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kavisanbro committed 12 minutes ago Verified 0 parents commit 826bbb8

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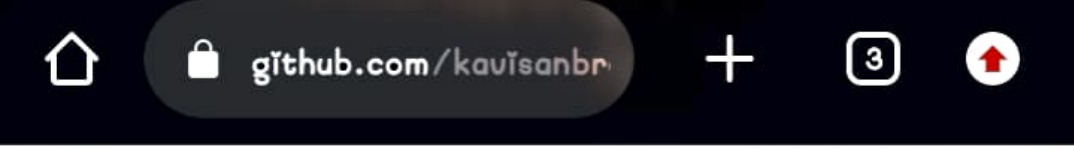
38 ■■■■■ Fake news dector

```
@@ -0,0 +1,38 @@
+ import nltk
+ import numpy as np
+ from nltk.corpus import stopwords
+ from sklearn.feature_extraction.text import TfidfVectorizer
+ from sklearn.model_selection import train_test_split
+ from sklearn.naive_bayes import MultinomialNB
+ from sklearn.metrics import accuracy_score, classification_report
+
+ # Download NLTK stopwords if not already downloaded
+ nltk.download("stopwords")
+
+ # Load your preprocessed dataset into 'texts' and 'labels' lists
+ # texts = ['your preprocessed text data']
+ # labels = [0 or 1, where 0 represents real news and 1 represents fake news]
+
+ # Text preprocessing
+ stop_words = set(stopwords.words("english"))
+ tfidf_vectorizer = TfidfVectorizer(max_features=5000, stop_words=stop_words)
+ tfidf_matrix = tfidf_vectorizer.fit_transform(texts)
+
+ # Split data into training and testing sets
+ X_train, X_test, y_train, y_test = train_test_split(
+     tfidf_matrix, labels, test_size=0.2, random_state=42
+ )
+
+ # Train a Multinomial Naive Bayes classifier
+ classifier = MultinomialNB()
+ classifier.fit(X_train, y_train)
+
+ # Make predictions
+ y_pred = classifier.predict(X_test)
+
+ # Evaluate the model
+ accuracy = accuracy_score(y_test, y_pred)
+ report = classification_report(y_test, y_pred)
+
+ print(f"Accuracy: {accuracy}")
```



kavisanbro / **Fake_news_decetion_using_NLP-**

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kavisanbro Create Fake news dector — 826bbb8 · 11 minutes ago | History

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