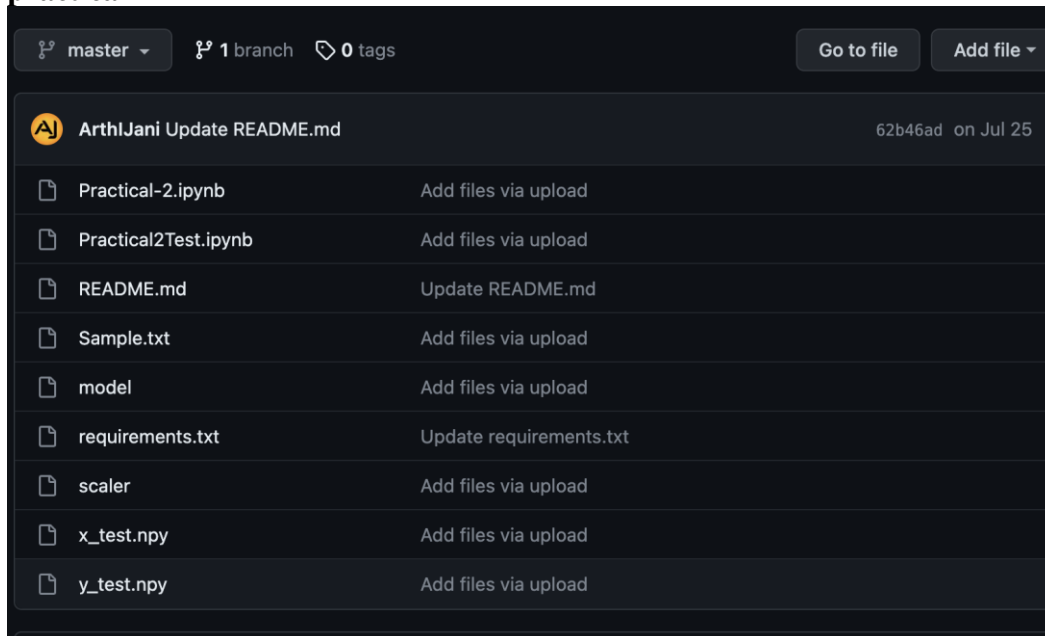


Practical-3

AIM : Generation of Reproducible and Interactive ML Project

Task 1: Create the Github repository for the house rate prediction project created in practical2



Task 2: Integrate your repository with the binder to make your project interactive. (Hint: refer to the following link for the steps:

