



FileEditSelectionViewGoRunTerminalHelp

←→Search

☐☐☐0%

—☐×

sms_classifier_internship-checkpoint.ipynb ×

⚙️▶️⋮

C:\Users> ankit> .\jupyter_checkpoints> sms_classifier_internship-checkpoint.ipynb> import numpy as np

+ Code + Markdown | ▶ Run All | 🗑 Clear All Outputs | 📄 Outline ⋮

Python 3.11.1

print(X_train)

[48]

Python

... 2121 Argh my 3g is spotty, anyway the only thing I ...
1046 Come round, it's .
3427 Sure but since my parents will be working on T...
1176 Horrible u eat macs eat until u forgot abt me ...
2500 Yup i've finished c ü there...
...
789 5 Free Top Polyphonic Tones call 087018728737,...
968 What do u want when i come back?.a beautiful n...
1667 Guess who spent all last night phasing in and ...
3321 Eh sorry leh... I din c ur msg. Not sad ahead...
1688 Free Top ringtone -sub to weekly ringtone-get ...
Name: Message, length: 4736, dtype: object

print(X_train_features)

[49]

Python

... <Compressed Sparse Row sparse matrix of dtype 'float64'
with 36951 stored elements and shape (4736, 7700)>
Coords Values
(0, 1047) 0.3085973537367412
(0, 475) 0.2931055186873344
(0, 6391) 0.3350808206774561
(0, 6822) 0.2070891377592127
(0, 5666) 0.23708034773595787
(0, 5707) 0.3085973537367412
(0, 2309) 0.18599594073208287
(0, 5456) 0.3350808206774561
(0, 6455) 0.3350808206774561
(0, 5410) 0.22683063364980188
(0, 2977) 0.1602922471097932
(0, 5709) 0.300097158167850434

Olympic Games
Medal updates

🔍 Search

📁📅🔍📧📺📺📺📺📺

ENG
IN

00:24
10-08-2024

🔔👤

FileEditSelectionViewGoRunTerminalHelp

Search

Python 3.11.1

sms_classifier_internship_checkpoint.ipynb

C:\Users> ankit > .\jupyter_checkpoints> sms_classifier_internship_checkpoint.ipynb > import numpy as np

+ Code + Markdown | Run All | Clear All Outputs | Outline

print(X)

[23]

Python

... 0 Go until jurong point, crazy.. Available only ...
1 ok lar... Joking wif u oni...
2 Free entry in 2 a wkly comp to win FA Cup fina...
3 U dun say so early hor... U c already then say...
4 Nah I don't think he goes to usf, he lives aro...
...
5567 This is the 2nd time we have tried 2 contact u...
5568 Will ü b going to esplanade fr home?
5569 Pity, * was in mood for that. So...any other s...
5570 The guy did some bitching but I acted like i'd...
5571 Rofl. Its true to its name
Name: Message, Length: 5572, dtype: object

print(Y)

[24]

Python

... 0 1
1 1
2 0
3 1
4 1
...
5567 0
5568 1
5569 1
5570 1
5571 1
Name: Category, Length: 5572, dtype: object

Olympic Games Medal updates

Search

ENG IN 00:23 10-08-2024

File Edit Selection View Go Run Terminal Help

Search

sms_classifier_internship_checkpoint.ipynb

C:\Users> ankit > .\jupyter_checkpoints> sms_classifier_internship_checkpoint.ipynb > import numpy as np

+ Code + Markdown | Run All | Clear All Outputs | Outline ...

Python 3.11.1

```
model.fit(X_train_features, Y_train)
```

[51]

Python

```
LogisticRegression()
```

[52]

Python

```
prediction_on_training_data = model.predict(X_train_features)
accuracy_on_training_data = accuracy_score(Y_train, prediction_on_training_data)
```

[53]

Python

```
print('Accuracy on training data : ', accuracy_on_training_data)
```

Acc on training data : 0.9702280405405406

```
prediction_on_test_data = model.predict(X_test_features)
accuracy_on_test_data = accuracy_score(Y_test, prediction_on_test_data)
```

[56]

Python

```
print('Accuracy on test data: ', accuracy_on_test_data)
```

[57]

Python

```
Accuracy on test data: 0.9665071770334929
```

```
input_your_mail = ["hii"]
input_data_features = feature_extraction.transform(input_your_mail)
prediction = model.predict(input_data_features)
```

Olympic Games Medal updates

Search

ENG IN 00:24 10-08-2024

FileEditSelectionViewGoRunTerminalHelp

Search

sms_classifier_intership_checkpoint.py: X

C:\Users\ankit> .\pyenv_checkpoints> sms_classifier_intership_checkpoint.py: import numpy as np

+ Code + Markdown | ▶ Run All | Clear All Outputs | Outline

Detecting Kernels

import numpy as np
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.feature_extraction.text import TfidfVectorizer
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import accuracy_score

(11) Python

df = pd.read_csv(r'C:\Users\ankit\Downloads\mail_data.csv')

(14) Python

print(df)

(14) Python

...
Category Message
0 ham Go until juring point, crazy.. Available only ...
1 ham ok lar... Joking wif u oni...
2 spam Free entry in 2 a wily comp to win FA Cup fina...
3 ham U dun say so early hor... U c already then say...
4 ham Nah I don't think he goes to usf, he lives aro...
...
5567 spam This is the 2nd time we have tried 2 contact u...
5568 ham Will u b going to explanade fr home?
5569 ham Pity, * was in mood for that. So...any other s...
5570 ham The guy did some bitching but I acted like i'd...
5571 ham nofl. Its true to its name

[5572 rows x 2 columns]

print(df.head())

Olympic Games Medal updates

Search

ENG IN 00:23 10-08-2024