**Database of Quantifying Measurement and Visualization of Urban Segregation:**

**Manual to access the data**

<https://github.com/mengyren/QMVUS>

**Data Types and Structure**

In this project, we will collect and share multi-source urban data to develop dynamic and multidimensional measures in urban segregation. The datasets should contain information including:

* Socioeconomic Status Datasets (e.g. Census data, Financial Register Data, Bank Transfer Data) with information like racial, ethnic, gender, education, income, employee skill, etc.
* Spatiotemporal Behavior Datasets (For example, raw taxi data should be preprocessed and organized the format as follow: taxi\_id, pick\_up\_time, drop\_off\_time, pick\_up\_intersection, drop\_off\_intersection)
* Urban Socioeconomic Datasets (e.g. Housing Price Data)
* Other Data could be used to analysis above information

**Submit Data**

Metadata and Analysis Results will be submitted, shared, stored, and made publicly available on the QMVUS GitHub Repository.

**File Format**

Metadata and Analysis Results should be organized in simple ASCII comma- delimited files (\*.csv files) with clear header names.

**File Naming**

For simplicity, please collect your files in a single folder with a short description (e.g. SingaporeTaxi). Analysis Results should be named with the main content of data and also the dimension of measurement (e.g. SingaporeTaxi\_Evenness.csv or Friendship\_Exposure.csv)

**File Organization**

Measurement data from repeated experiments should be saved and submitted as separate files, numbered sequentially (e.g., SingaporeTaxi\_Evenness1.csv or Friendship\_Exposure2.csv).

**File Description**

Please also include a separate README file (.txt or .docx) that provides a description of the data processing and the detail of the metrics.

Note, some iteration on formatting may be required before the results can be merged into the QMVUS database.