



A Systematic Approach to Analyzing Syndication of Viral News Stories

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PROBLEM STATEMENT

- Misinformation has become a normal occurrence in our interconnected society
- Media outlets further exacerbate this problem by blindly syndicating articles
- Tracing the propagation path of syndicated articles is a very tedious task

OBJECTIVE

- To create a system which automatically:
 - Identifies related articles
 - Clusters them together
 - Performs analysis on the associated metadata.

CONTRIBUTIONS

- Semi-automated search of related articles
- Classification of articles
- Identification of propagation path
- Analysis of various metadata features

FUTURE WORK

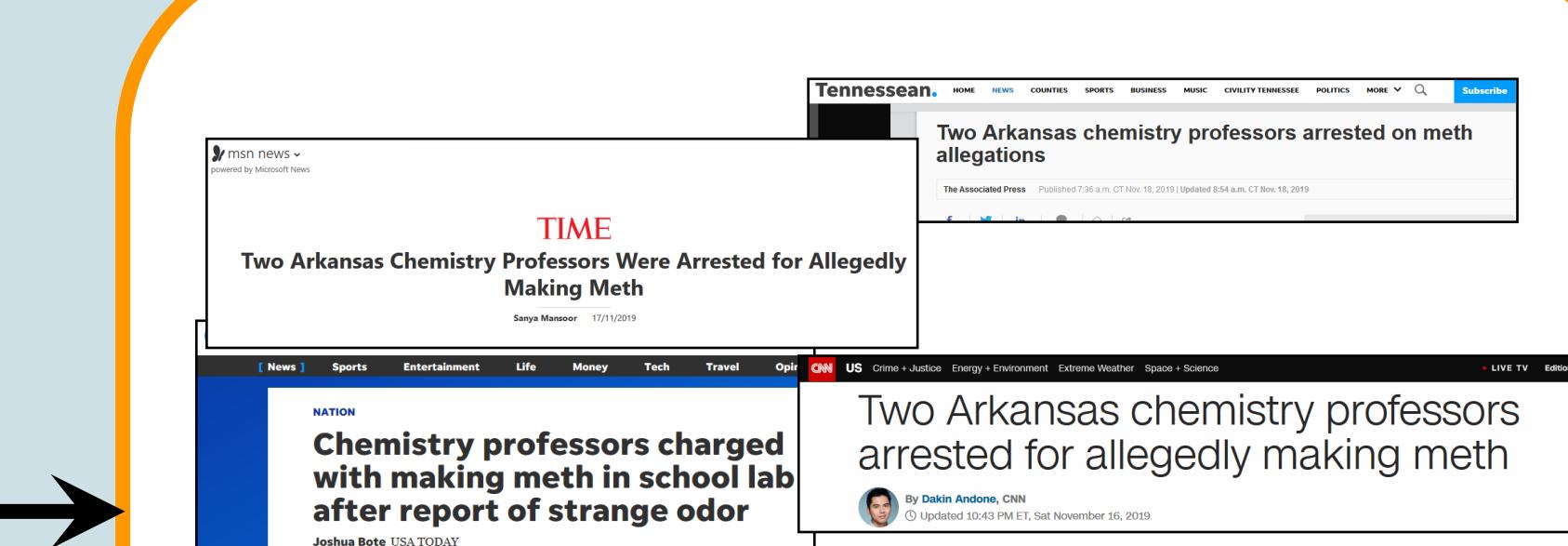
- Fully automate process
- Incorporate existing models on fake news detection
- Make code base open-source

