

### Combined Dataset Sample

## Dataset Information

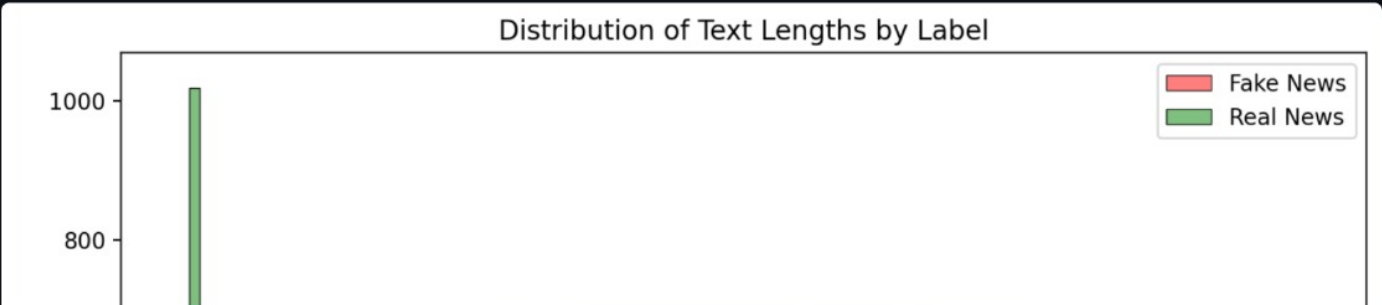
Columns: title, text, subject, date, label

