

News Article Classification (Fake/Real)

Introduction

With the explosion of information online, identifying whether a news article is fake or real has become a crucial task.

Abstract

The project uses supervised learning to detect fake news. Text data is cleaned, vectorized using TF-IDF, and fed into a logistic regression model.

Tools Used

- Python
- Pandas
- NLTK
- Scikit-learn
- Streamlit

Steps Involved in Building the Project

1. Download dataset from Kaggle
2. Clean and preprocess data
3. Vectorize using TF-IDF
4. Train logistic regression model
5. Evaluate model
6. Deploy via Streamlit

Conclusion

This project demonstrates how machine learning can be used to identify fake news and can be deployed for real-world usage.