

News

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GitHub Portfolio: [knmoses.github.io](https://github.com/knmoses)

Which Domain?

The dataset was found on Kaggle.com and focuses on fake vs real news. This can be thought of as fraud detection in some ways.

Bellemare, A. (2019, July 05). The real 'fake news': How to spot misinformation and disinformation online | CBC News. Retrieved from <https://www.cbc.ca/news/technology/fake-news-misinformation-online-1.5196865>

Davis, W. (2016, December 05). Fake Or Real? How To Self-Check The News And Get The Facts. Retrieved from <https://www.npr.org/sections/alltechconsidered/2016/12/05/503581220/fake-or-real-how-to-self-check-the-news-and-get-the-facts>

Elliott, C. (2019, February 21). Here Are The Real Fake News Sites. Retrieved from <https://www.forbes.com/sites/christopherelliott/2019/02/21/these-are-the-real-fake-news-sites/>

Fake News, Propaganda, and Misinformation: Learning to Critically Evaluate Media Sources.: Infographic: Spot Fake News. (n.d.). Retrieved from https://guides.library.cornell.edu/evaluate_news/infographic

Graham, D. (2019, June 12). Some Real News About Fake News. Retrieved from <https://www.theatlantic.com/ideas/archive/2019/06/fake-news-republicans-democrats/591211/>

McCarthy, N., & Richter, F. (2016, December 09). Infographic: Most Americans Believe Fake News Headlines. Retrieved from <https://www.statista.com/chart/7153/most-americans-believe-fake-news-headlines/>

McClure, L. (2017, January 23). How to tell fake news from real news. Retrieved from <https://blog.ed.ted.com/2017/01/12/how-to-tell-fake-news-from-real-news/>

Northern Essex Community College. (n.d.). Fake News vs. Real News: Tips for Evaluating Information. Retrieved from <https://library.nwacc.edu/fakenews/evaluating>

Pierce College. (2020). FAKE NEWS vs. REAL NEWS: How to Determine the Reliability of Sources: Fake News. Retrieved from <https://library.piercecollege.edu/c.php?g=598055>

University of New Hampshire. (n.d.). Fake News, Misleading Information, and Evaluating Sources: Problem. Retrieved from <https://libraryguides.unh.edu/fakenews>

Which Data?

The dataset is located at <https://www.kaggle.com/clmentbisaillon/fake-and-real-news-dataset>. The data is separated into two different sets, fake and real. Each set contains titles, text, subjects, and dates of news articles from 2015-2018.

Research Questions? Benefits? Why analyze these data?

How are you proposing to analyze this dataset? This is about your approach. Here, you'll be proposing your research questions as well as justifications for why you'd offer these data in this way.

- What news is fake and what is real?
- Why is it important to be able to recognize the difference?
- What are some key factors in being able to make the decision between the two?
- How can they be separated and what can be done to better distinguish the two?

The data will be reviewed to detect any patterns throughout each of the false and true datasets. I will combine and clean each dataset to have the most up to date and easily readable information to use. In addition, research will take place for my understanding and see if I can better tell the difference between fake and real news.

What Method?

I will try a variety of different methods to explore and analyze the datasets information to determine the best outcome of if an article is fake or real. I will additionally create visuals to compare the variables with each other.

- Exploratory Data Analysis
- Visualization
- Text Classification

Potential Issues?

- Finding additional datasets and having too much data as well as the opposite of not enough
- Opinions
- Having to determine for myself the quality of the information that I use from my resources
- There are many factors to throw me off schedule including daily activities and challenges as well as not having the pieces for each milestone at the right time.

Concluding Remarks

I question a lot of news articles that I open to read daily. Each person has their own views and can take what they read with a grain of salt, although, we want to have the true facts. With all that is happening in the world today and in recent years, there seems to be always something to question. It is important to be able to detect the different types of news available and get our facts correct. With the outcome of this project, I am hoping to be able to identify the fake articles from the real ones.