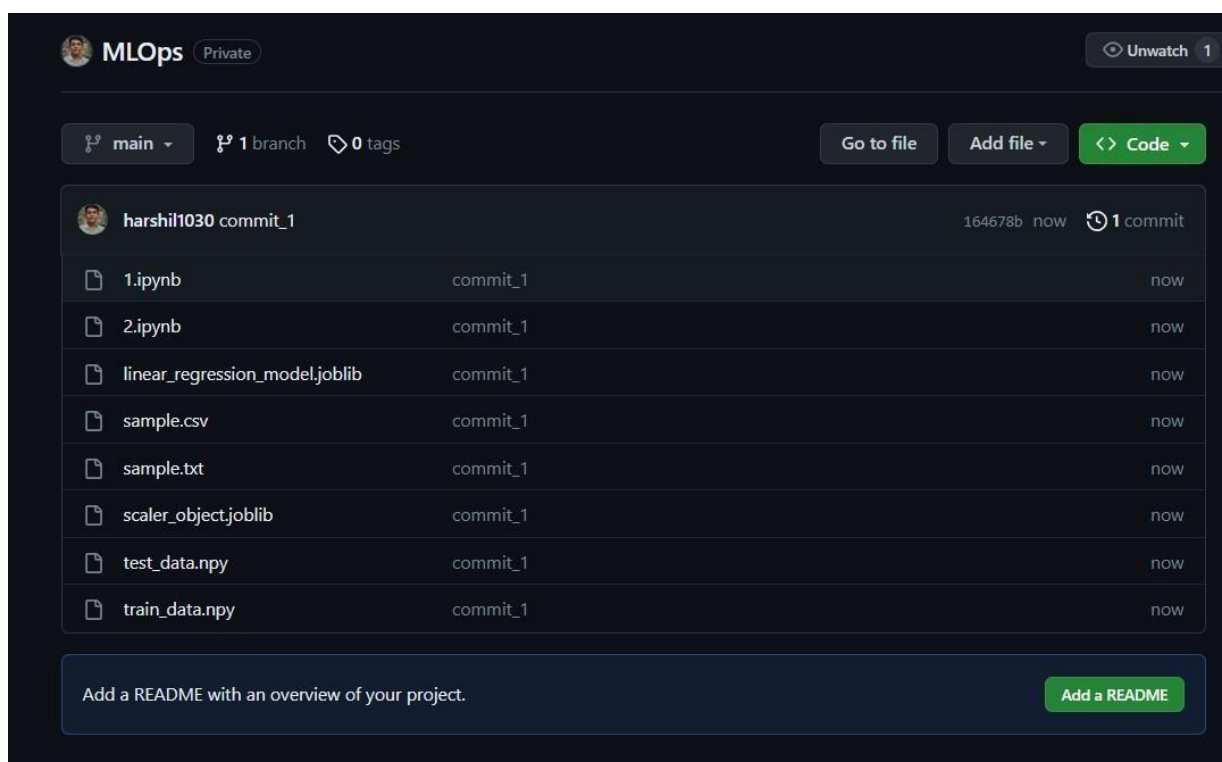


Practical-3

Generation of Reproducible and Interactive ML Project.

Task 1: Create the Github repository for the house rate prediction project created in practical 2.



Task 2: Integrate your repository with the binder to make your project interactive. (Hint: refer to the following link for the steps: (<https://mybinder.org/>))

Build and launch a repository

GitHub repository name or URL

GitHub ▾


Git ref (branch, tag, or commit)

Path to a notebook file (optional) File ▾

Copy the URL below and share your Binder with others:









Expand to see the text below, paste it into your README to show a binder badge:


