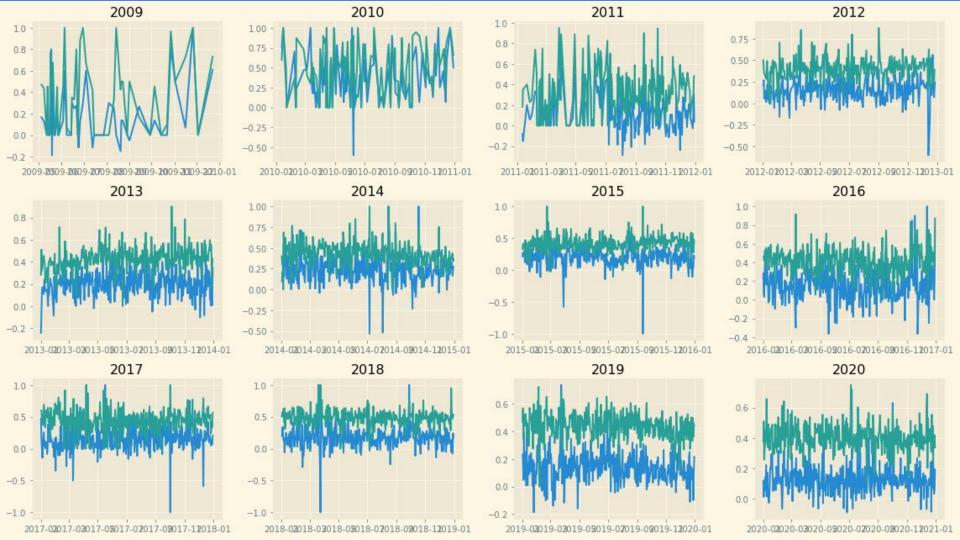
#### TextBlob

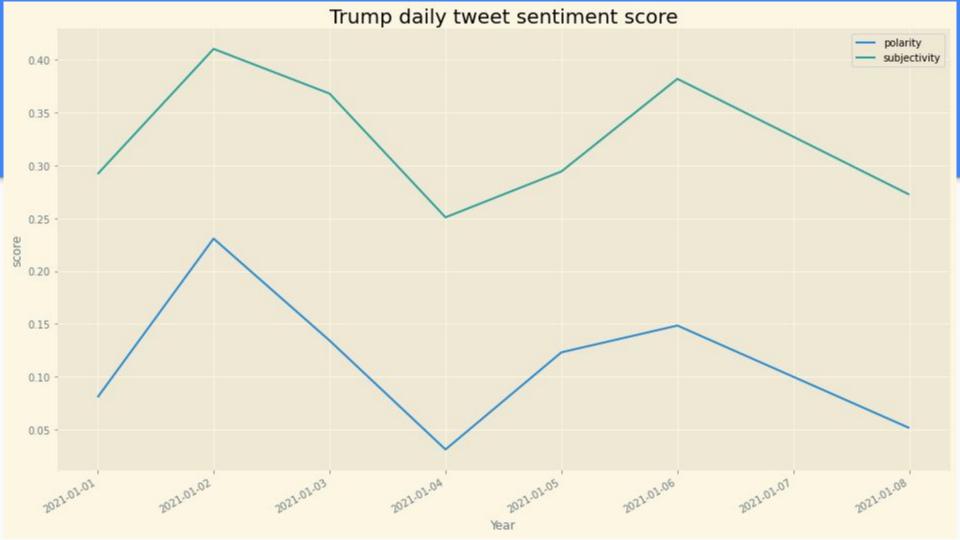
- Polarity [-1, 1] and subjectivity [0, 1]
- Ignore words it doesn't know
- Sometimes unhelpful result

