



# 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 codebase open-source

## METHODOLOGY

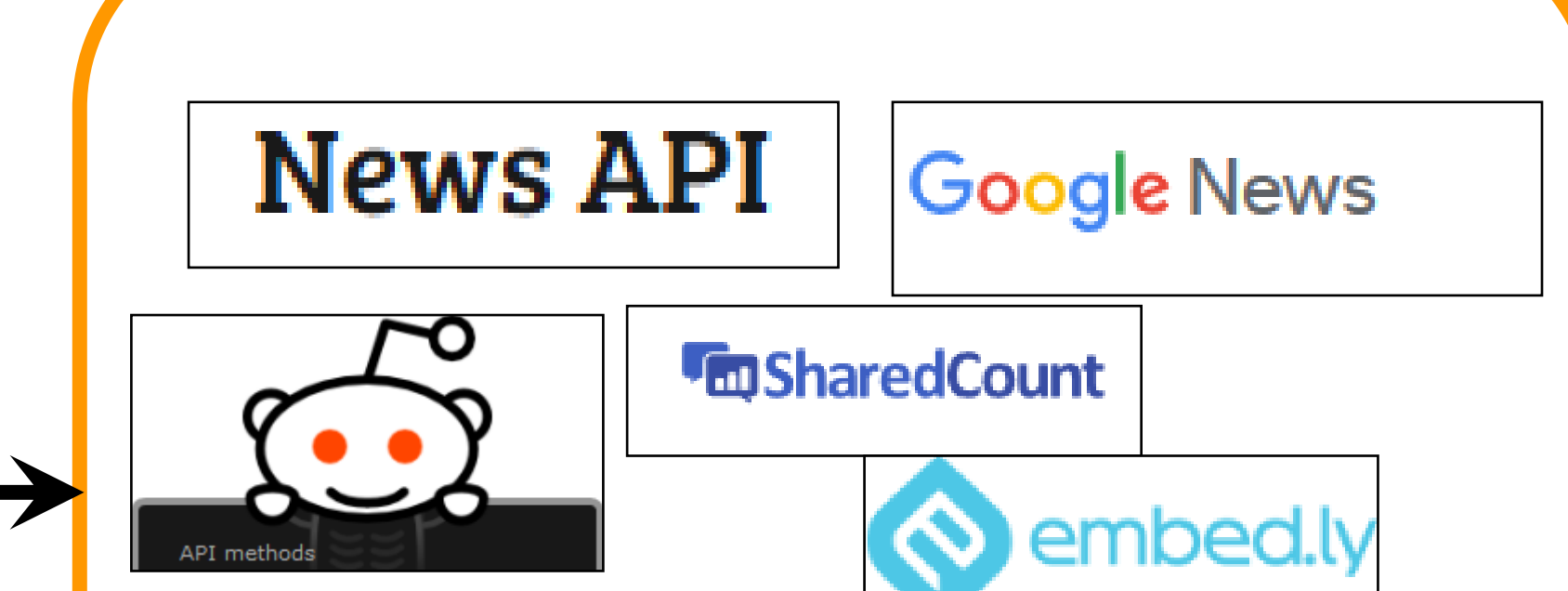
