

ABSTRACT

Machine learning (ML) is the scientific study of algorithms and statistical models that computer systems use to perform a specific task without using explicit instructions, relying on patterns and inference instead. It is seen as a subset of artificial intelligence. NLP is an area of computer science and artificial intelligence concerned with the interactions between computers and human (natural) languages, in particular how to program computers to fruitfully process large amounts of natural language data. Natural language processing (NLP) is a subfield of linguistics, computer science, information engineering, and artificial intelligence concerned with the interactions between computers and human (natural) languages, in particular how to program computers to process and analyze large amounts of natural language data.

Fake News has become one of the major problems in the existing society. Fake News has high potential to change opinions, facts and can be the most dangerous weapon in influencing society.

The proposed project uses Natural Language Processing (NLP) techniques for detecting 'fake news', that is, misleading news stories which come from non-reputable sources. By building a model based on a Decision Tree Classifier algorithm, the accuracy of fake news can be detected. The data science community has responded by taking actions against the problem. It is impossible to determine whether the news was real or fake accurately. So the proposed project uses the datasets that are trained using the count Term frequency-vectorizer method for the detection of fake news and its accuracy will be tested using "Detecting Accuracy Of Fake News Using Machine Learning" (DAFUML).