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Fake News or Stories Detector

As elections are around the corner and many candidates are announcing themselves, the jobs of journalists and media has increased, and many will be fake or fabricated. Building a learned AI project that will detect words that make the stories fake. Hoping for a 60% accuracy. Question will answer simply if story is fake or not.

Data Science Tasks:

Classification

Data learning and prediction

Visualization of prediction accuracy.

Data will be selected from New articles around from the web. Hoping to find a specific hub to get good data for training set. Will use some news articles from known media outlets to test and ultimately use some news articles from Ghana to test as well for diversity and to test if fake news is primarily similar in different countries or not. Web Scraping will primarily be my data source for training and testing.

Analyzing data will be done with a word embedding matrix that will be created with some help from research.

Anticipated difficulties will lie in codes as I am a beginner in coding but hopefully there will be some help available with embedding matrixes that can be garnered to help. I also expect that I will not be able to get a 100% accuracy since there are many ways to make a fake article sound authentic that I may not have trained my matrix to detect. Hoping to get as much as needed, thus needing a lot of data which might be difficult to get.

Timeline (8 weeks Project)

Wk1: Get project details and proposal, look at some algorithms to see if topic is feasible. Find examples of other pretrained word embeddings for insight as to what I should be looking out for.

Wk2: Scrape data, save data, Search for possible complexities that can be encountered with data

Wk3: Train Data algorithm build and explorations

Wk4: Test Data start

Wk5: Test More Data and compare for accuracies

Wk6: Discuss detections and findings. If any snugs are hit at this point, will go back to scraping more data

Wk7: Prepare visualizations for presentation

Wk8: Present and discuss indings