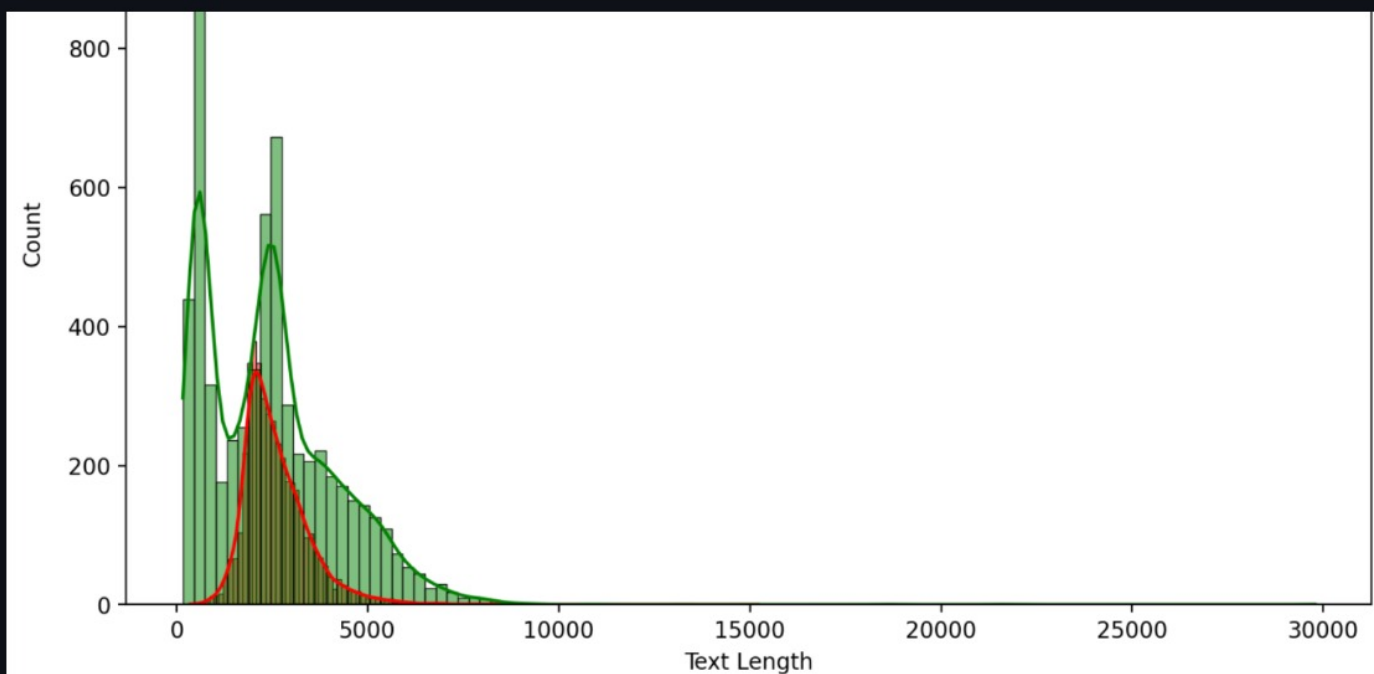
Dataset Information

Total articles: 10340  
Columns: title, text, subject, date, label  
Distribution of Labels:

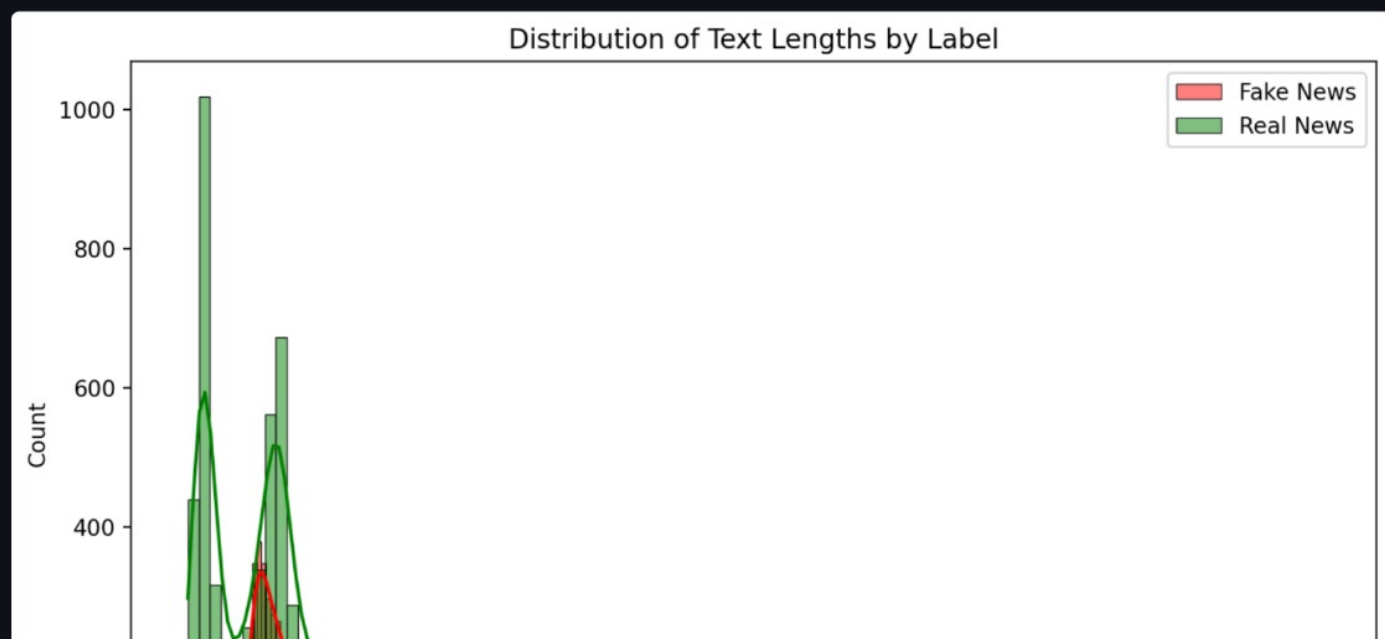
label	count
Real News	6114
Fake News	4226

