



Fake news classification



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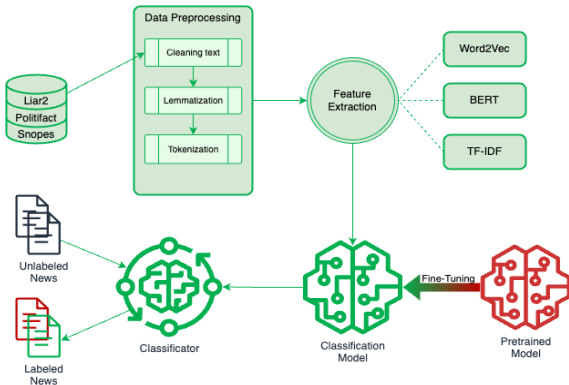
BACKGROUND:

- Fake news has emerged as a critical issue in the digital age, spreading misinformation at an unprecedented scale. Detecting fake news is essential to safeguarding public trust and combating its harmful effects
- In this project, we utilize multiple datasets containing 67812 articles to develop a robust classification approach

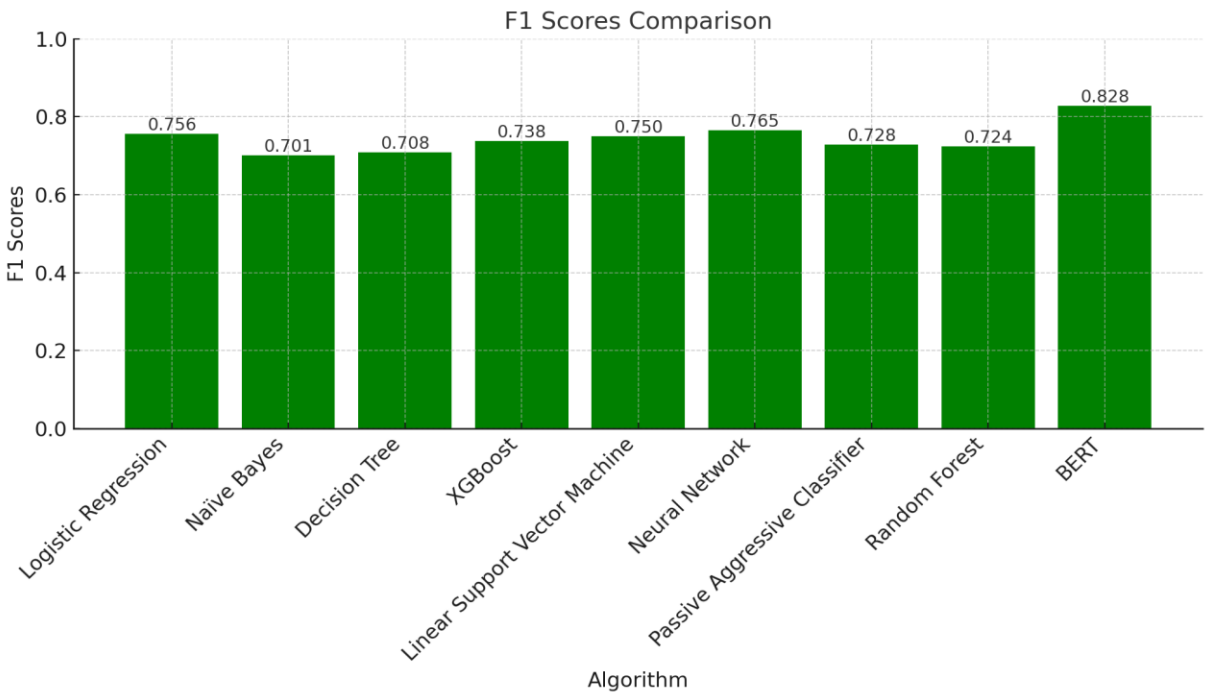
The word cloud below highlights frequent terms associated with fake news:



METHODS:

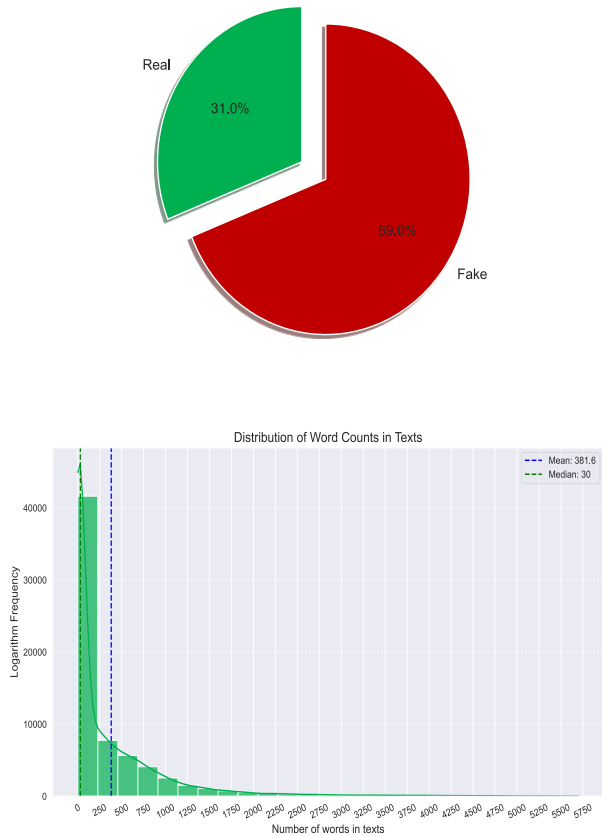


After training and testing with the dataset, **BERT** outperformed other models with the highest F1 score, showcasing its ability to capture complex patterns in text, especially for classification tasks.



Future work: the overall scores are moderate due to the inherent challenges of processing and classifying nuanced news data.

ORIGINAL DATASET VISUALIZATION:



DATA REFERENCES:

