**Stata** : Expert:

- https://github.com/sergiozxy/RealEstateBrokerage/blob/main/analysis/final_analysis.do regression analysis in research paper using multiway fixed effect in DID.
- https://github.com/sergiozxy/Replication-Econometrics/blob/main/codes/replication-code.do replication code for a published paper (RCT and DID).
- https://github.com/sergiozxy/RealEstateBrokerage/blob/main/analysis/working%20on%20district%20level.do some codes demonstrating proficiency in data cleaning

**Python** Expert:

- https://github.com/Sergio666zxy/Dental-Clinic-Distribution-and-Impact-Factors/blob/main/regression%20analysis/spatial-regression.ipynb Spatial Regression Analysis using python
- https://github.com/sergiozxy/Urban-Effect-Of-Water-Sediment/blob/main/final%20result.ipynb Codes to use pre-trained deep learning model to predict water sediment.
- https://github.com/sergiozxy/RealEstateBrokerage/blob/main/cleaning/Dec_25_clean_reclean.ipynb codes in python to clean dataset

**R** : Expert:

- https://github.com/babessell1/AluNet/blob/main/Weighted%20Leiden%20Algorithm%20for%20Modeling%20Alu-Mediated%20Enhancer-Promoter%20Interaction%20Networks.html (you need to download this generated html file to see the code, which represents the main result of R codes of leiden algorihtm implementation on gene analysis.)
- https://github.com/sergiozxy/RealEstateBrokerage/blob/main/analysis/RD%20design%20analysis.Rmd (Regression Discontinuity Design Analysis in R)
- https://github.com/babessell1/AluNet/blob/main/r/clean_alu.R (data cleaning in R with Rcpp)
- https://github.com/Sergio666zxy/Dental-Clinic-Distribution-and-Impact-Factors/blob/main/figures/figure-2-and-figure-3.html (using R to conduct spatial distribution statistical analysis.)

**Cpp** : advanced

- https://github.com/babessell1/AluNet/blob/main/rcpp/Leiden.cpp (This is the main algorithm part in the file and you can refer to other files in the same repository.)
- https://github.com/sergiozxy/RealEstateBrokerage/blob/main/classifying%20brokerages/find_stores_within.cpp (integrating C++ in python)