

# Li Xiang

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**Email:** [xiangli@stu.zuel.edu.cn](mailto:xiangli@stu.zuel.edu.cn)

**GitHub:** [//github-one-pear](https://github.com/one-pear)

**Blog:** <https://one-pear.github.io>

**Research interests** Econometric Analysis, GIS Applications in Fiscal Policy, Environmental Economics, Public Finance and Taxation, Inter-generational Economic Issues

**Education** **Zhongnan University of Economics and Law** Wuhan, China  
Master in Public Finance Sept 2021 – Present  
Mentors: Professors Shouwei Qi. GPA: 3.67/4.0.

**Zhongnan University of Economics and Law** Wuhan, China  
Bachelor in Public Finance Sept 2017 – July 2021  
Mentors: Professors Shouwei Qi. GPA: 3.70/4.0.

**Honors and scholarships** National Encouragement scholarship (ZUEL) 2019  
National Encouragement scholarship (ZUEL)) 2020  
Outstanding Graduates (ZUEL)) 2021  
The Second Prize Scholarship (ZUEL) 2022

**Research experience** **Data Processing and Statistical Analysis**  
Mentors: Professor Shouwei Qi (ZUEL)  
Mentors: Professor Kent Matthews(Cardiff Business School) Present  
Used five major econometric methods in Stata and cleaned data from datasets such as the China Health and Nutrition Survey (CHNS), the China Household Income Project (CHIP), and the China Family Panel Studies (CFPS).  
Integrated administrative data by matching industrial, customs, and tax data.  
Used advanced statistical methods, including Staggered Difference in Differences (DID) estimation, Coarsened Exact Matching-Potential Outcomes Framework (CEM-PS) matching estimation, imbalance testing, and Age-Period-Cohort (APC) model estimation.

**Geographic Information Systems (GIS) and Geoinformatics**  
Mentors: Professor Lei Miao (ZUEL) Jan 2022 – June 2022  
Learned GIS technology and completed a range of tasks using ArcGIS Pro and QGIS, including but not limited to, ecological infrastructure experiments, hydrological analysis experiments, pollution analysis experiments, ecological corridor experiments, and interpolation assessment experiments.

**Quantifying CO2 Emissions From Individual Power Plants From Space**  
Mentors: Professor Shouwei Qi (ZUEL) June 2022 – present

Completed tasks such as batch downloading, reading, and visualization of OCO series satellite data, point source CO2 emission estimation based on satellite data under the guidance of Professor Qi. Used wsl2 to package in a Linux environment on Windows, and ran on the college's remote Linux (CentOS7) server.

**Teaching assistant, School of Foreign Studies (ZUEL)** Spring 2019  
English Class

served as a teaching assistant for Professor Hui Hu, responsible for updating course materials, designing classroom tests, and assisting with the grading of after-class assignments.

### Skills

#### **Programming**

Proficient in: Stata, Python, Arcgis.

Familiar with: R, Latex, Matlab.

#### **Interests**

Playing Guzheng(often known as the Chinese zither, is a traditional Chinese string instrument with over 2,500 years of history).

Running short-distance marathons.

### Service and outreach

**China Volunteers Association** Sep 2017 – Present

Participated in community service events to visit the elderly residents in nursing home, and to clean up residential building regularly.