

Code Information:

The task is executed in the Jupyter notebook by using google colab cloud services platform

The file Final_EDA_Merging.ipynb:

This file consists of Exploratory data analysis and merging of the datasets

1. To make this file run the dataset folder path needs to be mentioned in the file path area of the code.
2. There are instances when the manipulated or merged data is stored back in the folder in "pickle" format so there needs to be a path added for this purpose as well.
3. After the path conditions are fulfilled the file can be run.

The Final_model_bikeshare_timeseries_GPU.ipynb

This file consists of modelling and prediction of datasets.

Again the folder paths need to be changed, and before this file "Final_EDA_Merging" files need to be compiled.

The Loop_for_a_city.ipynb

This file consists of modelling and prediction of datasets. This file is similar to the "Final_model_bikeshare_timeseries_GPU" file, However it takes all the "station_id" from a selected City and runs the model for all the stations.

This file takes time to execute, however it executes all the station_id information and gives the map with net change in bikes at every station in the city.

Before executing this file the file "Final_EDA_Merging" needs to be executed.