

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/Spatial-Distribution-and-Impact-Factors-of-Private-Dental-Practices-Evidence-from-China/blob/main/regression%20analysis/spregression_8.5.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/Spatial-Distribution-and-Impact-Factors-of-Private-Dental-Practices-Evidence-from-China/blob/main/figures/figure-2-and-figure-3.html> (using R to conduct spatial distribution statistical analysis.)

C++ : 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)