Fake News Project

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INTRODUCTION

Context

Fake news has become one of the biggest problems of our age. It has serious impact on our online as well as offline discourse. One can even go as far as saying that, to date, fake news poses a clear and present danger to western democracy and stability of the society.

What is a Fake News?

Fake news's simple meaning is to incorporate information that leads people to the wrong path. Nowadays fake news spreading like water and people share this information without verifying it. This is often done to further or impose certain ideas and is often achieved with political agendas.

For media outlets, the ability to attract viewers to their websites is necessary to generate online advertising revenue. So it is necessary to detect fake news.

PROBLEM STATEMENT

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```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import warnings
warnings.filterwarnings('ignore')
```

Machine Learning model building Library used

```
from sklearn.naive_bayes import MultinomialNB
```

```
from sklearn.metrics import accuracy_score,classification_report
```

```
clf = MultinomialNB()
```

Model Accuracy

```
accuracy_score(train_label , y_pred_train)
```

0.95925

```
accuracy_score(test_label , y_pred)
```

0.9505714285714286

Confusion matrix

```
import joblib
```

```
joblib.dump(clf , 'model.pkl')
```

['model.pkl']

```
model = joblib.load('model.pkl')
```