SUPPORTING MEDIA LITERACY

infobar

Internet Crisis

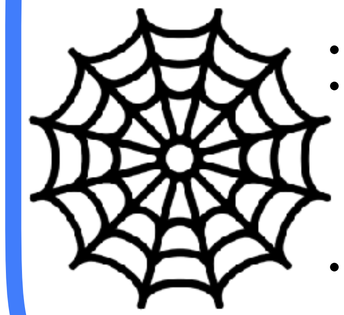
Proliferation of False Information on Social Media Platforms

Information Processing

Identifying key features for verifying media sources

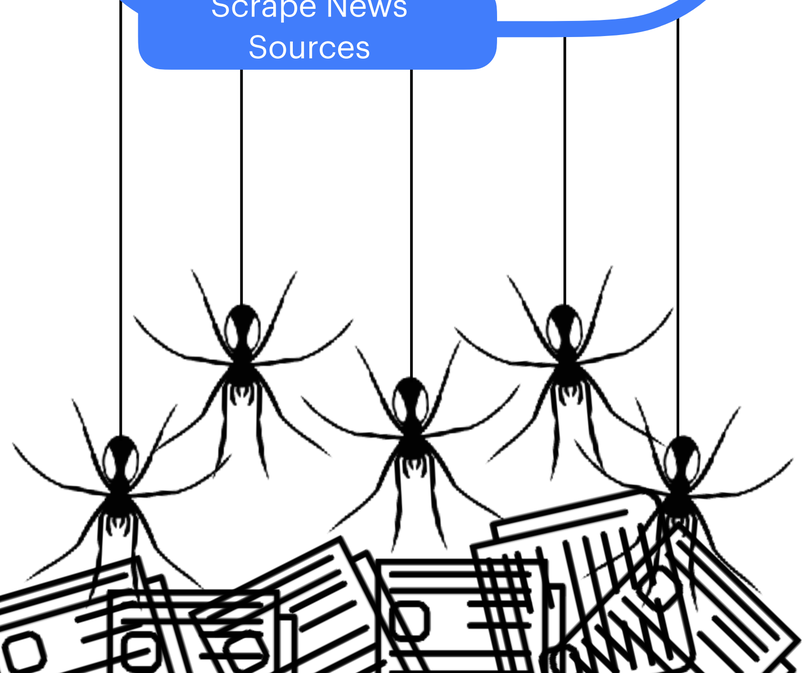
Methodology

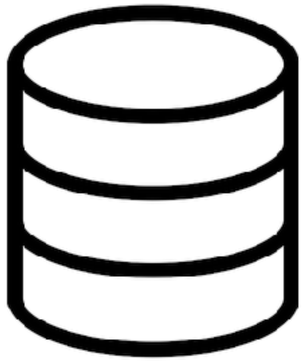
Scrapy



- 5 spiders
- Scraping major news websites:
  - CNN, NYTimes, NBC, Breitbart, Fox News
- Every 5 minutes

Scrape News Sources





- PostgreSQL
- Cloud Hosted
- Heroku Platform
- Unique article constraints

Cloud Database

User Input

- Any article
- Any media source

Web App

- Valence
- Subjectivity
- Summary
- Keywords

NLP Output

Metrics

- The database is checked for unique entry
  - If the article is not already in the database:
    - Article Text is downloaded (Newspaper)
    - Sentiment is analyzed (VADER)
    - Subjectivity is calculated (TextBlob)
    - Summary and keywords are generated (Spacy)
- The processed information is returned to the user

