

TWEET₂STOCKS

<https://github.com/nicholasadamou/Tweet2Stocks>

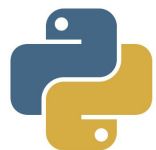
What is it?

It's a *python* program that *analyzes* recent tweets that mentions any *publicly traded companies* and launches a sentiment analysis to determine whether the aggregate opinion of the company in question is positive or negative for a given time period.

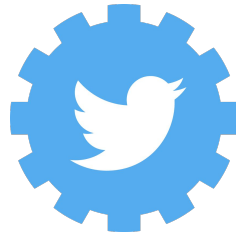
Why use it?

- Ability to *quickly* and *easily* analyze perception of a *product* or *service*.
 - Generate correlations b/w:
 - *Perception*
 - *stock price*
- Make *more informed* decisions on stock trading.

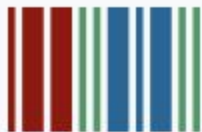
Technologies Used



python



Google Cloud

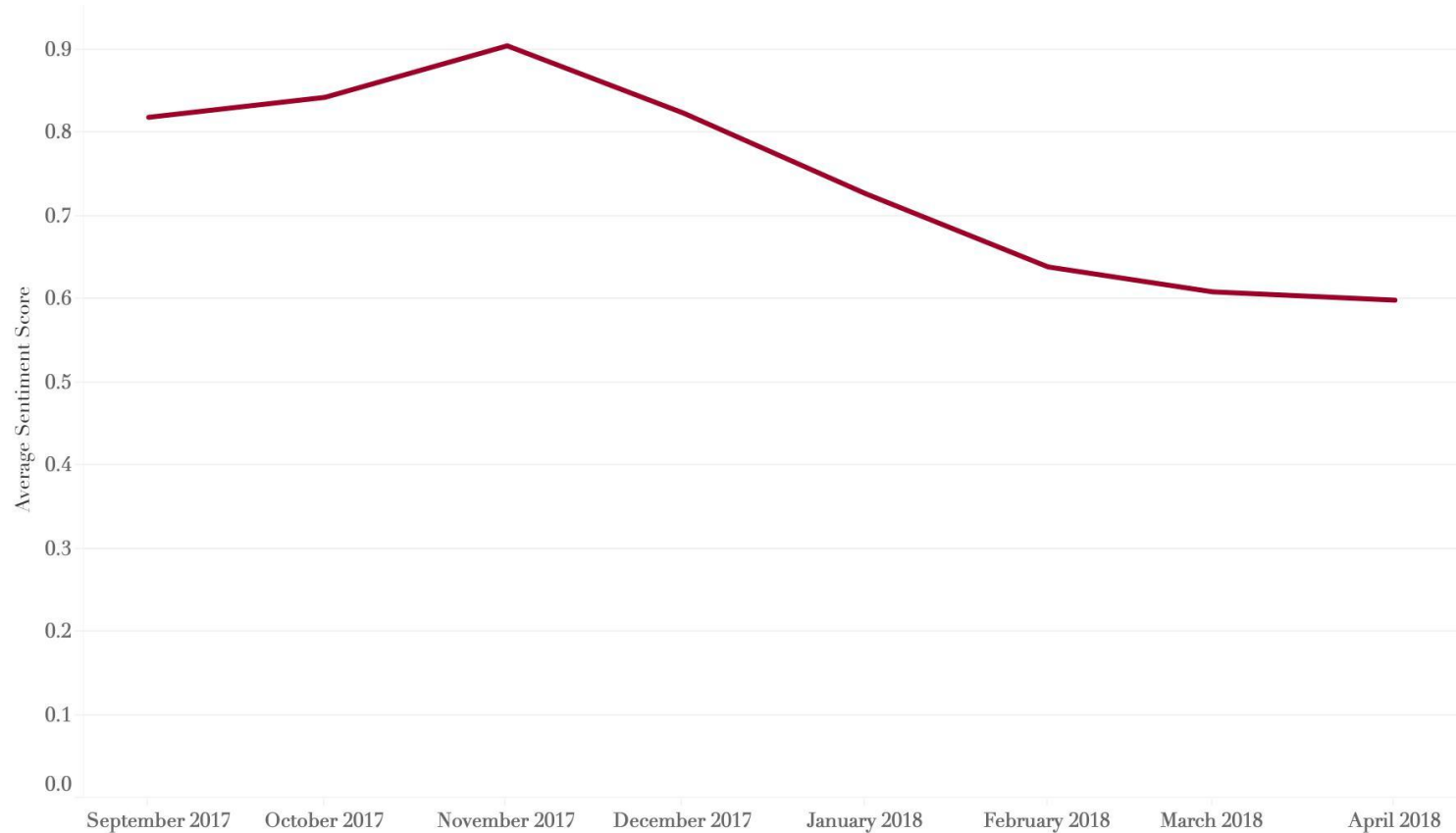


Wikidata Query Service

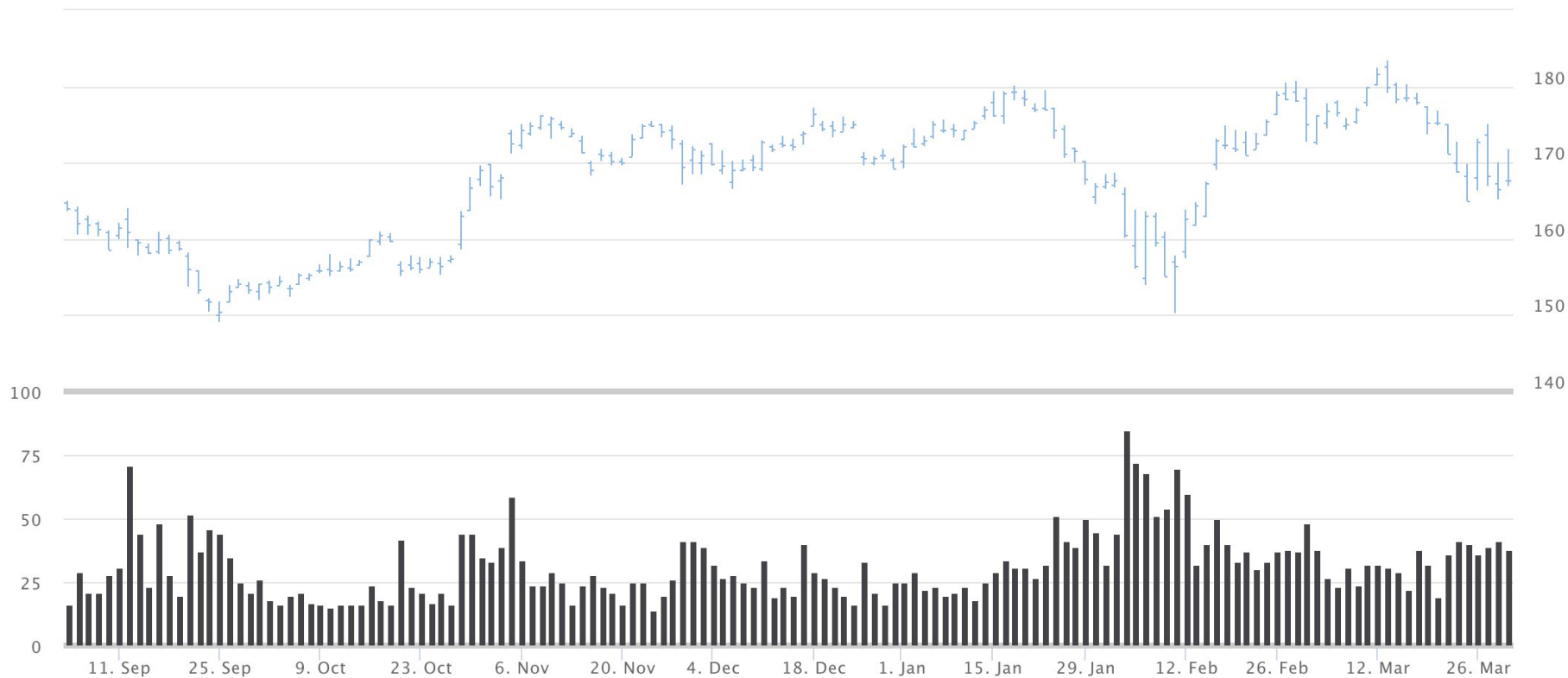
Hypothetical Example

**How did people perceive the
launch of the iPhone 10?**

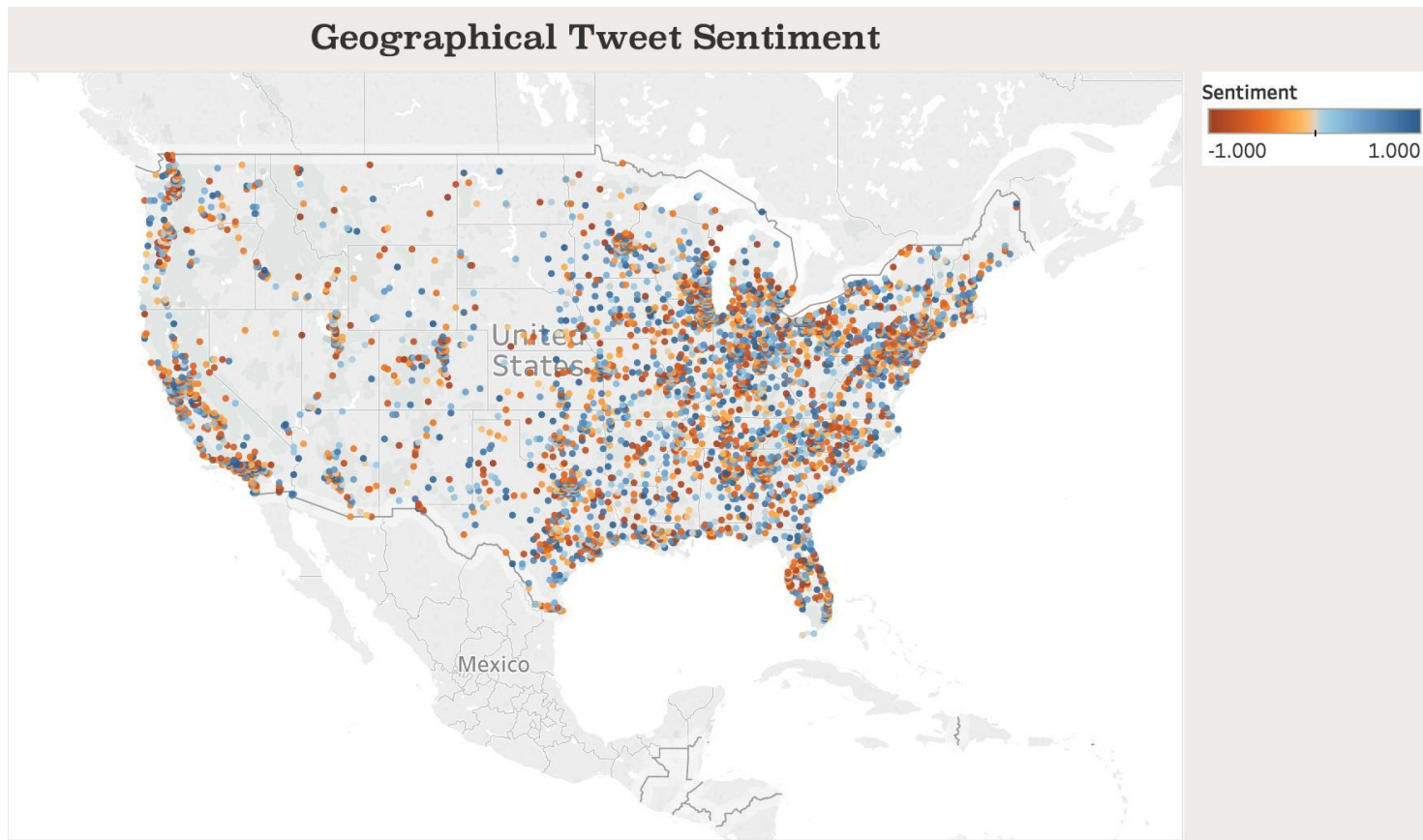
Net Sentiment for \$AAPL 9/1/17 - 4/1/18



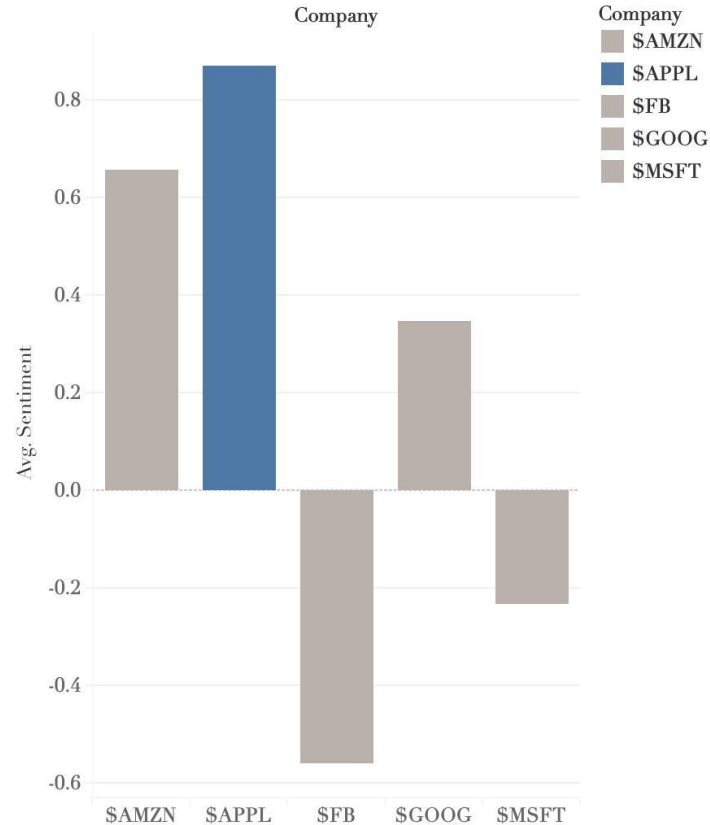
Stock Price of \$AAPL 9/1/17 - 4/1/18



Geographical Sentiment for \$AAPL



Net Sentiment of Tech Companies Found



Looking to the future

- Implement a *front-end* that allows a user to:
 - Select:
 - multiple Ticker Symbols
 - A time-span
 - Amount of tweets
 - *Back-end* generates useful charts after analyzation
 - Ability to save charts to .csv and other file formats
 - Give an analyzation a name
 - Save what was analyzed to the cloud
- Utilize the *Enterprise Twitter API* for more accurate historical data