METHODOLOGY

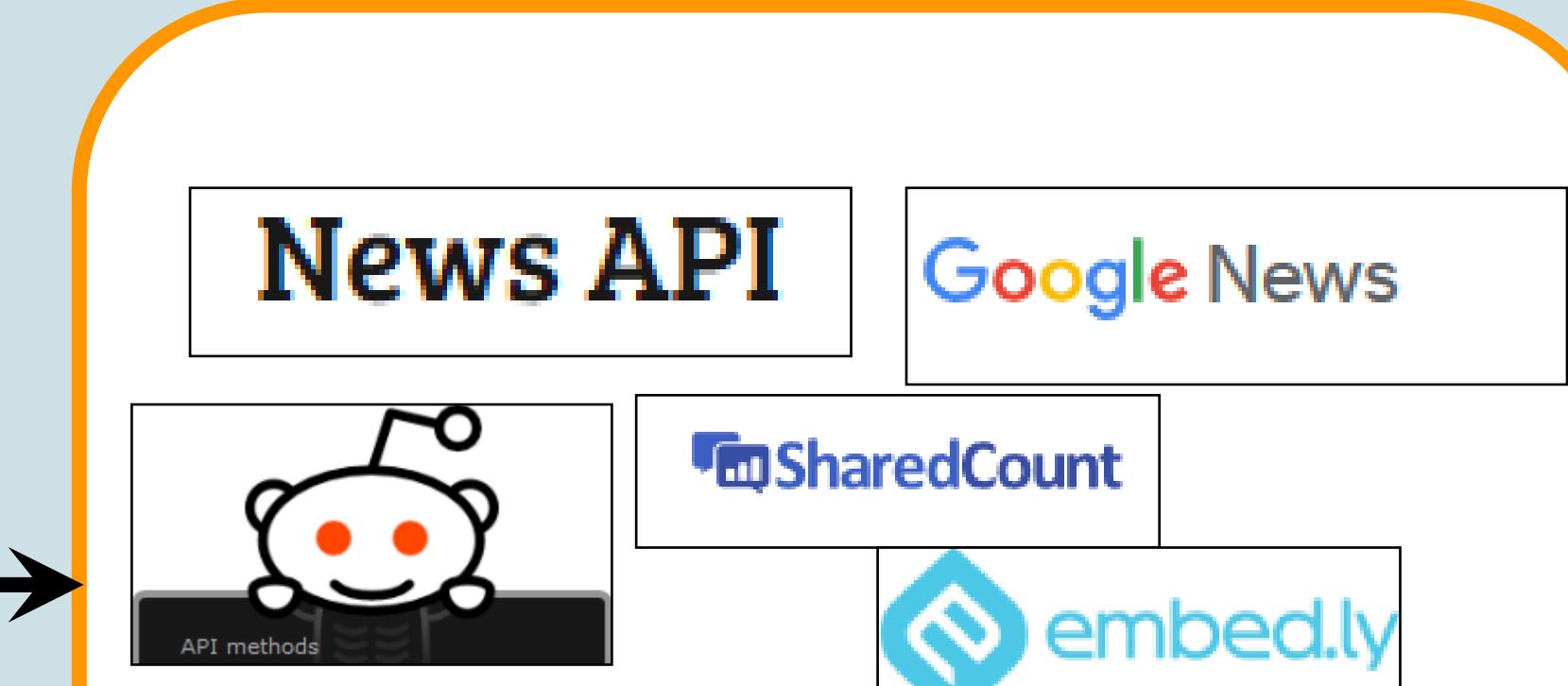
Stage 1 - Data Collection



Identification of Viral News