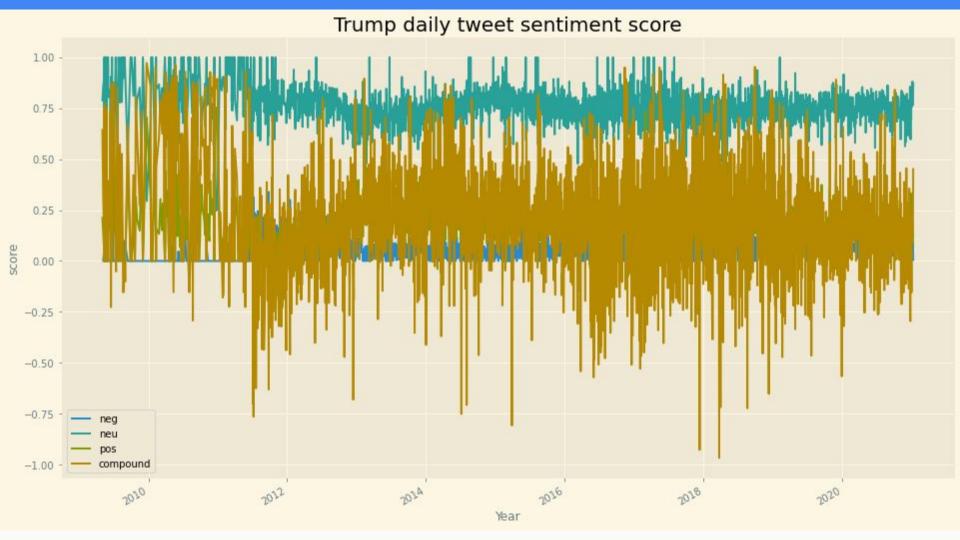
#### VADER

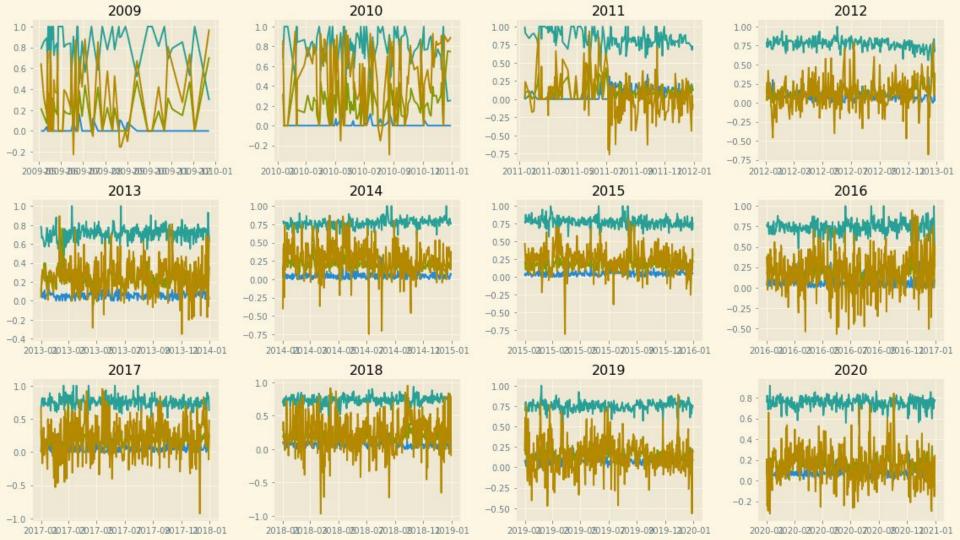
Returns the probability to be either positive, negative or neutral

