

FAKE NEWS DETECTION USING NLP

PHASE - 3

INTRODUCTION:

- * The fake news has been rapidly increasing in numbers.
- * It is not a new problem but recently it has been on a great rise.
- * According to Wikipedia Fake news is false or misleading information presented as news.
- * Detecting the fake news has been a challenging and a complex task.
- * It is observed that humans have a tendency to believe the misleading information which makes the spreading of fake news even easier.
- * According to reports it is found that human ability to detect deception without special assistance is only 54%
- * Fake news is dangerous as it can deceive people easily and create a state of confusion among a community.

PROCESSING THE DATA :

- * To identify bogus news, sentiment analysis using NLP can be an effective strategy.
- * NLP algorithms can ascertain the intention and any biases of an author by analyzing the emotions displayed in a news story or social media post.

- * Fake news frequently preys on readers' emotions by using strong language or exaggeration.

DIFFERENT ANALYSIS OF THE PROJECT :

- * From an NLP perspective, researchers have studied numerous aspects of the credibility of online information.

- * Applied the time-sensitive supervised approach by relying on tweet content to address the credibility of a tweet in different situations.

- * Used LSTM in a similar problem of early rumour detection. In another work.

- * A submission to the SemEval 2016 Twitter Stance Detection task focuses on creating a bag-of-words autoencoder and training it over the tokenized tweets.

- * Another team, [5], combined multiple models in an ensemble providing a 50/50 weighted average between a deep convolutional neural network and a gradient-boosted decision tree.

CONCLUSION :

- * Our project can ring the initial alert for fake news

- * The model produces worse results if the article is written cleverly, without any sensationalization.

- * This is a very complex problem but we tried to address it as much as we could.

* We believe the interface provides an easier way for the average person to check the authenticity of a news.

* Projects like this one with more advanced features should be integrated on social media to prevent the spread of fake news.