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Fake News Detection using Machine Learning

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Abstract: *In our modern era where the internet is global, everyone relies on various online resources for news. Along with the increase in the use of social media platforms like Facebook, Twitter, etc. news spread rapidly among millions of users within a very short span of time. The spread of fake news has far-reaching consequences like the creation of biased opinions. The project demonstrated for detecting the fake news. The dataset was provided by the company. Here I am performing binary classification of various news articles available online with the help of concepts pertaining to Artificial Intelligence, Natural Language Processing and Machine Learning. Using decision tree classifier provides the ability to classify the news as fake or real.*

In this project different feature engineering methods for text data has been used like Bag of words model and word embedding model which is going to convert the text data into feature vectors which is sent into machine learning algorithms to classify the news as fake or not. With different features and classification algorithms we are going to classify the news as fake or real and the algorithm with the feature which gives us the best result with that feature extraction method and that algorithm we are going to predict the news as fake or real

Keywords: News Identification dataset, Deep Learning, Machine Learning, Classification

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