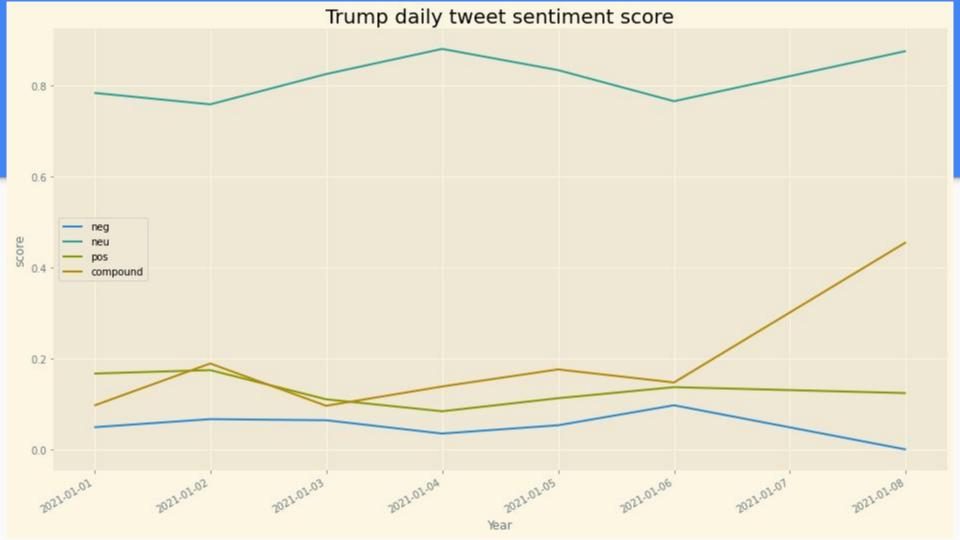










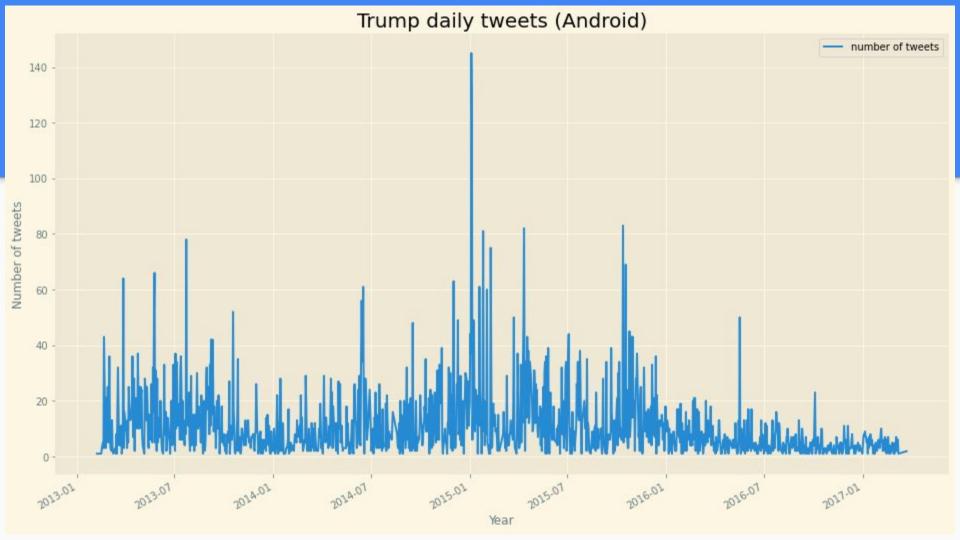


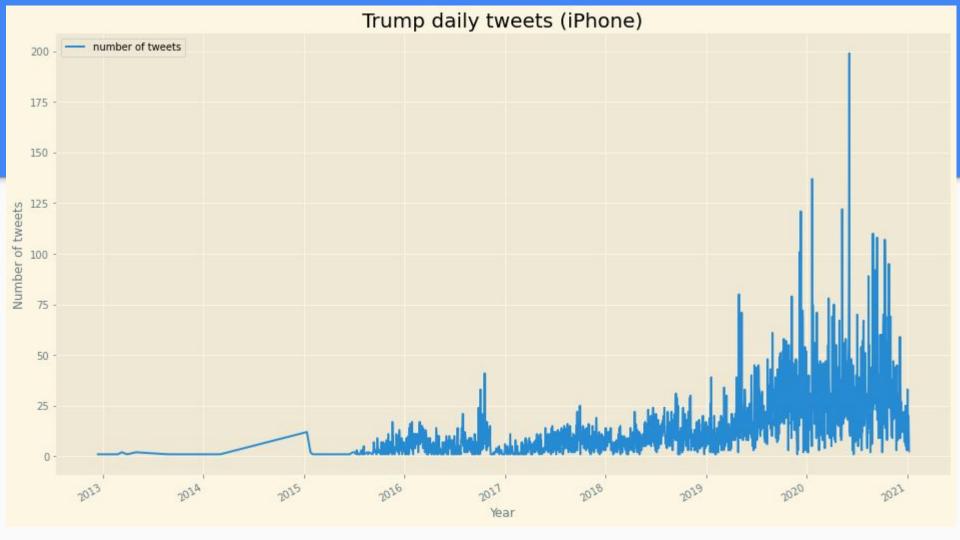
9:20 PM · Aug 6, 2016 · Tweetbot for iOS

Every non-hyperbolic tweet is from iPhone (his staff).

Every hyperbolic tweet is from Android (from him).

d J. Trump @realDonald| J. Trump @realDonald luck #TeamUSA ng to New Hampsh ningCeremony #Rig about Hillary sayi vitter.com/mS8qsQ<sub>I</sub>T CIRCUITED, and 8,3<sub>S</sub> 1,4 es 3:59 PM via **Tw** :11 AM via **Twi** 





## Number of tweets by hour of the day



### Conclusion

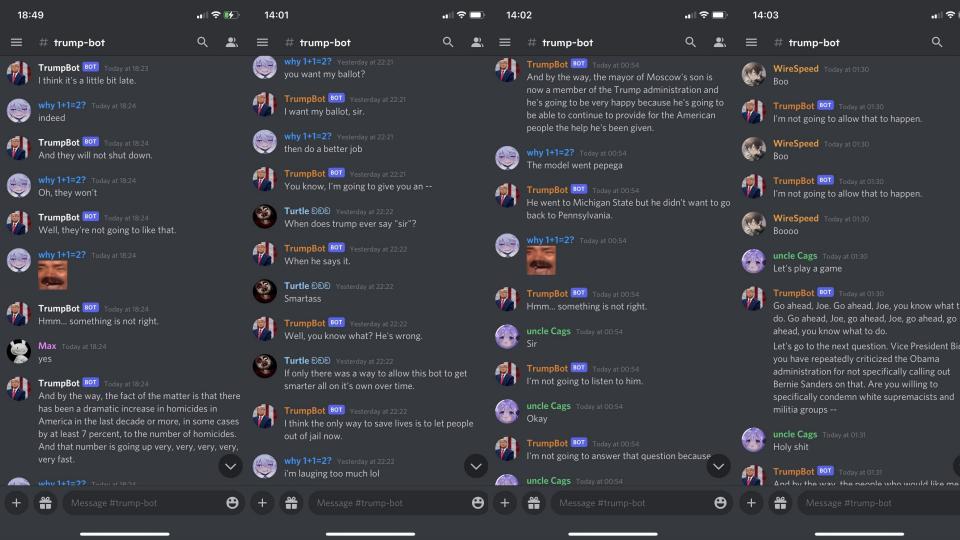
- Trump twitter activity peaked in 2015 and 2020
- Trump tweets are mostly neutral and generally subjective
- iPhone vs Android hypothesis is likely moot
- We can conclude that Trump switched to iPhone as his main device between 2016 and 2017
- He probably doesn't sleep much

### Bonus

I made a chatbot trained with 2020 presidential debate. The model used is Microsoft DialoGPT which is based on Transformer model. You can try it here:

**Hugging Face** 

**Discord version** 





TrumpBot BOT Today at 22:18

You're in the wrong subreddit, buddy.

I'm not going to listen to him.