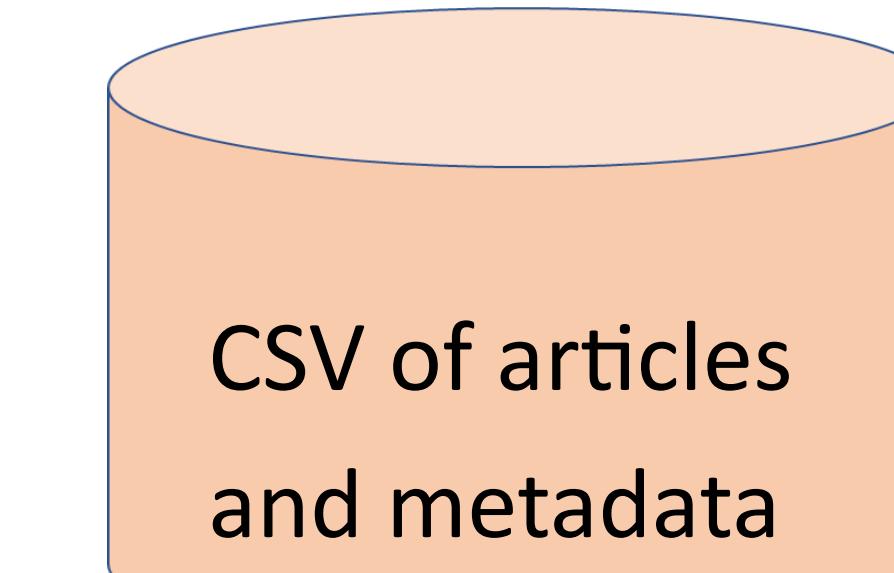


Gathering Similar Articles

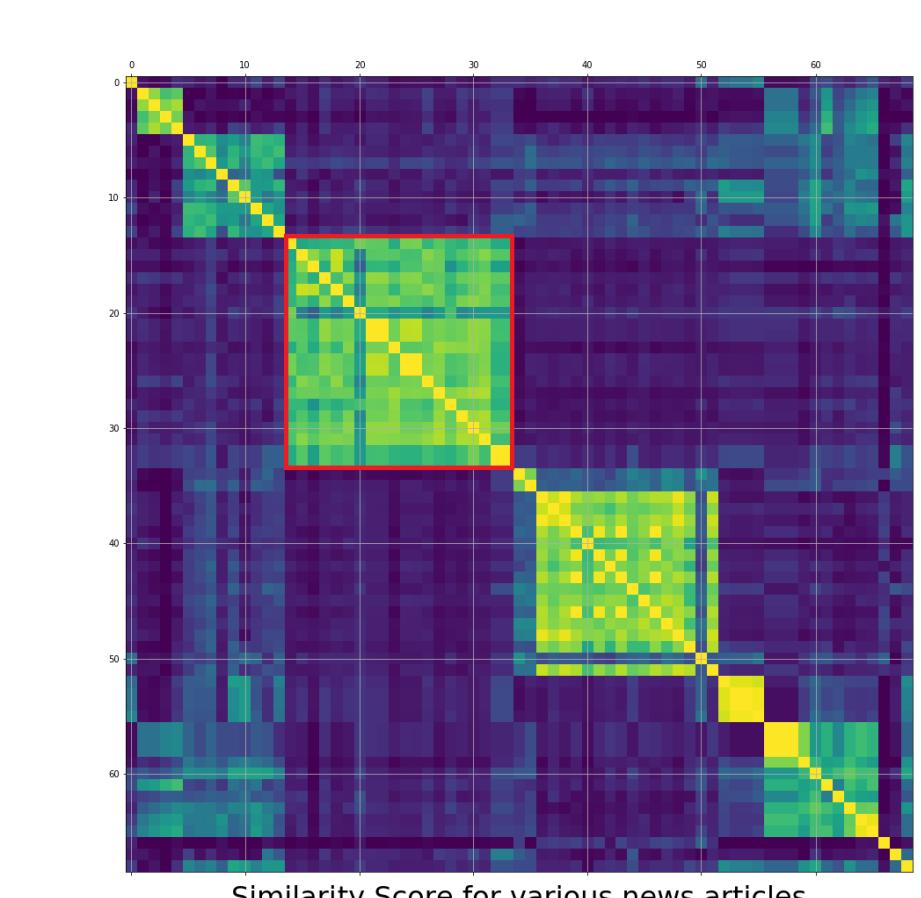


