

Predicting
stock price by
analyzing
influential
figures twitter
feeds



For the stock market,
tweets are fairly
important, but some
are more important
than others!!



BUSINESS

CULTURE

GADGETS

FUTURE

STARTUPS

CNNMONEY



Snapchat stock loses \$1.3 billion after Kylie Jenner tweet

by Kaya Yurieff @kyurieff

🕒 February 23, 2018: 12:11 PM ET

👍 Recommend 9.7K



Social Surge - What's Trending



China is the big wild card in Trump's Iran decision



Iran fears send US oil above \$70 for first time since 2014



Apple's game-changing iMac turns 20 years old

Investing

More from CNNMoney

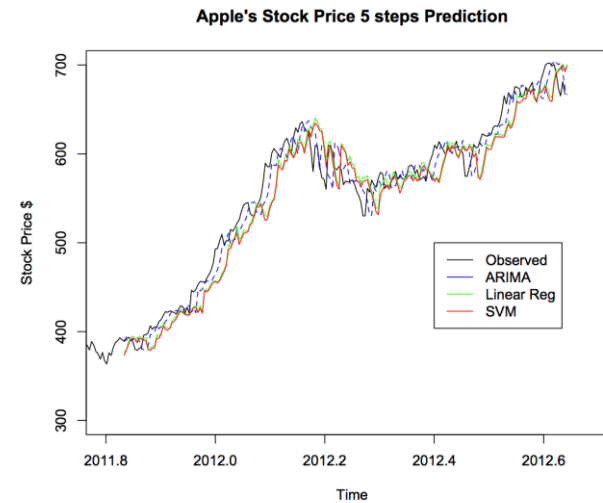
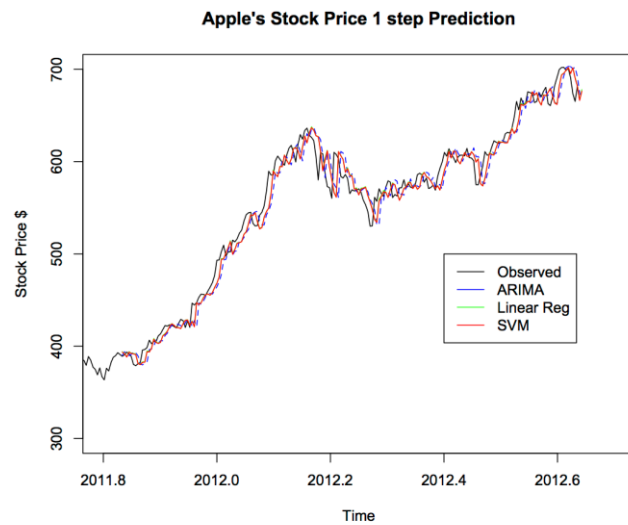


PACIFIC: The Disney-Comcast War Gets Hot



Snapchat stock loses \$1.3 billion after Kylie Jenner tweet

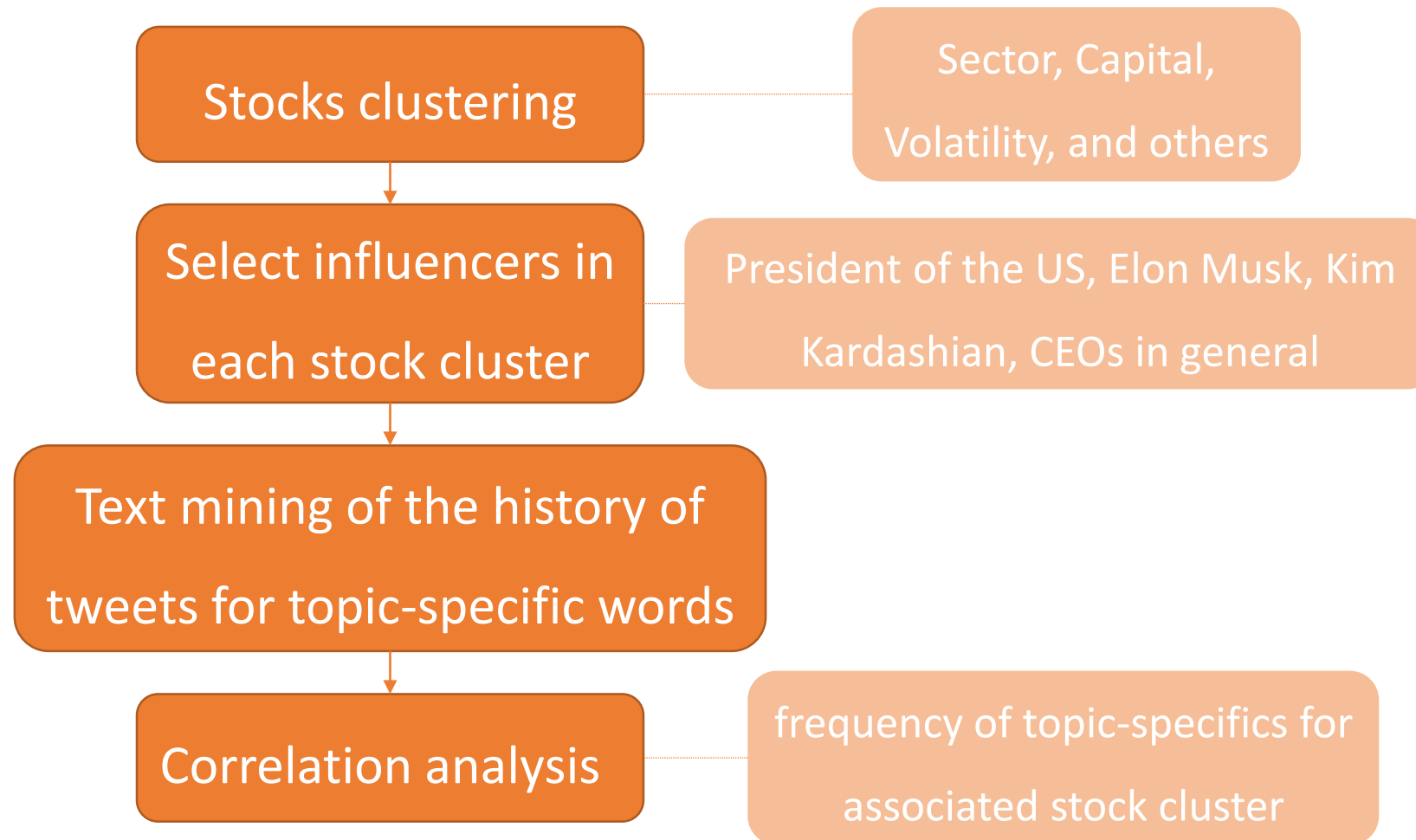
- There are many predictive models for the stock market – mostly insensitive to twitter feeds