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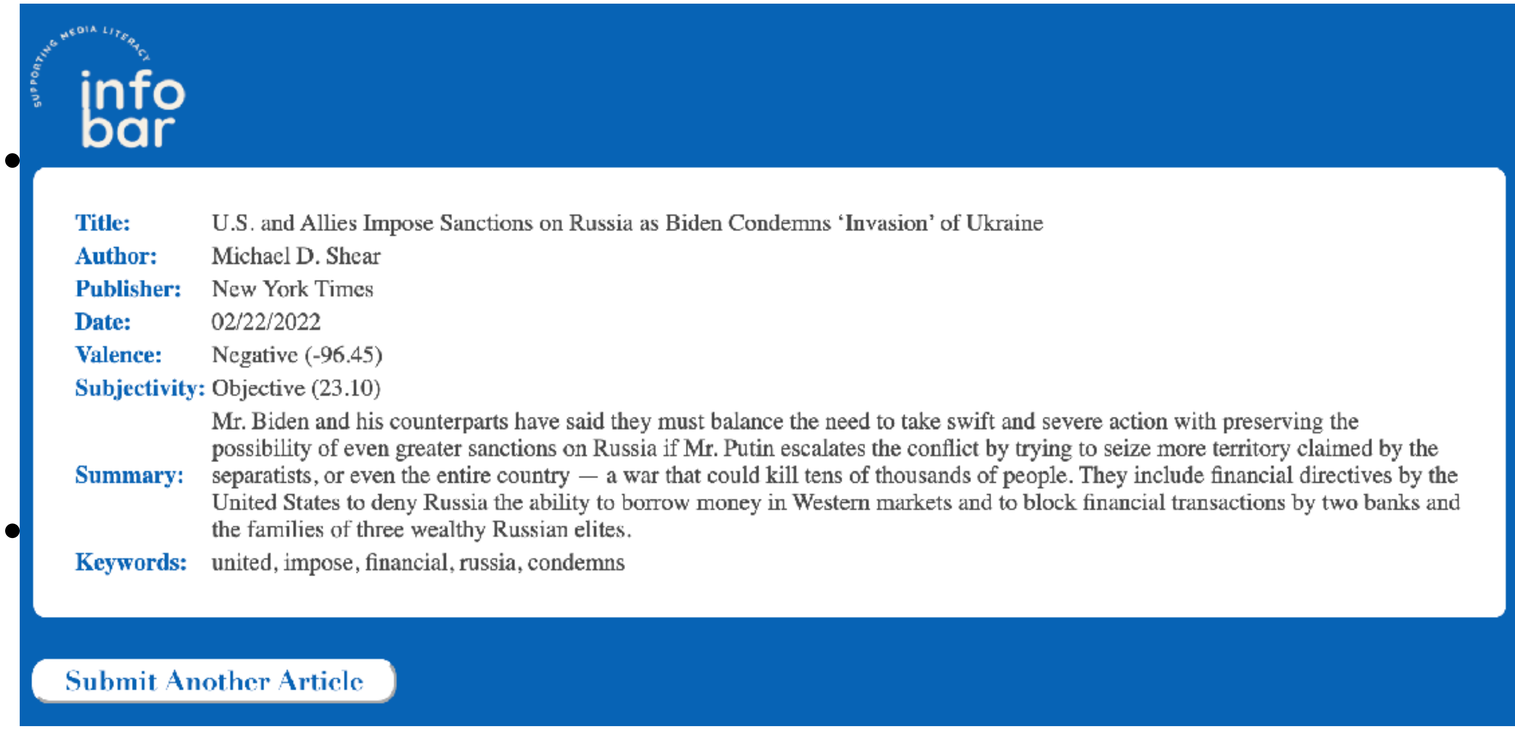
info bar
enter your article url here:
submit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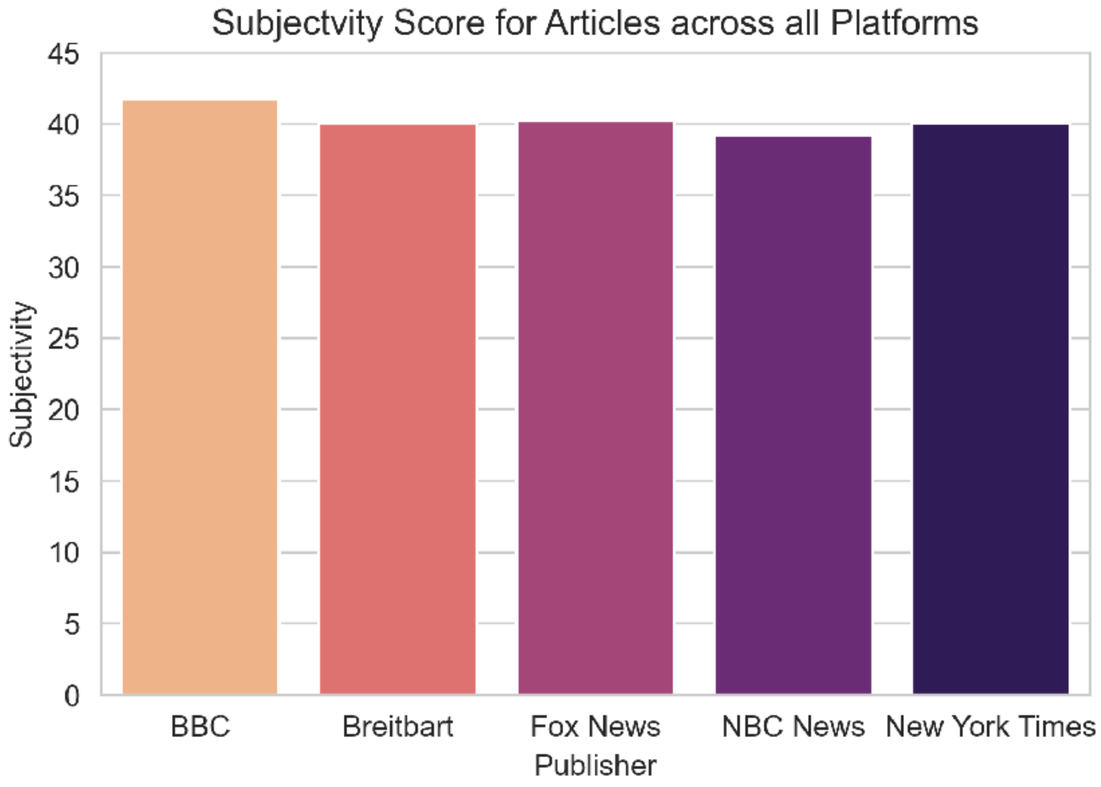
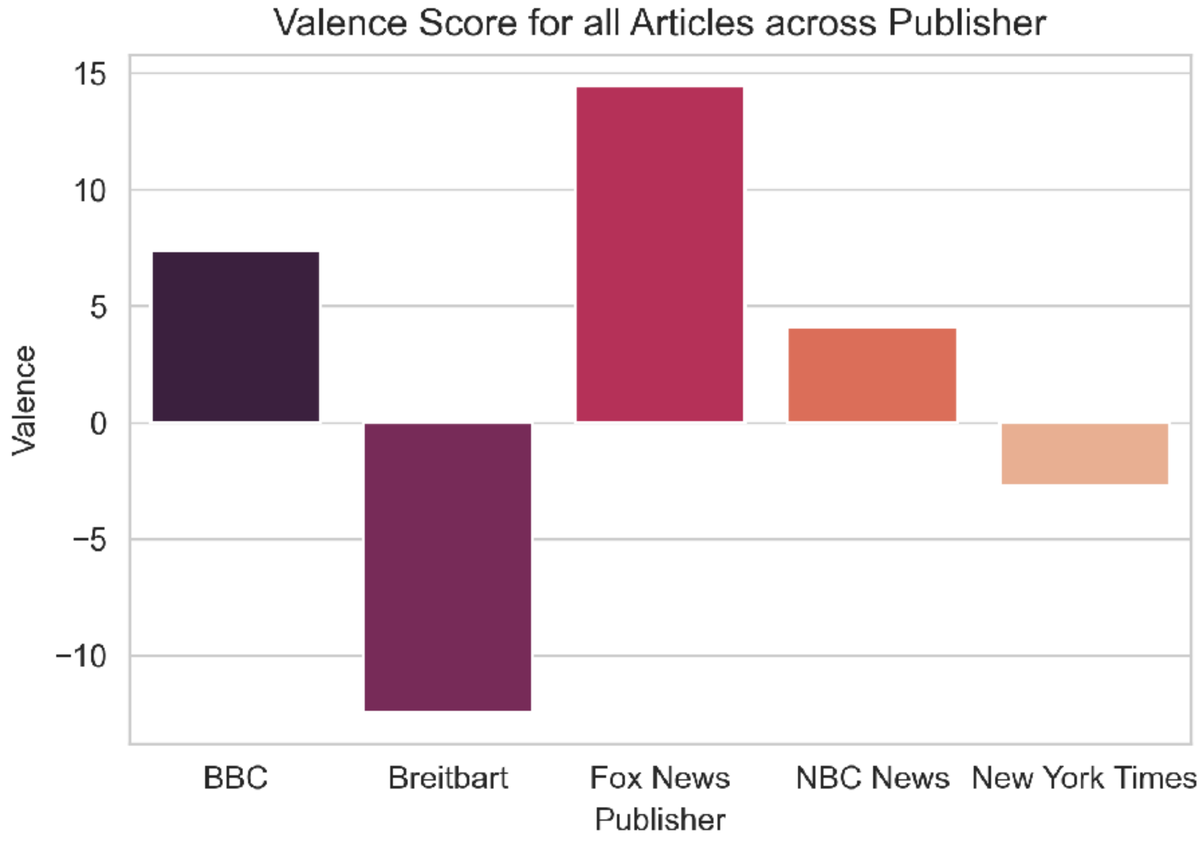
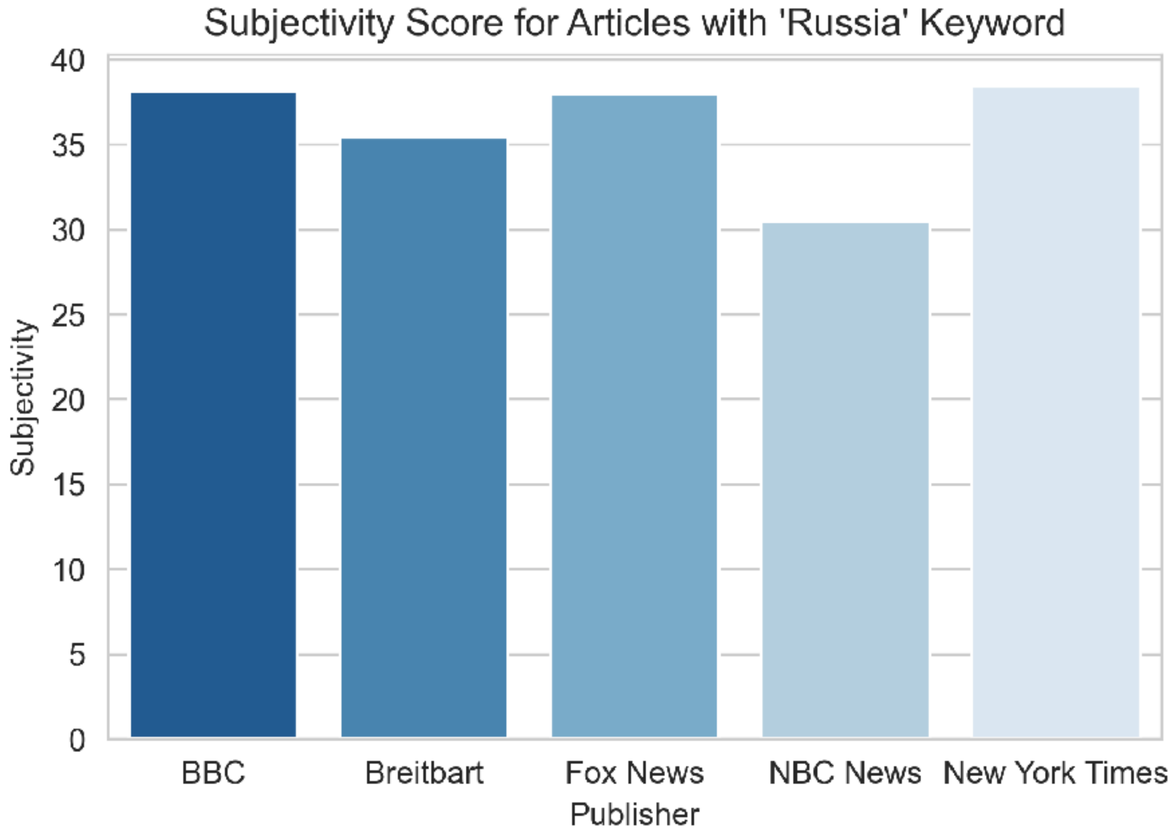
info bar
Title: U.S. and Allies Impose Sanctions on Russia as Biden Condemns 'Invasion' of Ukraine
Author: Michael D. Shear
Publisher: New York Times
Date: 02/22/2022
Valence: Negative (-96.45)
Subjectivity: Objective (23.10)
Summary: Mr. Biden and his counterparts have said they must balance the need to take swift and severe action with preserving the possibility of even greater sanctions on Russia if Mr. Putin escalates the conflict by trying to seize more territory claimed by the separatists, or even the entire country — a war that could kill tens of thousands of people. They include financial directives by the United States to deny Russia the ability to borrow money in Western markets and to block financial transactions by two banks and the families of three wealthy Russian elites.
Keywords: united, impose, financial, russia, condemns
Submit Another Article

