

Appendix 1: Description of the research database and code repositories

To prepare the datasets for the analysis I designed a PostgreSQL database with spatial extensions and imported the source data to that database. Then, I wrote a Python application that aggregates the data. The code repository that includes the application code and instructions for recreating my research DB are publicly available at GitHub, at address <https://github.com/pinjaliina/CommuteAggregator>.

Furthermore, I also created another public code repository,

<https://github.com/pinjaliina/AnalyseCommutes>, which includes scripts for:

- further preparing the data for analysis,
- creating attribute tables of the data for QGIS use,
- statistically assessing the QGIS attribute tables and
- plotting and statistically assessing the IC data.

In addition, this repository also contains the attribute tables exported from QGIS for further analysis and previously created IC data maps and statistical output files (the contents of the table 11 of this thesis plus the contents of the other appendices). In addition, the maps of appendix 2 are available interactively through this repository.

With the help of these repositories, a person with a copy of the non-public SSUF dataset should be able to reproduce my work.