Text Length Distribution





## Text Length Distribution



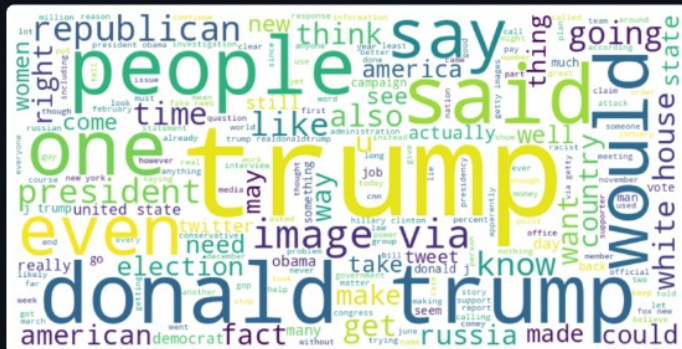
## Fake News Word Cloud



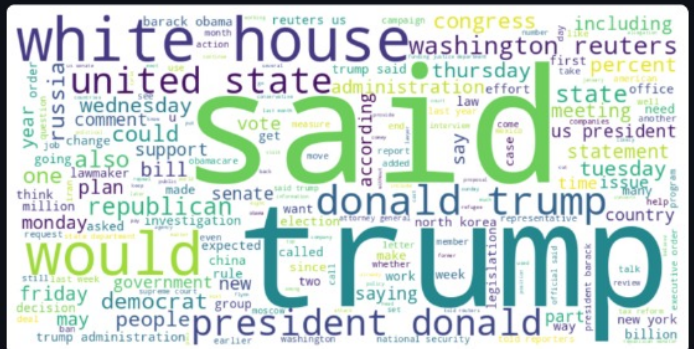
trump administration  
make  
legislation  
report  
washington  
told reporters  
effort  
president donald  
include earlier  
last year going  
percent

## Word Clouds

## Fake News Word Cloud



### Real News Word Cloud



### ⚙️ Build and Evaluate Model

#### Build and Evaluate Model

The model is built and trained using a Passive Aggressive Classifier with TF-IDF features.

This step runs only once due to Streamlit's caching (@st.cache\_resource).

Model built and trained successfully!

