



Gjendiran /  
Phase2



<> Code Issues Pull requests



Phase2 /

Main.py

in main

Cancel changes

Commit changes...

Edit

Preview

Spaces

4

No wrap

```
1  import numpy as np # linear algebra
2  import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)
3
4  from nltk.corpus import stopwords
5  import nltk
6  nltk.download('stopwords')
7
8  from sklearn.pipeline import Pipeline
9
10 from sklearn.naive_bayes import BernoulliNB , MultinomialNB , GaussianNB
11
12 from sklearn.metrics import accuracy_score
13
14 import os
15 for dirname, _, filenames in os.walk('/kaggle/input'):
16     for filename in filenames:
17         print(os.path.join(dirname, filename))
18
19
20
21 filepath = '/kaggle/input/sms-spam-collection-dataset/spam.csv'
22 data_import = pd.read_csv(filepath , encoding = 'ISO-8859-1')
23 data_import.head()
24 df = data_import.drop(['Unnamed: 2' , 'Unnamed: 3' , 'Unnamed: 4'] , axis = 1)
25 df.head()
26 sw = stopwords.words('english')
27
28 def stopword(text) :
29     txt = [word.lower() for word in text.split() if word.lower() not in sw]
30     return txt
31
32 df['v2'] = df['v2'].apply(stopword)
33
34 df.head()
35
36 from nltk.stem.snowball import SnowballStemmer
```

Use **Control + Shift + m** to toggle the **tab** key moving focus. Alternatively, use **esc** then **tab** to move to the next interactive element on the page.

```
39
40 def stemming(text) :
41     text = [ss.stem(word) for word in text if word.split()]
42     return "".join(text)
43
44 df['v2'] = df['v2'].apply(stemming)
45
46
47 df.head()
~
```