jupyter SPAM HAM Last Checkpoint: 4 months ago

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JupyterLab

```python
[1]: import re
     import pandas as pd
     from sklearn.feature_extraction.text import CountVectorizer
     from sklearn.model_selection import train_test_split
     from sklearn.svm import SVC
     from sklearn.metrics import accuracy_score
     from wordcloud import WordCloud, STOPWORDS, ImageColorGenerator
```

```python
[2]: pip install wordcloud
```

```
Requirement already satisfied: wordcloud in c:\users\manoj baratam\anaconda4\lib\site-packages (1.9.3)
Requirement already satisfied: numpy>=1.6.1 in c:\users\manoj baratam\anaconda4\lib\site-packages (from wordcloud) (1.26.4)
Requirement already satisfied: pillow in c:\users\manoj baratam\anaconda4\lib\site-packages (from wordcloud) (10.3.0)
Requirement already satisfied: matplotlib in c:\users\manoj baratam\anaconda4\lib\site-packages (from wordcloud) (3.8.4)
Requirement already satisfied: contourpy>=1.0.1 in c:\users\manoj baratam\anaconda4\lib\site-packages (from matplotlib->wordcloud)
Requirement already satisfied: cycler>=0.10 in c:\users\manoj baratam\anaconda4\lib\site-packages (from matplotlib->wordcloud) (0.
Requirement already satisfied: fonttools>=4.22.0 in c:\users\manoj baratam\anaconda4\lib\site-packages (from matplotlib->wordcloud
Requirement already satisfied: kiwisolver>=1.3.1 in c:\users\manoj baratam\anaconda4\lib\site-packages (from matplotlib->wordcloud
Requirement already satisfied: packaging>=20.0 in c:\users\manoj baratam\anaconda4\lib\site-packages (from matplotlib->wordcloud)
Requirement already satisfied: pyparsing>=2.3.1 in c:\users\manoj baratam\anaconda4\lib\site-packages (from matplotlib->wordcloud)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\manoj baratam\anaconda4\lib\site-packages (from matplotlib->wordcl
Requirement already satisfied: six>=1.5 in c:\users\manoj baratam\anaconda4\lib\site-packages (from python-dateutil>=2.7->matplotl
Note: you may need to restart the kernel to use updated packages.
```

```python
[3]: df = pd.read_csv('C:/COMMUNITY INTERNSHIP/spam-2.csv')
     a = df['message']
```