### Model Performance

Accuracy: 0.9981

### Confusion Matrix

#### Confusion Matrix

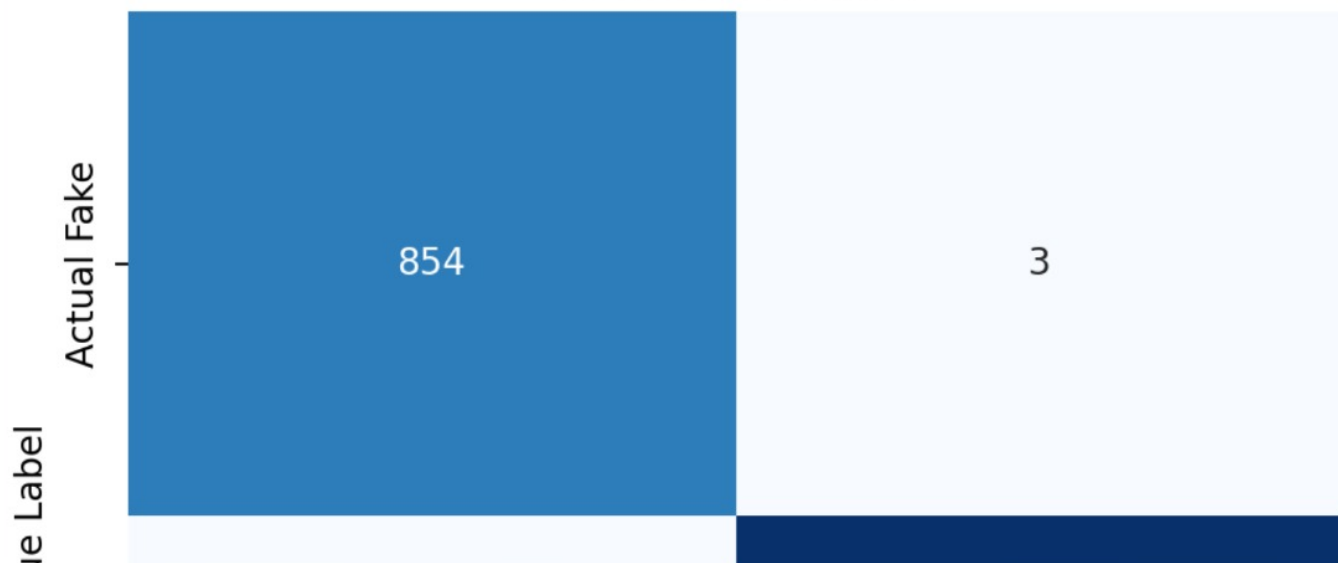


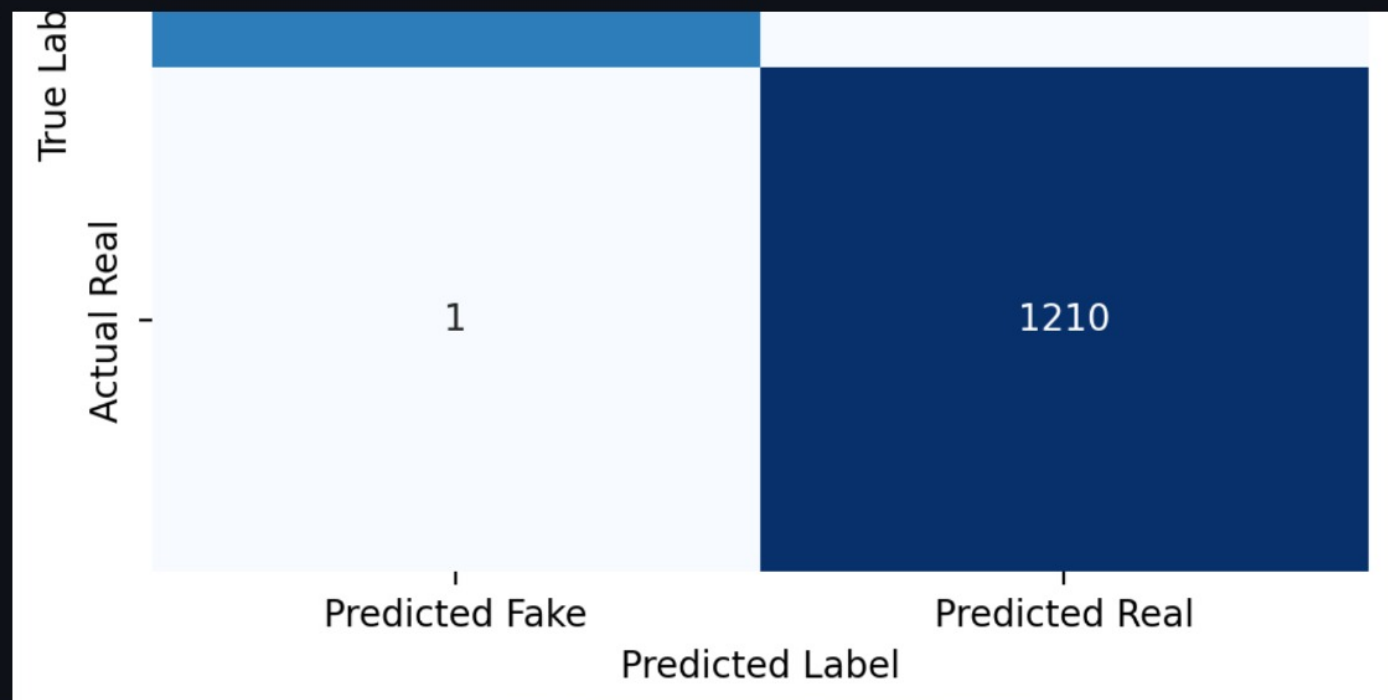
e



## Confusion Matrix

### Confusion Matrix





```
precision  recall  f1-score  support
```

accuracy		1.00	2068	
macro avg	1.00	1.00	1.00	2068
weighted avg	1.00	1.00	1.00	2068

Paste the article content below to get an instant analysis using the trained model.

**Article Content:**

Muthuvel Karunanidhi Stalin (born 1 March 1953) is an Indian politician and former actor serving as the 8th and current chief minister of Tamil Nadu since 2021.