Build and launch a repository

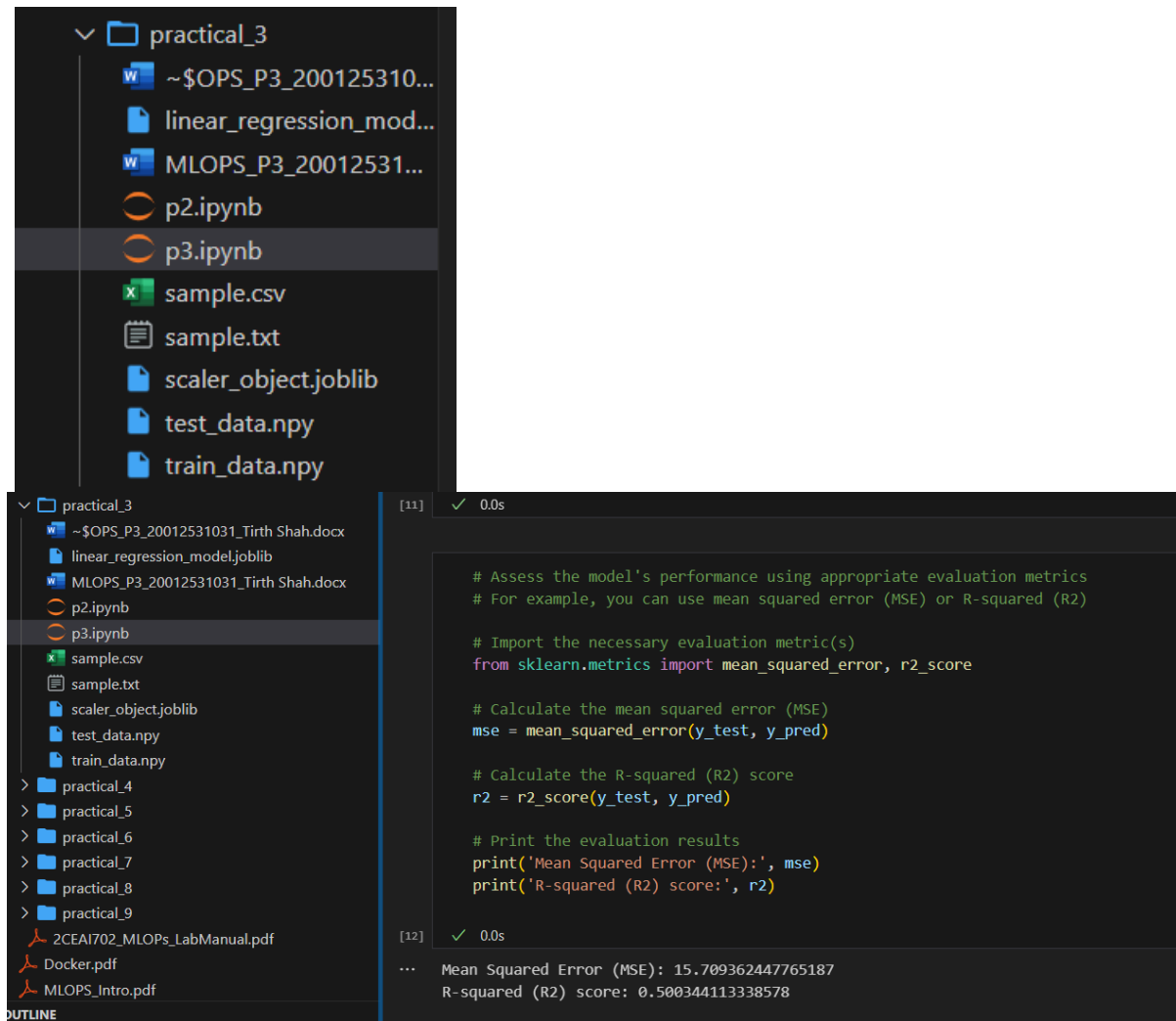
GitHub repository name or URL

GitHub

Git ref (branch, tag, or commit) Path to a notebook file (optional)

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:



The screenshot displays a JupyterLab environment. On the left, a file explorer shows a directory structure with folders 'practical_3' through 'practical_9' and various files including documents, CSVs, TXTs, and data files. The 'practical_3' folder is expanded, showing files like 'p2.ipynb', 'p3.ipynb', 'sample.csv', 'sample.txt', 'scaler_object.joblib', 'test_data.npy', and 'train_data.npy'. The center pane shows the code editor for 'p3.ipynb', containing Python code for model evaluation. The right pane shows the output of the code, displaying the Mean Squared Error (MSE) and R-squared score.

```
[11] ✓ 0.0s

# Assess the model's performance using appropriate evaluation metrics
# For example, you can use mean squared error (MSE) or R-squared (R2)

# Import the necessary evaluation metric(s)
from sklearn.metrics import mean_squared_error, r2_score

# Calculate the mean squared error (MSE)
mse = mean_squared_error(y_test, y_pred)

# Calculate the R-squared (R2) score
r2 = r2_score(y_test, y_pred)

# Print the evaluation results
print('Mean Squared Error (MSE):', mse)
print('R-squared (R2) score:', r2)
```

```
[12] ✓ 0.0s

... Mean Squared Error (MSE): 15.709362447765187
R-squared (R2) score: 0.500344113338578
```