

CORONAVIRUS - A Social Epidemic

By Group 1 for IS434

Objective

Understanding the **spread of information** regarding the COVID-19 virus

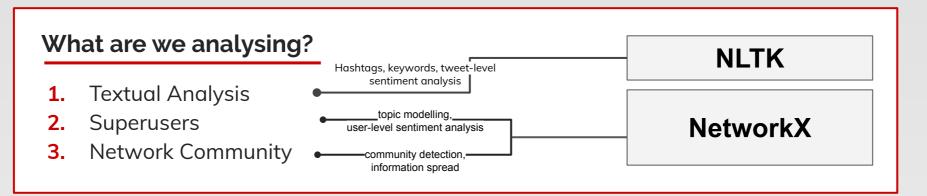
Detecting and **surfacing untruths** from social media!

Client

@thebaselab



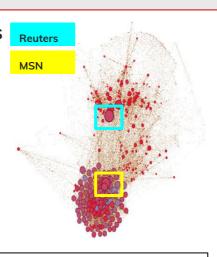




RESULTS - "Political leanings observed in News Sources Network Analysis"

Comparison of News Sources

- News sources with differing sentiments are in different communities
- Negative news sources sparser and less clustered than positive
- Most influential sources are never extremely negative



Topic: World Economy

News Sources Sentiment Communities USA Community 1 Right Leaning Center Left Bias Wall Street Journal, Yahoo, MSN, CNN Economy/ Reuters, Fox News, Economy/ Los Angeles Times World World **CBS News** Comm. 1 Comm. 2 Mixed **Left Leaning Center**

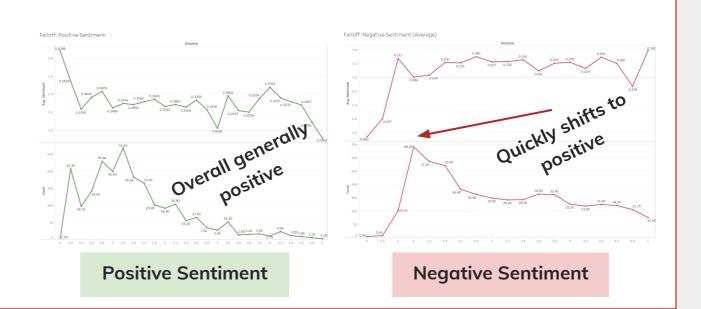
New York Times, Washington Times Politico Daily Mail, Forbes, Associated Press, Washington Post

USA Community 2

RESULTS - "Happiness spreads more than Negativity"

Positive/Negative Sentiment Falloff

- The median sentiment of a negative network is actually, positive!
- Positive users have a more balanced in-out degree, while negative users have low in-degree, meaning they receive no replies



Keyword Falloff

- Positive keywords spread more than negative in the network.
- Of these keywords, supportive and religious sentiments tend to have the furthest reach.