### Stage 1 - Data Collection



Identification of Viral News

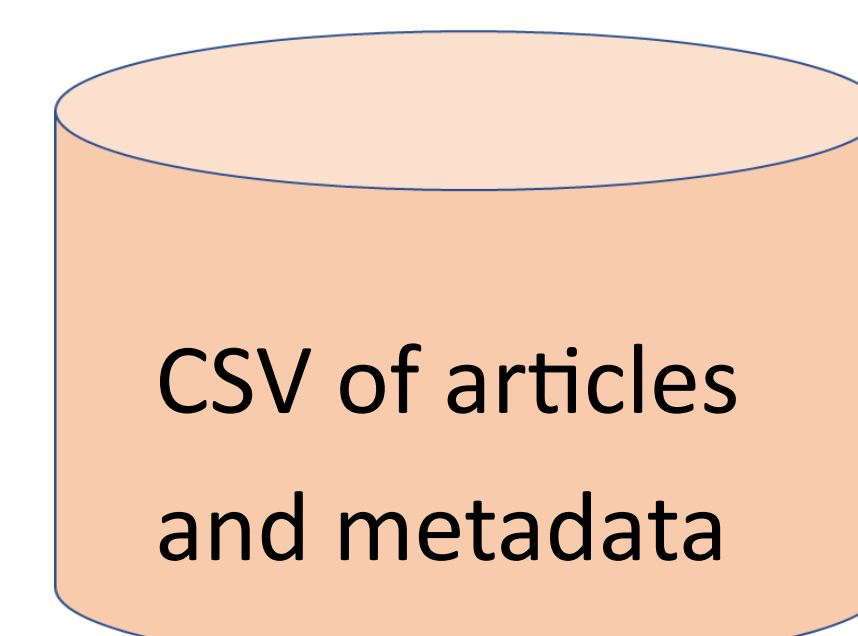


Gathering Similar Articles