Waiting Building Pushing


 **Launcher**


File Edit View Run Kernel Tabs Settings Help


Filter files by name

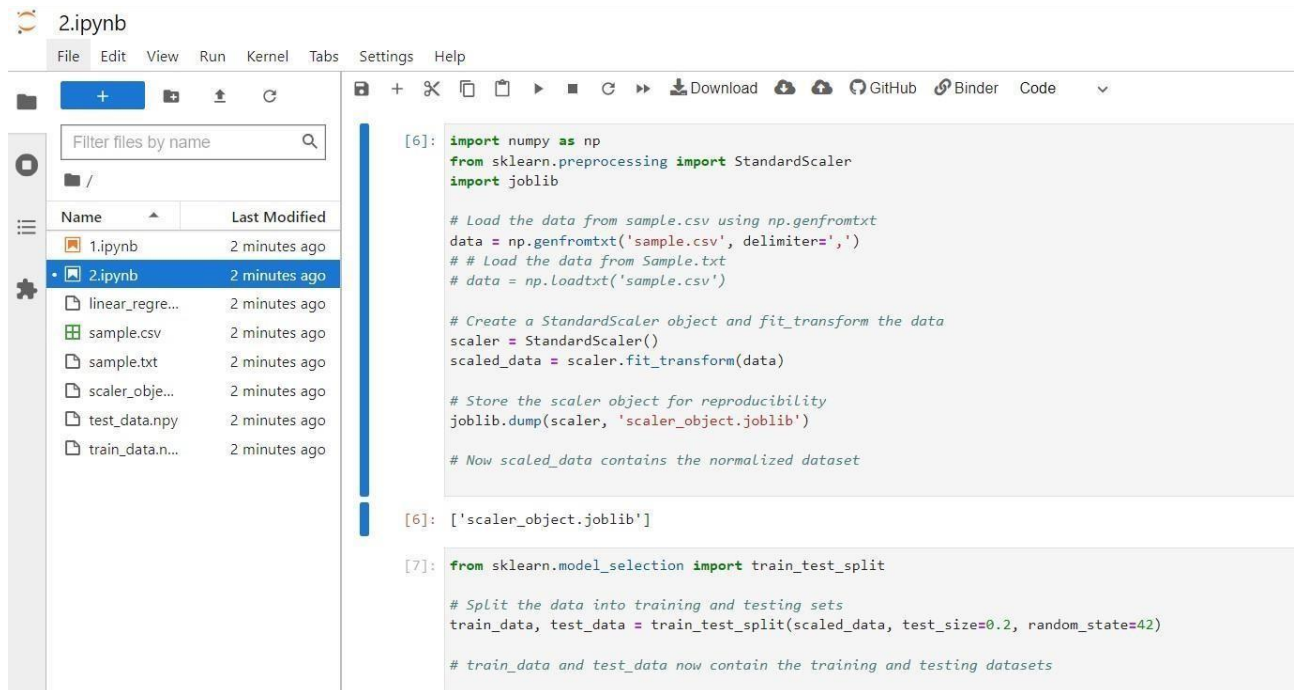
Name	Last Modified
 1.ipynb	2 minutes ago
 2.ipynb	2 minutes ago
 linear_regre...	2 minutes ago
 sample.csv	2 minutes ago
 sample.txt	2 minutes ago
 scaler_obje...	2 minutes ago
 test_data.npy	2 minutes ago
 train_data.n...	2 minutes ago

 **Notebook**

 Python 3 (ipykernel)

 **Console**

 Python 3 (ipykernel)



2.ipynb

File Edit View Run Kernel Tabs Settings Help

Filter files by name

Name	Last Modified
1.ipynb	2 minutes ago
2.ipynb	2 minutes ago
linear_regre...	2 minutes ago
sample.csv	2 minutes ago
sample.txt	2 minutes ago
scaler_obje...	2 minutes ago
test_data.npy	2 minutes ago
train_data.n...	2 minutes ago

```
[6]: import numpy as np
      from sklearn.preprocessing import StandardScaler
      import joblib

      # Load the data from sample.csv using np.genfromtxt
      data = np.genfromtxt('sample.csv', delimiter=',')
      ## Load the data from Sample.txt
      # data = np.loadtxt('sample.csv')

      # Create a StandardScaler object and fit_transform the data
      scaler = StandardScaler()
      scaled_data = scaler.fit_transform(data)

      # Store the scaler object for reproducibility
      joblib.dump(scaler, 'scaler_object.joblib')

      # Now scaled_data contains the normalized dataset

[6]: ['scaler_object.joblib']

[7]: from sklearn.model_selection import train_test_split

      # Split the data into training and testing sets
      train_data, test_data = train_test_split(scaled_data, test_size=0.2, random_state=42)

      # train_data and test_data now contain the training and testing datasets
```