Below are the contents of the portfolio project folder IST718.

* data directory
  + 2018-APTA-Infrastructure-Database.xlsx containing the infrastructure details of transportation companies.
  + February 2022 Raw Database.xlsx containing ridership details of the transportation companies.
* ARIIMA\_model.ipynb, BT Project Code.ipynb, MF\_718\_final.ipynb, NDT\_TimeSeries.ipynb are python notebooks containing code to generate ARRIMA, prophet models for predicting the ridership counts for 2022.
* ClusterAndTimeSeries.ipynb is a python notebook containing code to split the companies into clusters.
* creature\_comforts\_model.ipynb, IST718\_R\_Eason\_project\_code\_Comforts.ipynb contains code to generate the heatmaps based on the different features used in the datasets.
* Final Project Report.docx contains code for merging, data cleanup and EDA.
* ProjectSlides.pptx contains slide decks that we used for our final presentation in the class.
* Environment.yml file containing the anaconda environment settings and packages needed to run the classification script.
* Seshu\_Miriyala\_Final Project.pdf, is the final report of the classification script.

How to run the program?

* Clone the repo
* Open the notebooks in jupyter notebook and click run