Web Scraping

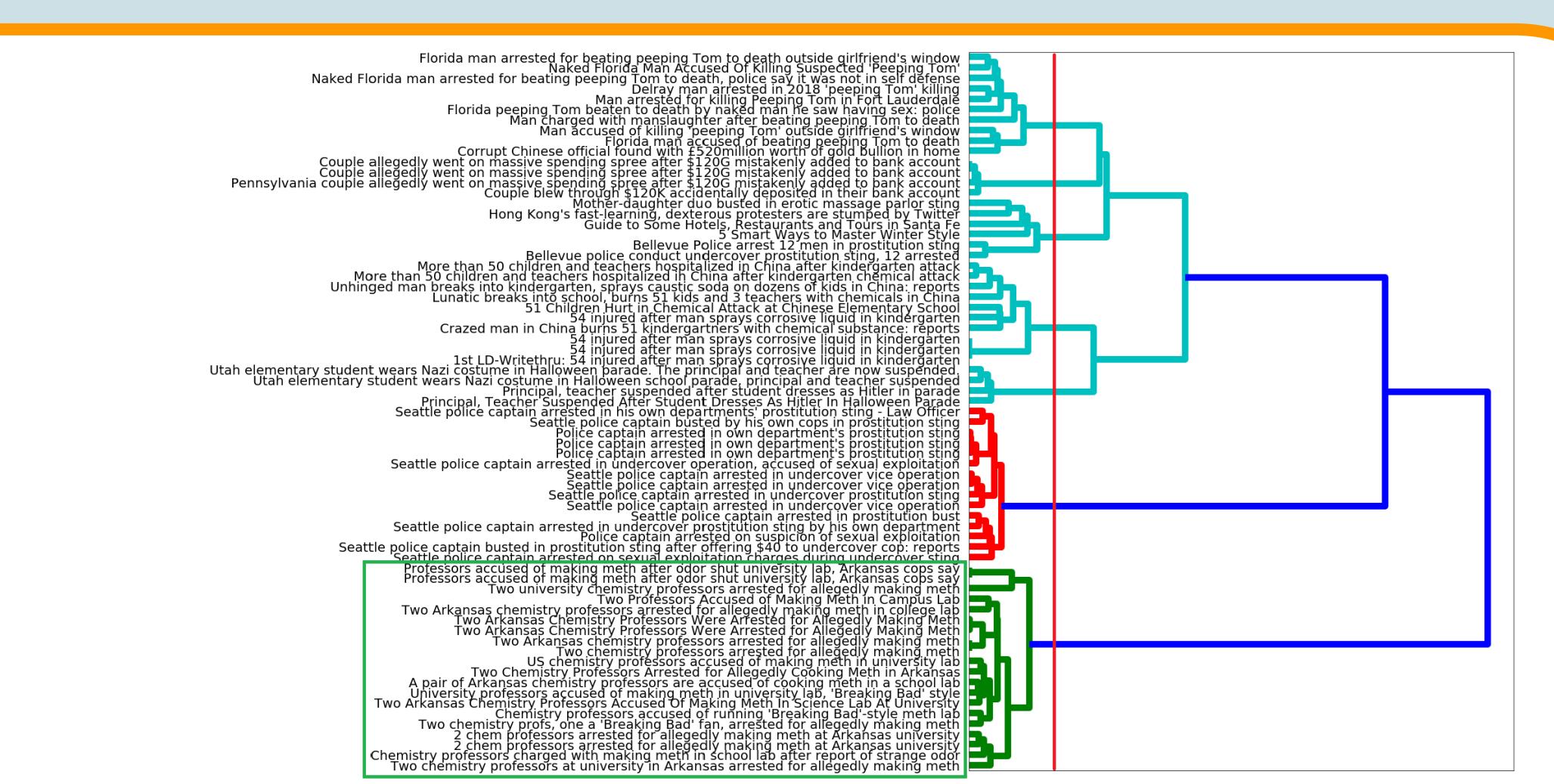
Stage 2 - Applying Machine Learning Techniques