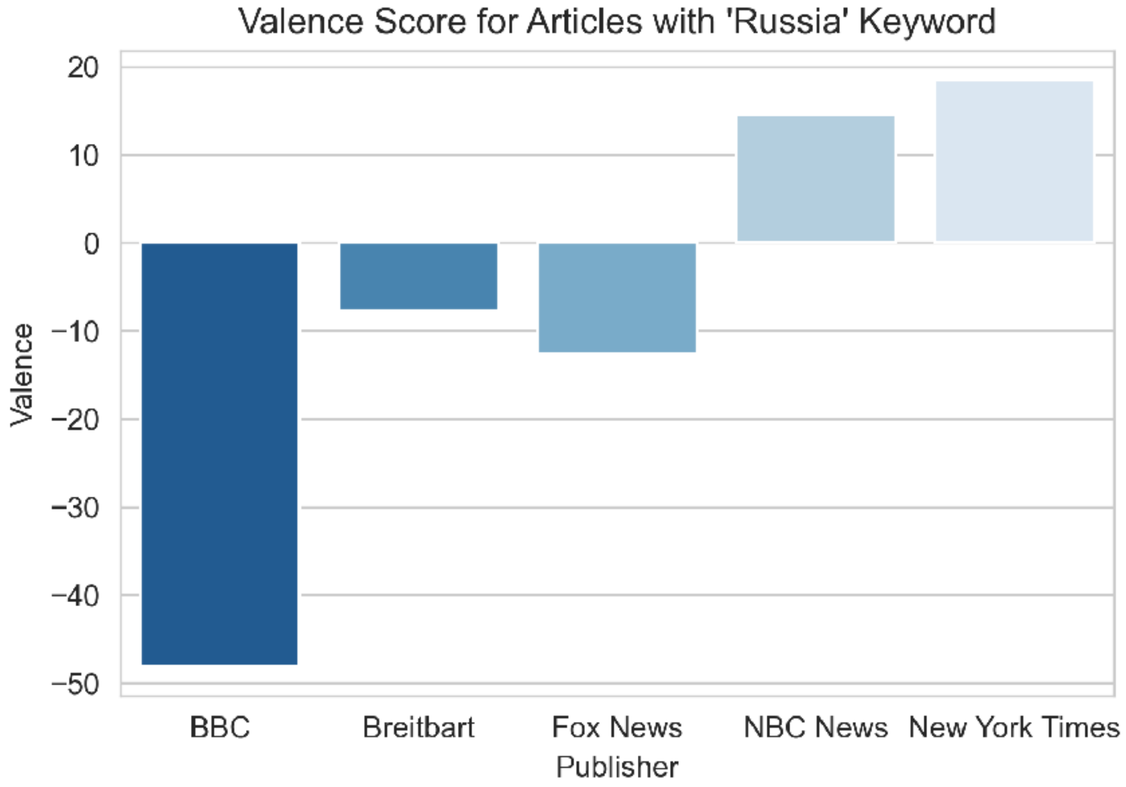
article metrics



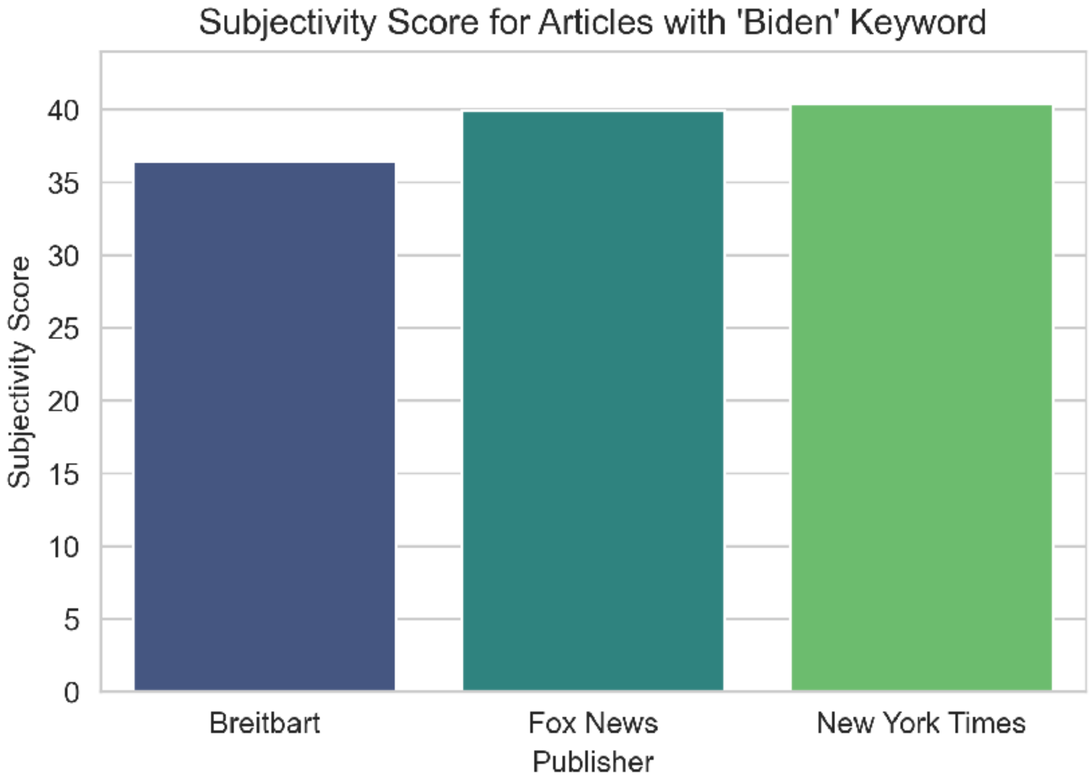


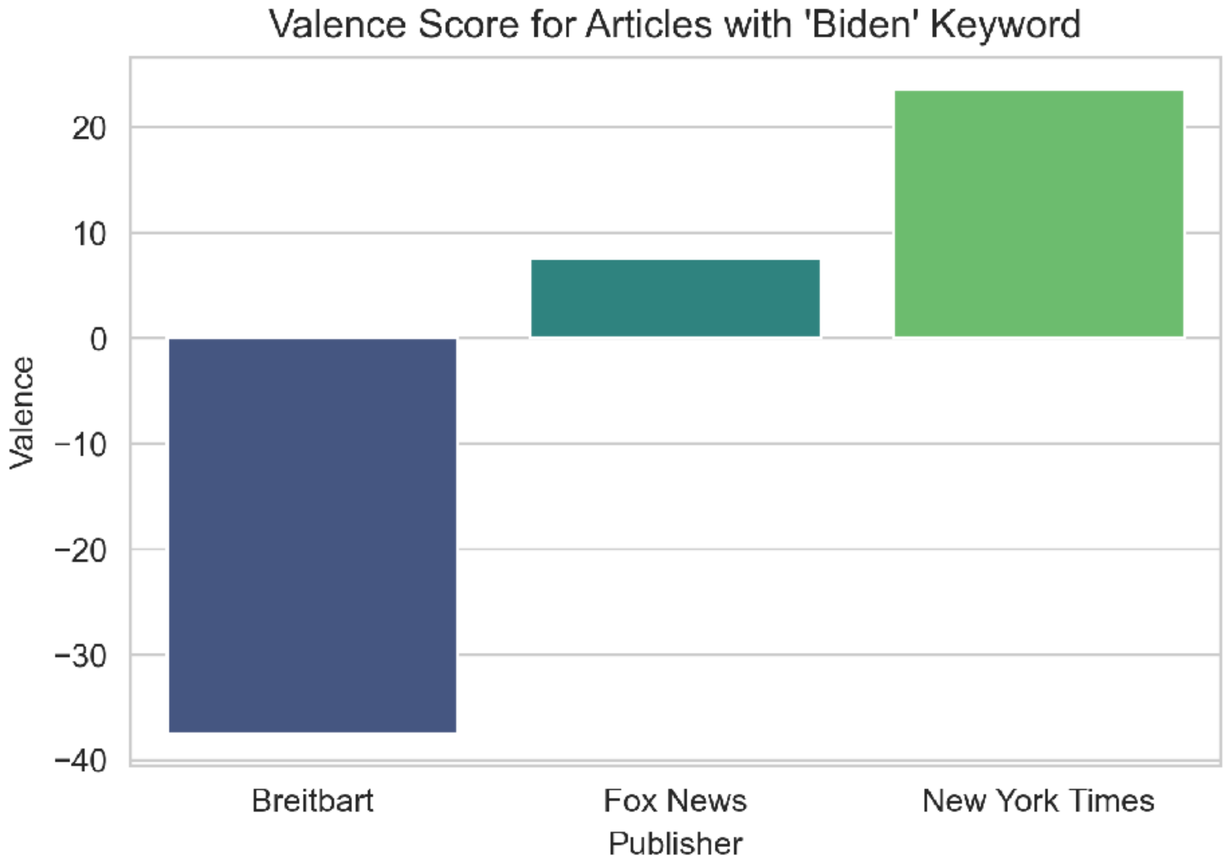


'russia' metrics



'biden' metrics





Next Steps

- Exaggerated Language Classifier (HYPO)
- Article Recommender
- Metrics by publisher