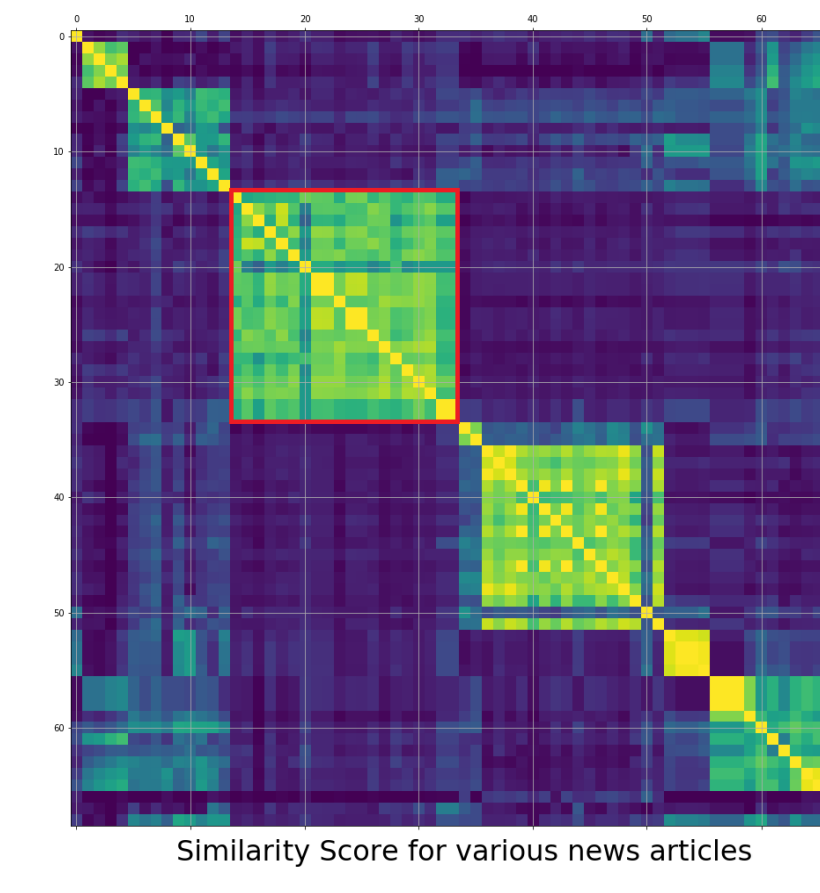


Web Scraping

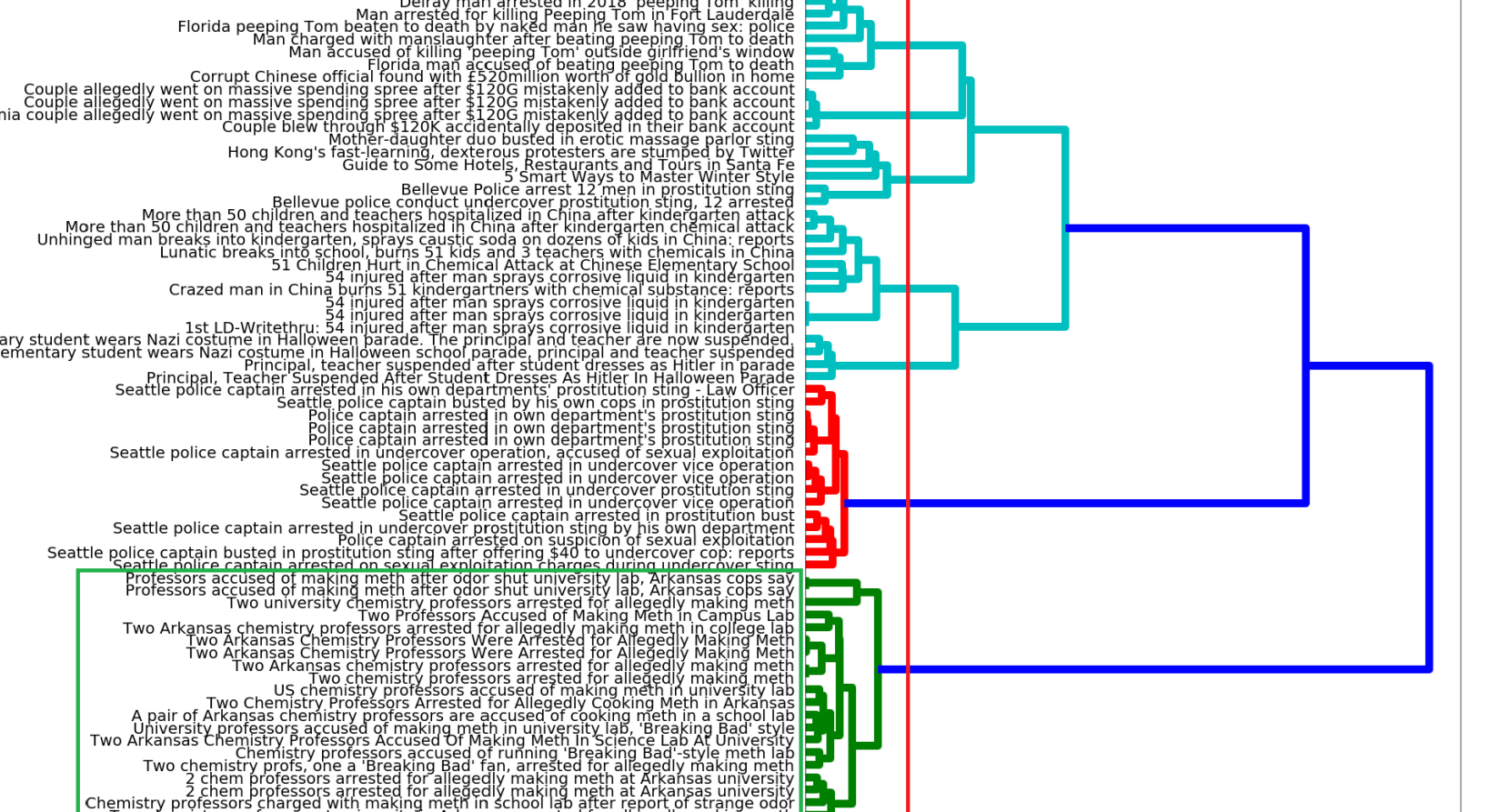
### Stage 2 - Applying Machine Learning Techniques