<https://www.cse.unr.edu/~harryt/CS773C/Project/>

How can we correct prediction models
based on significant tweets?!

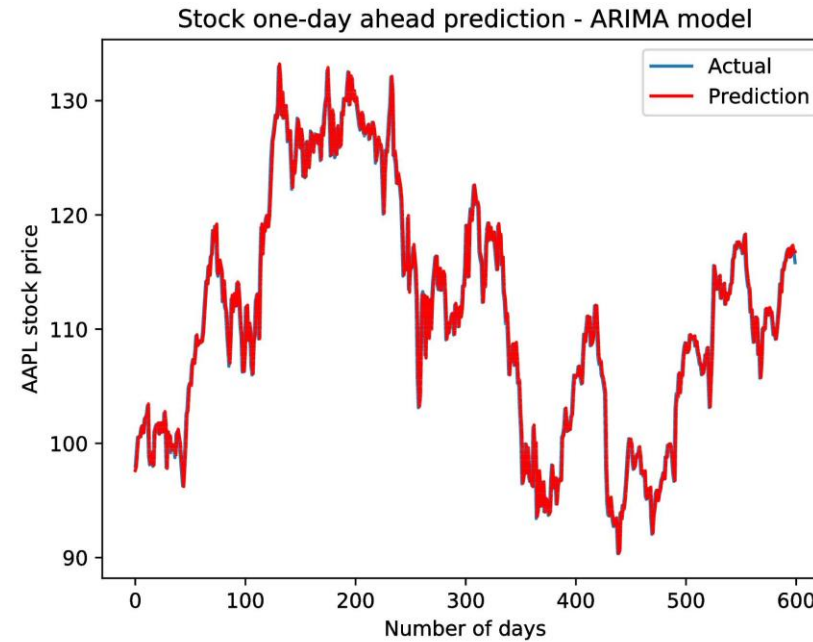
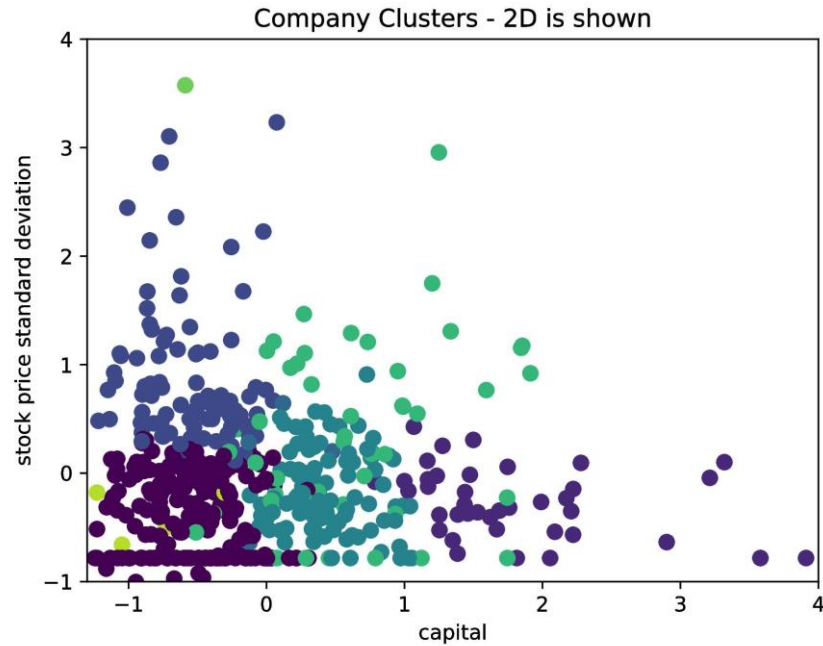
Proposed Algorithm



Data Source

- 100 MB data for S&P 500 companies historical prices with fundamental data
- For twitter feeds:
 1. Tweepy
 2. Twitter Capture and Analysis Toolset – Github
 3. TAGS
 4. Specific character's database:
 - <http://www.trumptwitterarchive.com/>

Analysis



Next Step:

- Regression between binary word vector and daily price change for different clusters
- Predictive model updating – ARIMA , Markov Chain, DNN