

---

# Mingzhe Zhang

Tel: +86-18845276667

Email: 21377319@buaa.edu.cn

## EDUCATION

Beihang University, Beijing, China

09/2021–06/2025

Bachelor's Degree in Economic Statistics

Overall GPA: 3.62/4.0

Core Courses: Macroeconomics, Microeconomics, Political Economy, Probability Theory, Operations Research, Applied Statistics, Nonparametric Statistics, Econometrics, Generalized Linear Models, Bayesian Statistics and Computing, Applied Stochastic Processes, Multivariate Statistical Analysis, Actuarial Science, etc.

## PUBLICATION

- Wang, S., Dong, Y. and Zhang, M., 2023. Digital economy boosts the high-quality development of equipment manufacturing industry in Qiqihar. *Journal of Qiqihar University*, [e-journal] 1008-2638. [Accessed 21 March 2024]. Published on September 25, 2023.
- Zhang, M., 2024. Research on Asset Pricing using Machine Learning Method: Evidence from China's Stock Market, Working Paper
- Liu, X., Tian, D., Zhang, M., 2024. The impact of host country data regulation on OFDI of Chinese digital economy enterprises: A case study of GDPR, The 12th International Conference on Signal and information Processing, Networking and Computers, Chongqing.

## PROFESSIONAL EXPERIENCES

China Academy of Information and Communications Technology on AI Large Models and Digital Maps

07/2024–09/2024

Intern

- Developed an intelligent industrial map application using PySide6, Folium, and GeoPandas, creating a visualization tool for analyzing spatial data heatmaps, correlations, and clusters.
- Conducted statistical analysis of smart transformation data, examining its impacts on the economy, society, and environment.

Qiqihar Longjiang Fufeng Biotechnologies Co., Ltd.

06/2023–08/2023

Finance Intern

- Spearheaded a comprehensive analysis project that mapped out the financial workflows within the company, leading to a 15% improvement in reporting efficiency and a deeper understanding of bio-tech financial management intricacies.
- Developed a financial model that predicted the company's cash flow trends with 98% accuracy, earning recognition from the finance department's head for outstanding analytical skills and attention to detail.
- Organized a series of workshops for interns on corporate financial operations, enhancing team knowledge and fostering a culture of continuous learning and professional growth.

The People's Bank of China, Qiqihar Branch

01/2024–02/2024

Statistician in the Survey and Statistics Department

- Led a pivotal research project on the impact of regional policies on SME financing, which contributed to the development of a new financial support initiative by the bank, aimed at enhancing SME access to funds.
- Created a sophisticated econometric model that accurately forecasted local economic trends, aiding the bank in strategic planning and policy formulation. The model was later adopted as a standard tool within the department.
- Conducted in-depth analyses of banking sector dynamics, producing a series of reports that were highly praised for their insights and recommendations on improving bank operations and customer service strategies.

## RESEARCH EXPERIENCES

Social Insurance Research in China

09/2023–Present

Researcher

Advisor: Professor Haitao Zheng

- Acted as the lead analyst in demographic research, focusing on the collection and descriptive statistical analysis of longitudinal population-related data, such as age distribution and total fertility rates.
- Successfully identified patterns of data evolution to formulate hypotheses for future projections, which significantly contributed to the broader actuarial responsibilities within the social security domain, encompassing meticulous data gathering, engaging in assumption debates, and executing complex calculations through advanced programming techniques.

- 
- Tackled the demographic actuarial segment by collecting data and contributing to parts of the paper writing process.
  - Conducted actuarial analysis on national social insurance for all provinces using the most recent data, integrated the latest figures to propose assumptions more suited to current conditions, and verified the effectiveness of government policies in addressing social security deficits.

### **Research on the Impact and Mechanism of COD Emission Reduction Policies on the Export Choices and Scale of Chinese Manufacturing Enterprises**

09/2023–03/2024

*Researcher*

- Collected and organized data, conducted relevant calculations, and developed code for research models.
- Collaborated with the team to analyze empirical test results and contributed to writing parts of the paper.
- The research has won the third prize in the Beijing Market Economics College Creativity Competition and the third prize in the 24th "Feng Ru Cup" Graduate Student Philosophy and Social Sciences Group of Beihang University.
- The paper has been completed and submitted to a core journal for review.

### **House prices and urban size: Based on the perspective of China's local government land finance**

05/2024–11/2024

- Conducted comprehensive data collection and organized datasets for analysis, ensuring accuracy and relevance to the study on house prices and urban size in China.
- Performed empirical analysis to identify patterns and relationships between local government land finance and urban growth, contributing valuable insights to the field of regional science.
- Developed and refined coding scripts for data processing and analysis, optimizing debugging processes to enhance efficiency and reduce errors.
- Managed the entire translation and revision process of the manuscript, ensuring the research met academic language standards for English-language publication.
- Coordinated the submission process to Regional Science and Urban Economics, liaising with co-authors and journal editors to facilitate a smooth review workflow.

### **The impact of host country data regulation on OFDI of Chinese digital**

09/2024–11/2024

- Successfully presented findings at *The 12th International Conference on Signal and Information Processing, Networking, and Computers (ICSINC 2024)*, contributing to international academic discourse on data regulation and digital investment.
- Conducted in-depth analysis on the impact of host country data regulations on the Outward Foreign Direct Investment (OFDI) of Chinese digital enterprises, highlighting key regulatory challenges and strategic considerations.
- Collaborated closely with a multi-disciplinary research team, leading to authorship as the third author, showcasing effective teamwork and co-authorship in a complex research setting.
- Utilized advanced data analysis techniques to examine cross-border digital investment trends, providing actionable insights for policymakers and industry stakeholders.
- Demonstrated proficiency in academic research methodologies, contributing to a well-received presentation and positive feedback from peers at an international conference.

### **SELECTED HONOURS & AWARDS**

- 
- **First Prize** in the China College Students' Engineering Practice and Innovation Ability Competition (Enterprise Simulation Operation Track), awarded by the Beijing Municipal Education Commission 12/2023
  - **Third Prize** in the 33rd "Feng Ru Cup" Competition, Beijing University of Aeronautics and Astronautics 05/2023

### **LANGUAGE & ACADEMIC ABILITIES**

- 
- IELTS: overall 6.5 (listening: 6.0, reading: 8.5, writing: 6.0, speaking: 6.0) 03/2024
  - Experienced in software: R, Python, MS Office Suite, Stata