Abstract

This project is a web-based tool that simplifies the process of using datasets for machine learning and deep learning model development. Users can easily upload a dataset file or insert a URL to load the data into the python program. The same datasets are also available in the popular sklearn module. By integrating both options, allowing developers to quickly experiment with and build various machine learning and deep learning models using a familiar and standardized dataset source. The webpage is also integrated with the chatbot by

using api keys so that user can easily ask the chatbot for additional data if needed.

Document

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models

- iris dataset
- written Digit dataset
- wine datasets for logistic regression
- 20 different news for classification
- diabates dataset for regression
- house price prediction
- face recognization dataset
- classification for forest cover dataset
- network intrusion dataset
- circle dataset for non-linear classification

iris dataset

1.file 1

2.file 2

Note:- The file 1 contains the 10,000 rows of the data where the file 2 contains 1,000 rows of the data with 8 entities in each

/SaiiTeja/
tasets/1.csv

/SaiiTeja/
tasets/1.5.csv

n/SaiiTeja/mini_project/

python program using predefined modules

from sklearn import datasets import matplotlib.pyplot as plt import numpy as np # 1. Load Iris dataset iris = datasets.load_iris() print("Iris Dataset:", iris.keys())

```
df = pd.read_csv(url)
print(df.head())
```

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models

iris dataset

1.file 1

2.file 2

Note:- The file 1 contains the 10,000 rows of the data where the file 2 contains 1,000 rows of the data with 8 entities in each

File1:-

https://raw.githubusercontent.com/SaiiTeja/mini_project/refs/heads/master/datasets/1.csv

File2:-

https://raw.githubusercontent.com/SaiiTeja/mini_project/refs/heads/master/datasets/1.5.csv

python program using predefined modules

```
from sklearn import datasets import matplotlib.pyplot as plt import numpy as np # 1. Load Iris dataset iris = datasets.load_iris() print("Iris Dataset:", iris.keys())
```

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