

# Mingyi Li

Homepage

E-mail: lmy3292@outlook.com

Shanghai, China

---

## Research Interests

Urban Economics, Labor Economics, Industrial Organization

---

## Education

**Xiamen University**

2020 – 2023

M.A. in Economics (GPA 3.84)

*Xiamen, Fujian, China*

Master's Thesis, "Impacts of Thermal Power Plants on Population Migration-An Analysis Based on the Spatial Equilibrium Model"

**Southwestern University of Finance and Economics**

2016 – 2020

B.A. in Economics (GPA 3.9)

*Chengdu, Sichuan, China*

---

## Work in Progress

"Consumer Heterogeneity and the Stimulus Effect of Digital Coupons" with Ying Chen, Jiaming Mao, and Jingyi Zhou

**Abstract:** This paper studies the stimulus effect of a large scale digital coupon program implemented in Beijing during the Covid-19 pandemic. Our analysis based on quantile regression uncovers significant variation in responses among those who obtained digital coupons. Using the causal forest approach, we estimate the high-dimensional heterogeneity in consumption responses and identify the key design features that drive spending. Finally, we examine the spatial distribution of the program's stimulus effects and conduct counterfactual analyses to assess the outcomes of alternative programs. Through these empirical investigations, our research sheds light on the dynamics of the digital coupon program and provides valuable insights for policymakers seeking to optimize economic stimulus measures.

"Balancing Growth and Sustainability: the Impact of Coal-Fired Power Plants on Local Labor Markets" with Ying Chen

**Abstract:** In emerging market countries, power shortage is a major obstacle to economic progress. Coal-fired power plants are the primary power source due to their affordability and stable power supply in these regions. However, these plants also contribute to severe air pollution and pose a threat to public health. This paper utilizes a Rosen-Roback style spatial framework and an instrumental variable approach to examine the impact and underlying mechanisms of coal-fired power plants on local labor markets. Our findings indicate that these plants enhance local firm productivity, attracting an inflow of population. However, they also worsen air pollution, leading to an outflow of population. Notably, the inflow of population on average exceeds the outflow at the granular county level. This study highlights the trade-offs faced by emerging economies as they strive to balance the need for a stable electricity supply with concerns about environmental hazards.

---

## Research Experience

Research Assistant for Prof. Ying Chen, XMU

12, 2021 – 06, 2023

- Conducted data cleaning, data visualization, and advanced regression analysis
- Participated in weekly seminars, presenting and discussing frontier research papers

Project Assistant for Prof. Jiong Zhu, XMU

10, 2021 – 02, 2022

- Analyzed unstructured datasets using NLP techniques for econometrics research

Research Assistant for Prof. Yilin Zhang, SWUFE

06, 2018 – 06, 2020

- Contributed to literature review and academic writing
- Assisted in manuscripts review and editing

## Teaching Experience

---

Teaching Assistant, Urban Economics (undergraduate)

09, 2021 – 01, 2022

- Assisted in course preparation and grading
- Provided after-class and office hours support to students

## Work Experience

---

Product Manager, Shanghai Pudong Development Bank (Head Office)

07, 2023 –

- Assisted in data analysis
- Facilitated daily communication with leadership and team members

## Relevant Coursework

---

**Economics: Advanced Microeconomics I (Rank 1) & II, Advanced Macroeconomics I (A) & II (Top 1%), Advanced Econometrics I (A) & II (Top 5%), Urban Economics (Rank 1), Labor Economics, Microeconometrics and Application (A+)**

**Mathematics: Mathematical Economics (top 2%), Advanced Mathematics I (A+) & II, Probability Theory (A+), Advanced Algebra, Data Structure**

*Note:* Courses taken at the master's level are highlighted in bold.

## Awards & Honors

---

National Scholarship, XMU

2021

Teaching Assistant Award, XMU

2021

University Fellowships, SWUFE

2016–2019

## Languages & Skills

---

Languages: English (fluent) and Mandarin (native)

Computer Languages: Python, R, SQL, Linux, Git

Software: STATA, ArcGIS, L<sup>A</sup>T<sub>E</sub>X

## References

---

Ying Chen  
School of Economics  
Paula and Gregory Chow  
Institute in Economics  
Xiamen University  
Email: ychen@xmu.edu.cn

Jiaming Mao  
Wang Yanan Institute  
for Studies in Economics  
Xiamen University  
Email: jmiao@xmu.edu.cn

Shihe Fu  
Economics and Management School  
Wuhan University  
fushihe@whu.edu.cn