A NOVEL INTELLIGENT APPROACH TO DETECT FAKE NEWS FROM SOCIAL MEDIA

Besides positive & beneficial aspects of social media like facilitating information sharing & co-creativity, there are almost threats and risks that specifically affect young users. Fake news impersonation about events and news are such threats. From the last few years, the use of social media has increased resulting into the rise of fake news and their spreading on a large scale. Recent political events have increased the spread of fake news. Fake news, deceptive information, and conspiracy theories are part of our everyday life. It is really hard to distinguish between false and valid information in many cases. As contemporary people receive the majority of information from electronic publications, in many cases fake information can seriously harm people's health or economic status on social media. As seen by the widespread impact of the huge beginning of fake news, people are inconsistent in the absence of effective fake news detectors. There are quite a few methods employed for the discrimination of fake and valid information but none of them produces better result with accuracy.

I propose a study that applies a data augmentation process to each dataset using the back translation method to reduce the class imbalance. tests are conducted to determine the impact and the result shows a positive effect. Several approach such as CNN, Logistic regression, Naïve based classification, decision tree, Bi-directional LSTM were evaluated using different datasets on this context several constraints such as accuracy and classification are there. Based on this analysis I propose a Novel Intelligent approach for identification of fake news achieving improved accuracy This approach uses effective data cleaning and categorization on social media on which verities of posts like images with some text, comments, videos, posts related to fake news, are generated in vast and are required to be handled effectively to get the truthfulness of the news or a post. Am going to propose detailed classification that needs to be considered as the recent news are sometimes partially true and partially fake.