Dataset Aggregation & Pre-Processing

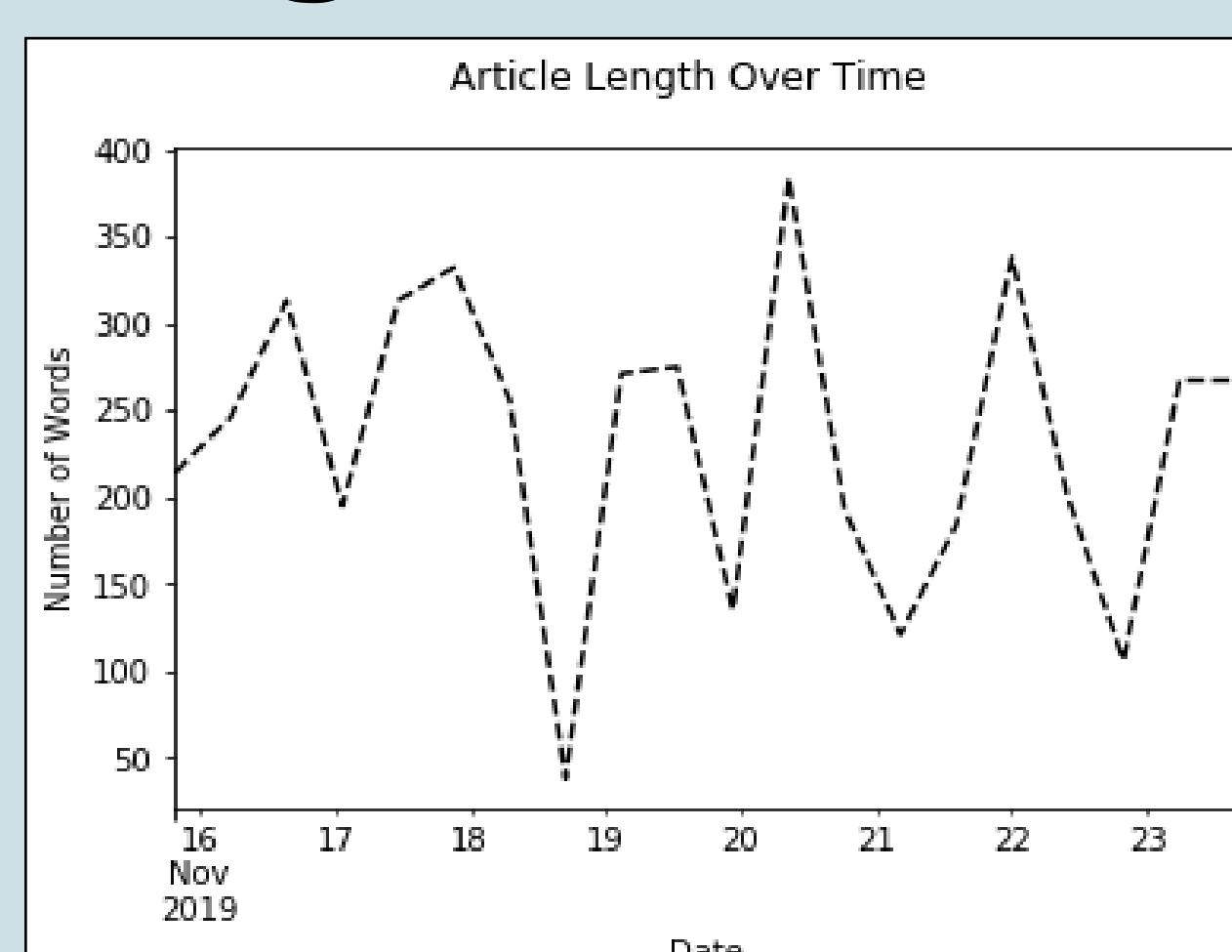
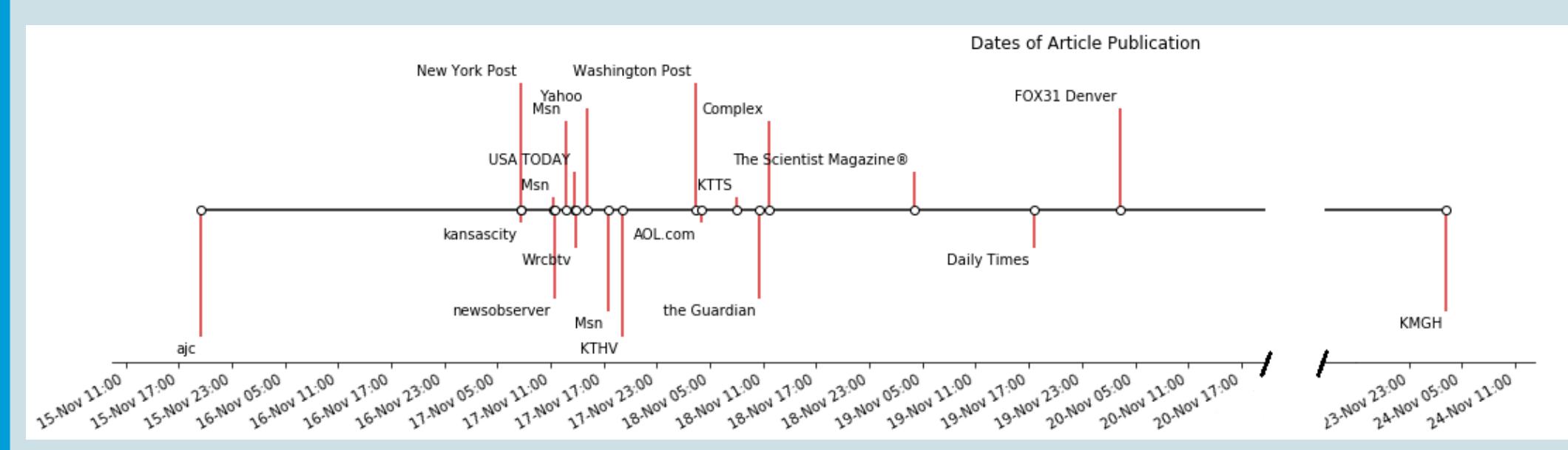


Similarity Score for various news articles



Clustering

Stage 3 - Data Analysis



Analyzing Propagation of Articles

