

Yangyang (Claire) Meng

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Education

Zhejiang University (ZJU)

Hangzhou

B.A. in Economics; GPA 3.98/4.0 (91.04/100)

2021/09 – 2025/06 (expected)

• Relevant Courses:

- Undergraduate-level courses: Advanced Econometrics (99/100), Industrial Organization Theory (95/100), Mathematical Economics (95/100), Game Theory (91/100), Basics of Machine learning and Data Analysis (100/100), Partial Differential Equation (97/100), Complex Variable Functions and Integral Transformation (99/100), Time Series Analysis (95/100), Stochastic Process (91/100), Probability and Mathematical Statistics (95/100), Linear Algebra (95/100), Calculous (93/100)
- P.h.D-level courses: Topics on Microeconometrics (Prof. [Songnian Chen \(ZJU\)](#)), Industrial Organization I (Prof. [Yanyou Chen \(U of T\)](#))

Research

The Impact of Centralized Land Supply on Land Premiums: Theoretical Explanation and Empirical Analysis

solo-authored, [online draft](#)

2024/03 – Present

Keywords: *land supply; sequential auction; land premium;*

Abstract: This paper simulates the land auction market under the “centralized land supply” policy using a sequential auction model. It proposes that the reason for the continuous decline in land premium rates may be the high risk aversion of state-owned enterprises (SOEs). Additionally, a mathematical model is established to compare four different land transfer methods after the premium rate reaches its peak. The findings show that the expected profits of developers are the same in the cases of highest bid wins, bidding for retention, and bidding for construction. Finally, a difference-in-differences analysis of the land transfer data for 3,363 plots in 34 cities reveals that the centralized land supply policy reduces land premium rates, which aligns with the model conclusions.

Academic Projects

Driving the Drivers: Algorithmic Discrimination and Wage-Setting in Ride-Hailing

work with Prof. [Zhe Yuan \(ZJU\)](#), Prof. [Yanyou Chen \(U of T\)](#) and Prof. [Yao Luo \(U of T\)](#)

2023/05 – 2023/07

- Utilized the Mobile App Automation tool Appium to assist in scraping ride details data from Amap
- Collected rainfall data from various counties and cities in China in recent years, to serve as an instrumental variable for the economic development level of hometowns for rideshare drivers

E-Commerce, Taobao Villages and Urban-rural Income Gap

work with Prof. [Zhe Yuan \(ZJU\)](#)

2023/03 – 2024/05

- Performed a systematic review of China’s rural e-commerce policies and the impact of e-commerce on rural economic development
- Conducted field research at Hualian Village, a Chinese e-commerce demonstration village located in Sandun Town, Hangzhou
- Formulated an empirical econometric model based on the PSM-DID method

Exploring Sales Drivers in Live Streaming E-Commerce: the Interaction between Heterogeneity of Live Streamers and Demonstration Strategies

work with Prof. [Zhe Yuan \(ZJU\)](#), Prof. [Song Yuan \(ZJU\)](#)

2023/05 – 2024/02

- Web-scraped live-streaming data from 685,802 Douyin hosts, including user IDs, gender, geographic location based on IP, and merchandise details. The merchandise-related data includes item price, live sales volume, duration of explanation, and host commission rates, etc
- Constructed a consumer behavior model based on the SOR (Stimulus-Organism-Response) framework

Public-Private Partnerships in the Sewage Treatment Industry

work with Prof. [Yao Luo \(U of T\)](#) and [Jian Zou \(Cornell\)](#)

2024/05 – Present

- Scraped and collected basic information and shareholder data of over 10,000 sewage treatment companies from the Qichacha website
- Carried out a detailed onsite assessment at the Third Sewage Treatment Plant in Yanggu County, Shandong Province
- Developed an initial pricing model for the sewage treatment industry

Green Energy, Sustainable Development: Evidence from Solar Panels in Toronto Residential Areas

work with Prof. [Yao Luo \(U of T\)](#) and Zhengluo Zhang

2024/07 – Present

- Used GIS tools and Python to segment satellite view footprints of Toronto into residential overhead views with unique identifiers
- Trained a classification model using the YOLO algorithm to automatically identify whether rooftops have solar panels

Work Experience

Zhejiang University, School of Economics

Research Assistant for Prof. [Zhe Yuan \(ZJU\)](#)

2023/03 – Present

- Conducted a literature review on the application of artificial intelligence in the field of behavioral economics
- Cleaned and compiled data of hosts and merchandise from the Douyin live-streaming platform
- Employed Python and natural language models to extract key information from literature to facilitate subsequent literature review

University of Toronto, Department of Economics

Research Assistant for Prof. [Yao Luo \(U of T\)](#) and Prof. [Yanyou Chen \(U of T\)](#)

2024/05 – Present

- Tasked with training machine learning algorithms to classify images and obtaining the required database
- Design of industry pricing models and collection of data through web scraping

Honors

- Provincial Government Scholarship (top5%)
- 2021-2022 Zhejiang University Scholarship (top8%)
- 2022-2023 Zhejiang University Scholarship (top8%)

Skills

- Language proficiency: Chinese (native), English (IELTS: 7.5, GRE: 326 (V: 156, Q: 170))
- Programming skills: Python, Stata, Matlab, R, SAS, LaTeX