Can we tell the political leaning of the news using text mining techniques?

Use labeled bias news feed to learning the pattern of different type of news and try to classify the political leaning based on context. Given some news feed, I want to analyze its words and content trying to catch the political bias information inside it.

2-3 liberal news webpage(<https://www.nytimes.com>, <https://www.latimes.com> ) and 2-3 conservative news webpage( <https://www.foxnews.com>, <https://www.nationalreview.com> ) based on news bias research done by Boston university. Because the effectiveness of data is important, I will use limit the content to COVID-19(searching result on these news site of Covid-19) related news by media since the reports about it are much more likely to contain bias than usual news. I plan to crawl about 1000 articles from each site.

A report about the features about news from different sides and software package that can be used to predict if this piece of news is from a liberal media or conservative one.

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