Dataset Aggregation & Pre-Processing

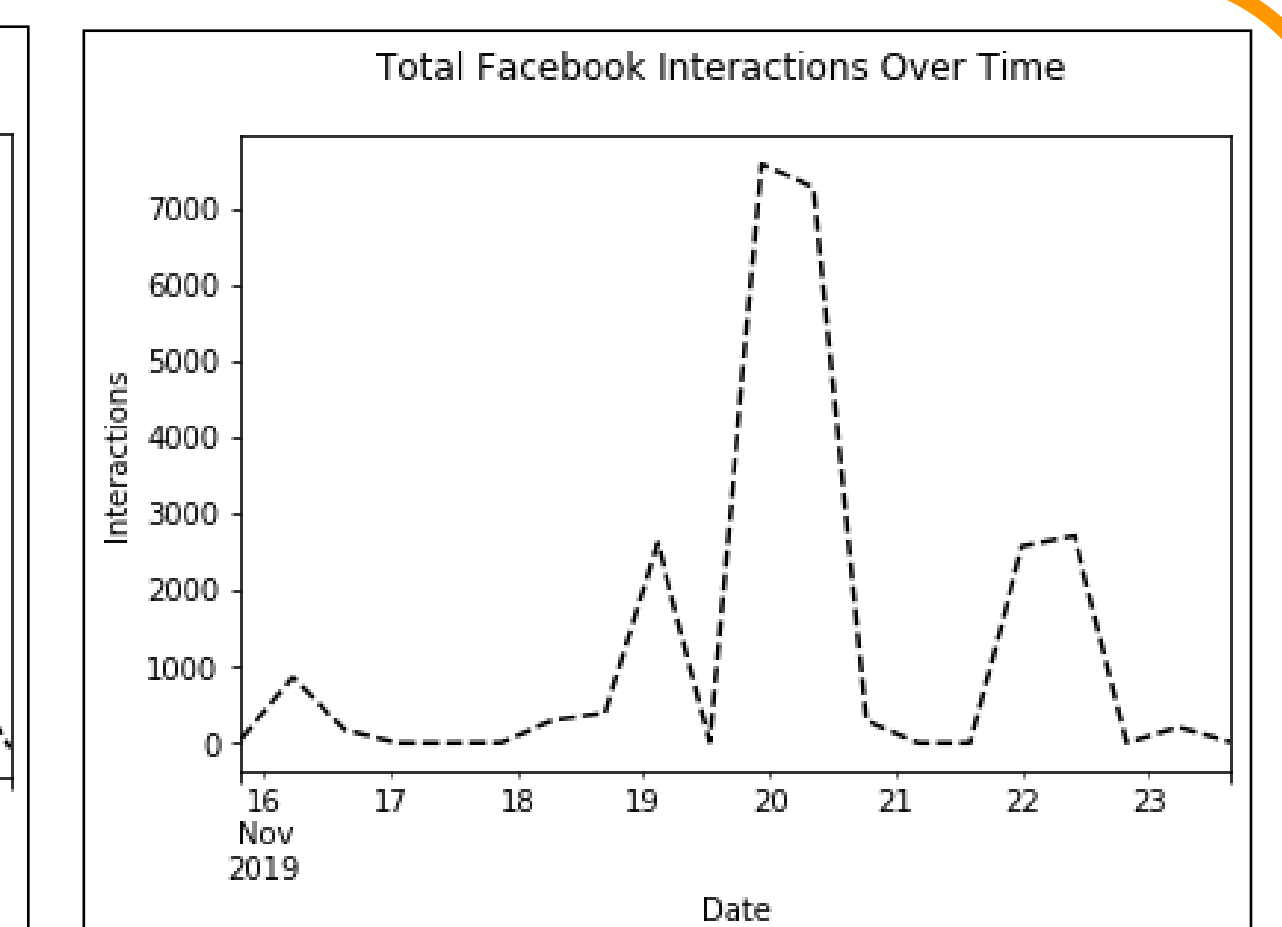
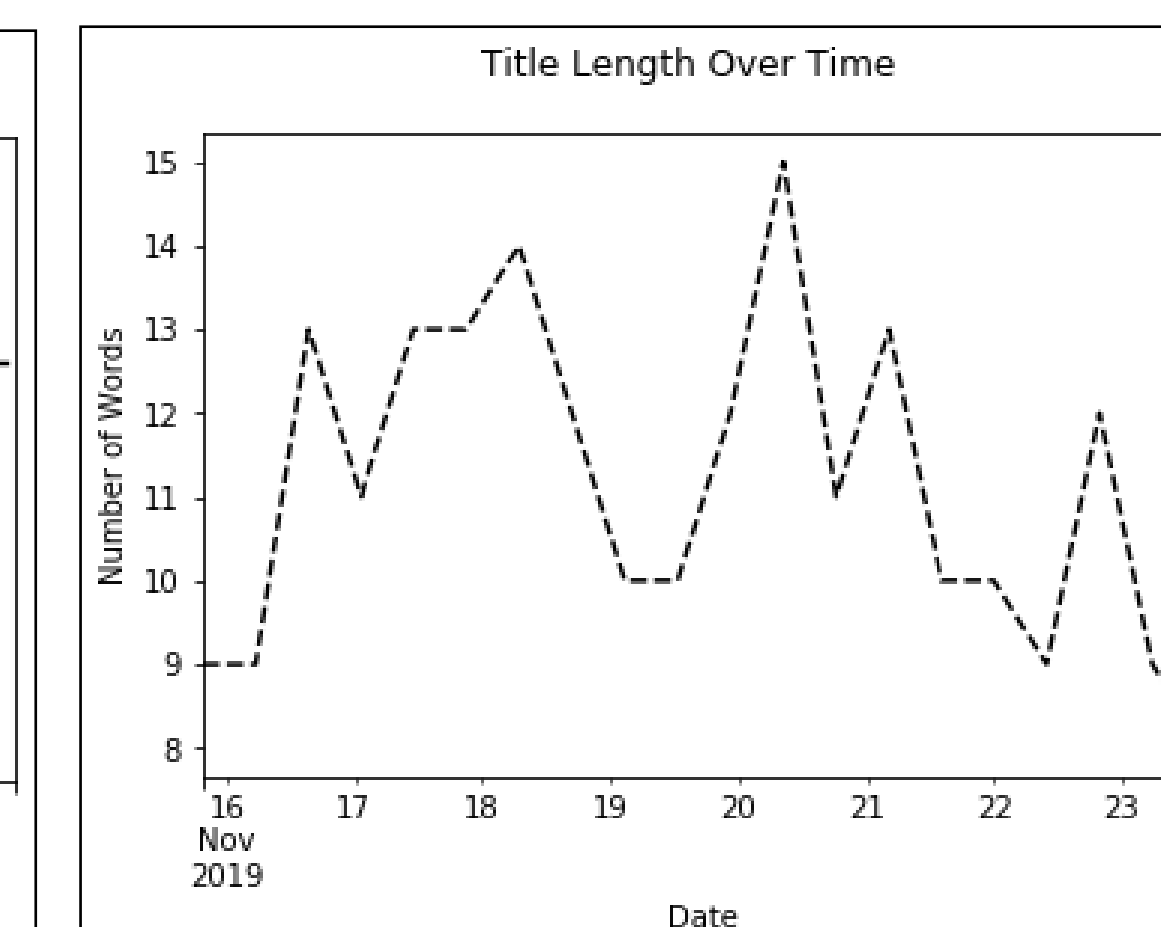
