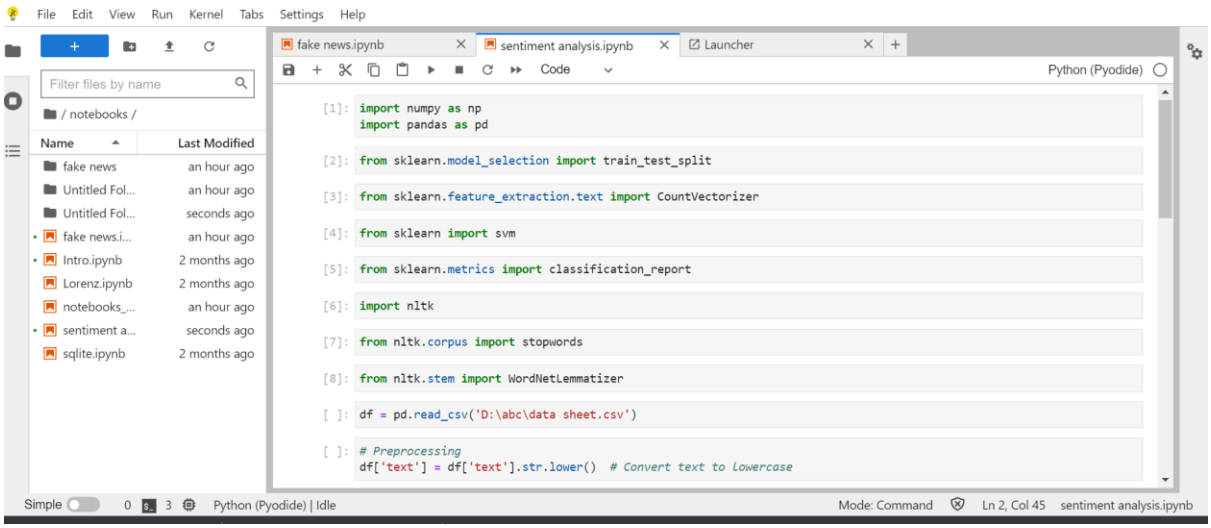
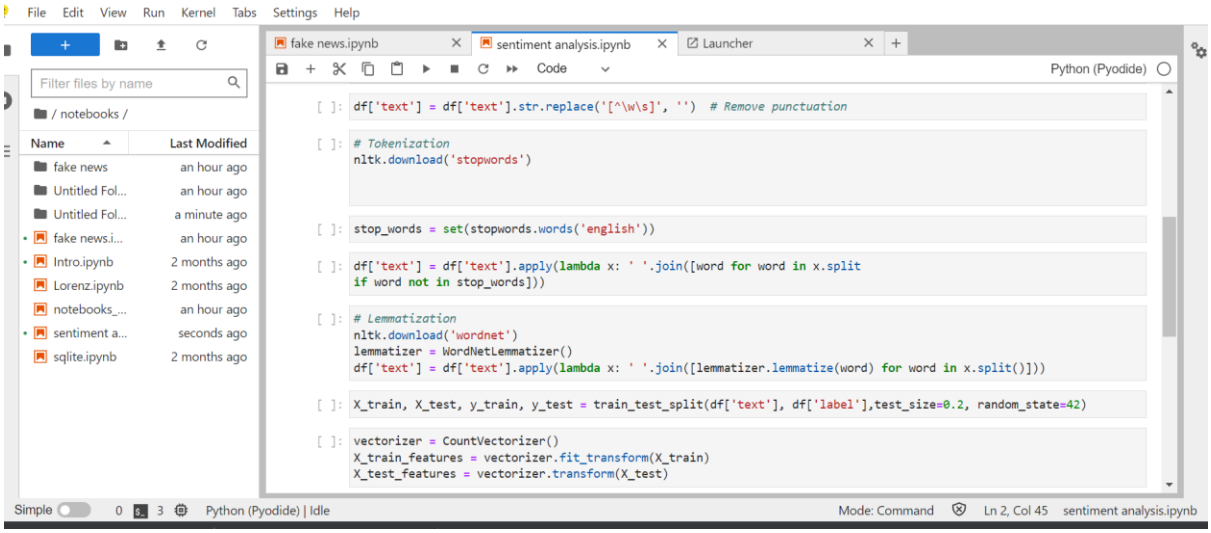
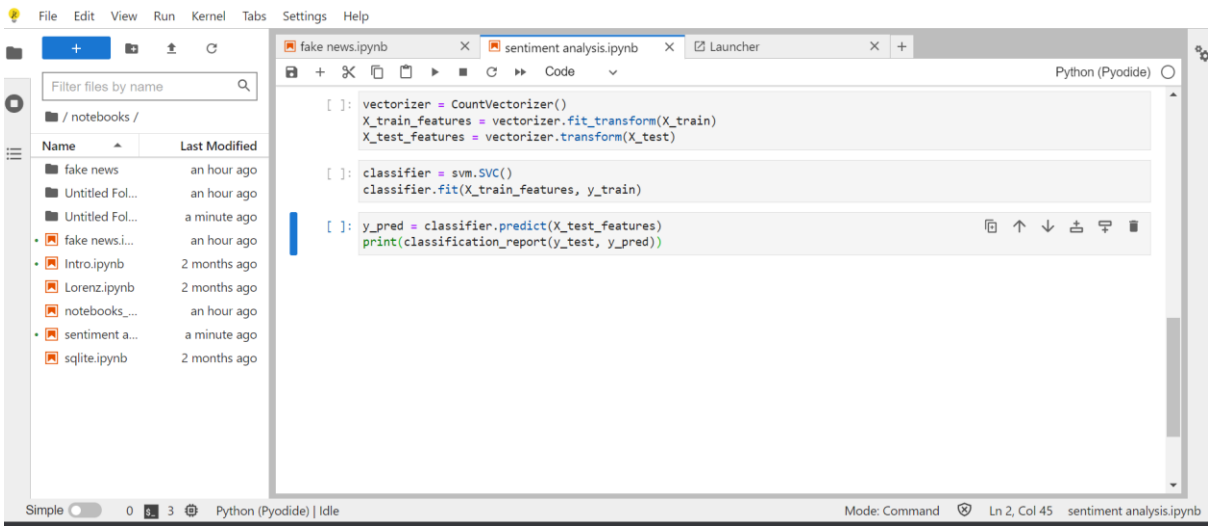

