



## Fakenews detection using NLP-phase-4

Commit changes...

```
/ main.py in main
```

## Preview

No wrap

```

1 # %% [code] {"execution":{"iopub.status.busy":"2023-10-27T04:25:09.090352Z"},"iopub.execute_input":"2023-10-27T04:25:09.090352Z"}
2 # This Python 3 environment comes with many helpful analytics libraries installed
3 # It is defined by the kaggle/python Docker image: https://github.com/kaggle/docker-python
4 # For example, here's several helpful packages to load
5
6 import numpy as np # linear algebra
7 import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)
8
9 # Input data files are available in the read-only "../input/" directory
10 # For example, running this (by clicking run or pressing Shift+Enter) will list all files under the input directory
11
12 import os
13 for dirname, _, filenames in os.walk('/kaggle/input'):
14     for filename in filenames:
15         print(os.path.join(dirname, filename))
16
17 # You can write up to 20GB to the current directory (/kaggle/working/) that gets preserved as output when you
18 # You can also write temporary files to /kaggle/temp/, but they won't be saved outside of the current session
19
20 # %% [code] {"execution":{"iopub.status.busy":"2023-10-27T04:25:09.114058Z"},"iopub.execute_input":"2023-10-27T04:25:09.114058Z"}
21 import pandas as pd
22 import nltk
23 from nltk.sentiment import SentimentIntensityAnalyzer
24 import warnings
25 warnings.filterwarnings("ignore")
26 from sklearn.model_selection import train_test_split
27 from sklearn.feature_extraction.text import TfidfVectorizer
28 from sklearn.svm import SVC
29 from sklearn.metrics import accuracy_score, classification_report
30
31 # %% [code] {"execution":{"iopub.status.busy":"2023-10-27T04:25:10.243502Z"},"iopub.execute_input":"2023-10-27T04:25:10.243502Z"}
32 fake = pd.read_csv('/kaggle/input/fake-and-real-news-dataset/Fake.csv')
33 true = pd.read_csv('/kaggle/input/fake-and-real-news-dataset/True.csv')
34
35 # %% [code] {"execution":{"iopub.status.busy":"2023-10-27T04:25:12.787408Z"},"iopub.execute_input":"2023-10-27T04:25:12.787408Z"}
36 fake['Category'] = 'fake'
37 fake
38
39 # %% [code] {"execution":{"iopub.status.busy":"2023-10-27T04:25:12.815088Z"},"iopub.execute_input":"2023-10-27T04:25:12.815088Z"}

```

 $\frac{1}{2}$

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