



Reviews.ipynb

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.. sample_data product_reviews_clean.csv

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```
[2] Generated code may be subject to a licence | 28Pollux28/PythonCodeFragments
import pandas as pd
from sklearn.feature_extraction.text import TfidfVectorizer
from sklearn.linear_model import LogisticRegression
```

```
[7] review=pd.read_csv('/content/product_reviews_clean.csv')
```

```
[9] vectorizer=TfidfVectorizer(stop_words='english')
x=vectorizer.fit_transform(review['review'])
y=review['sentiment']
```

```
[10] lr=LogisticRegression()
lr.fit(x,y)
```

LogisticRegression

```
[11] new_review=input("Enter the product review:")
new_vec=vectorizer.transform([new_review])
prediction=lr.predict(new_vec)
```

Variables Terminal

11:02 Python 3

Reviews.ipynb

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▶ sample_data

product_reviews_clean.csv

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[11] new_review=input("Enter the product review:")
new_vec=vectorizer.transform([new_review])
prediction=lr.predict(new_vec)

Enter the product review:it is amazing

0s

▶ print("sentiment:", "Positive" if prediction[0]==1 else "Negative")

sentiment: Positive

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{} Variables

Terminal

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