Files Description

Data Folder

1. 3d_plot_data : It contains data for plotting journey of buses from source to destination. same has been used for 3-d plot .

2.Town_hall.csv : It contains data for plotting single bus stop bunching analysis.

3.training_data : This is for training our regression model. Same format of data has been used for testing purpose.

Code Folder

1.3d.ipynb : It contains code for 3-d plotting journey of buses from source to destination.

2.BunchingDetection.ipynb : For analyzing bunching detection across the route , all buses

3.Checking Bus Bunching for one bus stop.ipynb

4. TrainModel.ipynb : Code for Training the regression model for travel time prediction

5. TrainModel.ipynb : Code for testing the training model , using remaining data