File Edit View Run Kernel Tabs Settings Help
fake news.ipynb
sentiment analysis.ipynb
Launcher
Code
Python (Pyodide)
Filter files by name
/ notebooks /
Name
Last Modified
fake news an hour ago
Untitled Fol... an hour ago
Untitled Fol... seconds ago
fake news.i... an hour ago
Intro.ipynb 2 months ago
Lorenz.ipynb 2 months ago
notebooks_... an hour ago
sentiment a... seconds ago
sqlite.ipynb 2 months ago
[1]: import numpy as np
import pandas as pd
[2]: from sklearn.model_selection import train_test_split
[3]: from sklearn.feature_extraction.text import CountVectorizer
[4]: from sklearn import svm
[5]: from sklearn.metrics import classification_report
[6]: import nltk
[7]: from nltk.corpus import stopwords
[8]: from nltk.stem import WordNetLemmatizer
[ ]: df = pd.read_csv('D:\abc\data sheet.csv')
[ ]: # Preprocessing
df['text'] = df['text'].str.lower() # Convert text to lowercase
Simple 0 3 Python (Pyodide) | Idle
Mode: Command Ln 2, Col 45 sentiment analysis.ipynb


File Edit View Run Kernel Tabs Settings Help
fake news.ipynb
sentiment analysis.ipynb
Launcher
Code
Python (Pyodide)
Filter files by name
/ notebooks /
Name
Last Modified
fake news an hour ago
Untitled Fol... an hour ago
Untitled Fol... a minute ago
fake news.i... an hour ago
Intro.ipynb 2 months ago
Lorenz.ipynb 2 months ago
notebooks_... an hour ago
sentiment a... seconds ago
sqlite.ipynb 2 months ago
[ ]: df['text'] = df['text'].str.replace('[^\w\s]', '') # Remove punctuation
[ ]: # Tokenization
nltk.download('stopwords')
[ ]: stop_words = set(stopwords.words('english'))
[ ]: df['text'] = df['text'].apply(lambda x: ' '.join([word for word in x.split
if word not in stop_words]))
[ ]: # Lemmatization
nltk.download('wordnet')
lemmatizer = WordNetLemmatizer()
df['text'] = df['text'].apply(lambda x: ' '.join([lemmatizer.lemmatize(word) for word in x.split()]))
[ ]: X_train, X_test, y_train, y_test = train_test_split(df['text'], df['label'],test_size=0.2, random_state=42)
[ ]: vectorizer = CountVectorizer()
X_train_features = vectorizer.fit_transform(X_train)
X_test_features = vectorizer.transform(X_test)
Simple 0 3 Python (Pyodide) | Idle
Mode: Command Ln 2, Col 45 sentiment analysis.ipynb


File Edit View Run Kernel Tabs Settings Help
fake news.ipynb
sentiment analysis.ipynb
Launcher
Code
Python (Pyodide)
Filter files by name
/ notebooks /
Name
Last Modified
fake news an hour ago
Untitled Fol... an hour ago
Untitled Fol... a minute ago
fake news.i... an hour ago
Intro.ipynb 2 months ago
Lorenz.ipynb 2 months ago
notebooks_... an hour ago
sentiment a... a minute ago
sqlite.ipynb 2 months ago
[ ]: vectorizer = CountVectorizer()
X_train_features = vectorizer.fit_transform(X_train)
X_test_features = vectorizer.transform(X_test)
[ ]: classifier = svm.SVC()
classifier.fit(X_train_features, y_train)
[ ]: y_pred = classifier.predict(X_test_features)
print(classification_report(y_test, y_pred))
Simple 0 3 Python (Pyodide) | Idle
Mode: Command Ln 2, Col 45 sentiment analysis.ipynb