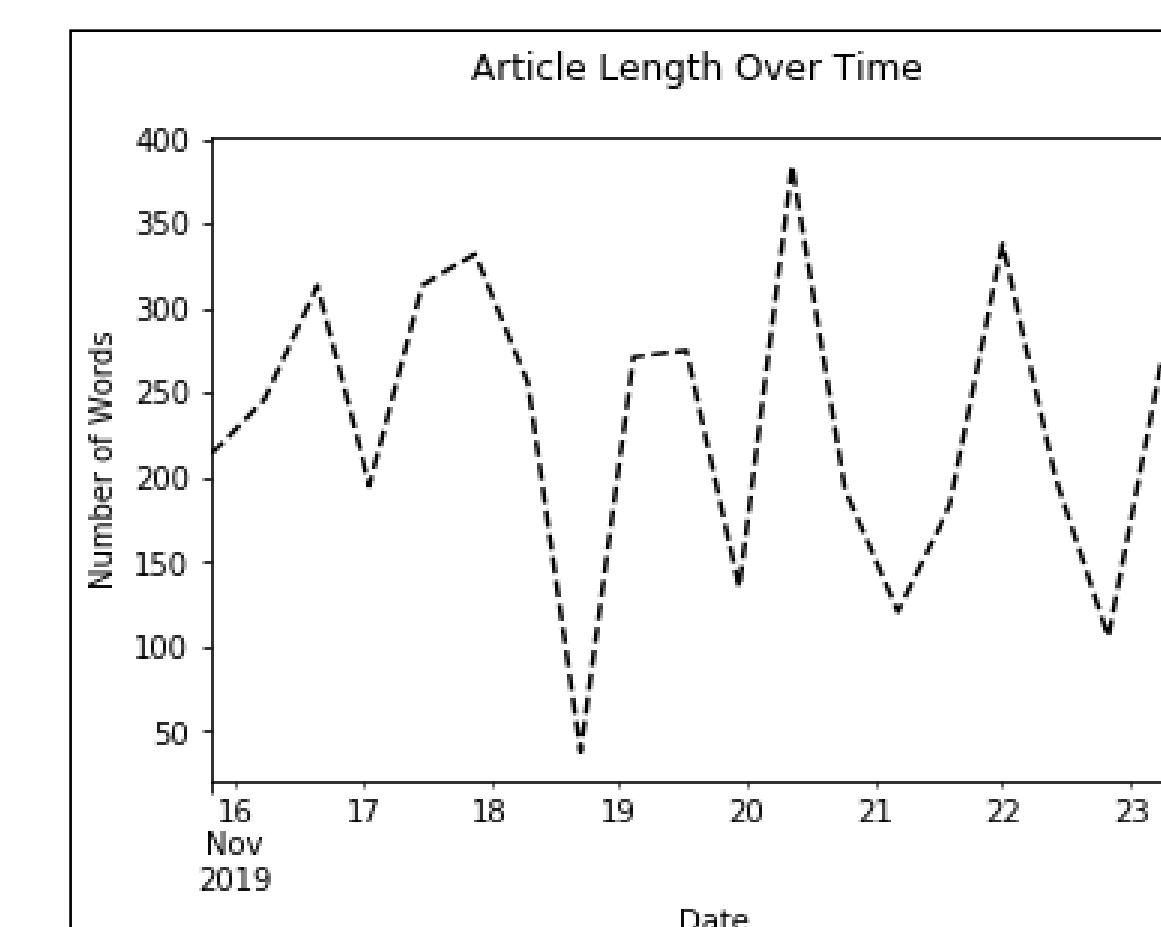
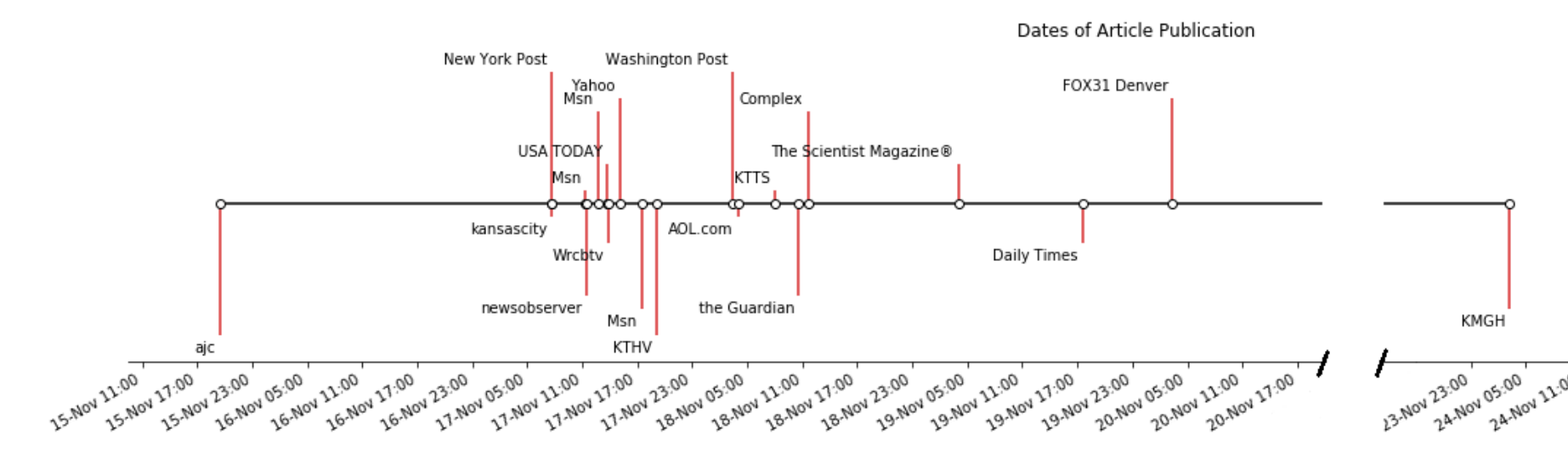


Similarity Score for various news articles



Clustering

### Stage 3 - Data Analysis



Analyzing Propagation of Articles