

Measuring Bias in COVID-19 News Articles

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1 Research Question

```
knitr::opts_chunk$set(echo = TRUE)
```

2 Data Cleaning

2.1 GNews API

2.2 Web Scraping

3 Exploratory Data Analysis

3.1 Sentiment Analysis

4 Topic Modeling: Latent Dirichlet Distribution

5 Classification

5.1 Logistic Regression

5.2 Random Forest

5.3 Naive Bayes

5.4 Support Vector Machine

5.5 Gradient Boosting Machine

5.6 Bayesian Additive Regression Trees

6 Results