**READ ME – DATA LITERACY**

Code: Contains the code that generates the samples and produces the results of the paper

* Subfolder “Creating demand data”: the “Bike\_data\_...\_h” code creates the hourly data, in which the demand and supply is aggregated from the trip data. The data is created monthly as the data sets are too big (for my computer) to combine from the start.
* Subfolder “Clustering”: “Combined Data” is the code that first clusters the data by location (..\_20 for 20 cluster). “Demand cluster data” is the final clustering step that combines the clustered data into one data set.
  + Subfolder “Cluster demand pattern”: Is the Code for the DTW k mean clustering process by location clusters.
* Subfolder “Plots”: The Code here creates the frequency and station plots used in the paper

**Recreation of the results:**

1. Download the weather and Bike trip data
2. Use the codes in the “Creating demand data”
3. Use the data sets gained from the las step to run the “Combined Data” code.
4. Use the data sets gained from the las step to run the different “Clustere demand pattern” codes
5. Use the data sets gained from the las step to run the “Demand cluster data” code