FAKE NEWS DETECTION

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Introduction :

With the current usage of social media platforms, consumers are creating and sharing more information than ever before, some of which are misleading with no relevance to reality. Automated classification of a text article as misinformation or disinformation is a challenging task. Even an expert in a particular domain has to explore multiple aspects before giving a verdict on the truthfulness of an article. In this work, we propose to use machine learning ensemble approach for automated classification of news articles. Our study explores different textual properties that can be used to distinguish fake contents from real. By using those properties, we train a combination of different machine learning algorithms using various ensemble methods and evaluate their performance on real world datasets.

Requirement Analysis / Feasibility Study:

- Awareness and media literacy will be raised at consumer level with an effect on data protection.
- Effective fake news detection will reduce defamation of individuals.

Methodology:

As we are classifying text on the basis of a wide feature set, with a binary output (true article/fake article), a logistic regression (LR) model is used, since it provides the intuitive equation to classify problems into binary or multiple classes

Technology / Tools / Language / Facilities required for proposed work

Python language and its various libraries such as numpy, pandaas, re,ntlk,TfidfVectorizer etc will be used to make this project.

Bibliography

- Bishop - Pattern Recognition And Machine Learning - Springer 2006.
- data-flair-training

MASTER OF APPLICATIONS

SUBMITTED BY

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