

# Jesse Yu-Chieh Kuo

Booth School of Business • 1700 E. 56th St. Apt 2807 • Chicago, IL 60637

✉ Jesse.Kuo@chicagobooth.edu ☎ +1 (773) 236-3791 🌐 ujkuo.github.io | Updated: September 17, 2025

## Education

### National Taiwan University

B.B.A. in Information Management; GPA: 3.81 / 4.00

Taipei, Taiwan

Sep. 2018 - Jun. 2023

- **Graduate-level Economics Courses:** Microeconomics, Econometrics, Bayesian and Network Econometrics, Computational Methods for Econometrics, Economic Analysis of Social Networks, Empirical Game Theory.
- **Graduate-level Business Courses:** Information Economics, Platform Strategy, Game-Theoretic Approach Marketing.
- **Computer Science Courses:** Text Mining (Graduate-level), Machine Learning (Graduate-level), Data Structure and Advanced Programming, The Design and Analysis of Algorithms, Database.
- **Mathematics Courses:** Advanced Statistics (Graduate-level), Convex Optimization (Graduate-level), Machine Learning Theory (Graduate-level), ODE/PDE, Operations Research.

## Research

### The University of Chicago Booth School of Business

Chicago, Illinois

Research Professional to Professor **Rimmy E. Tomy**

Jul. 2024 - Present

- **Data and Engineering:** Integrated and visualized 60+ million climate records; analyzed TB-scale mortgage data; constructed emotion measures using the dictionary-based and LLM-based approaches; identified article similarity using BERT-based models and sentence embeddings; applied NLP techniques and LLMs to audio and text data; identified key components using PCA; automated data processing pipeline; collated and updated the replication packages.
- **Causal Inference:** Estimated effects with event-study diff-in-diff for staggered adoption; verified parallel trends with pre-trend and placebo tests; non-parametric kernel regressions; narrative data analysis.
- **Project Involvement:** Banking on Trust: Supervisory Transparency and Depositor's Actions; Trust in Banks and Borrower Behavior: Evidence from Supervisory Actions and Local Information Quality; Perceptions and Credit Access; Social Capital and Enforcement in Digital Lending; Informing Auto Loan Pricing: Salvage Auto Auctions as a Source of Cross-Market Information Signals; Measuring the Economic Impact of Climate Change on the Informal Sector: A Narrative-Based Approach.

### Behavior and Data Science Research Center, National Taiwan University

Research Assistant to Professor **Chih-Sheng Hsieh**

Jun. 2022 - Jun. 2024

- Analyzed the effects of major events and spillovers in the #MeToo movement by adopting West (2021) to calibrate normalized Google Trends time-series data and constructing a two-year panel dataset.
- Applied network analysis to examine suburbanization and rural labor performance in China, leveraging SQL to process a 200GB telecom dataset with tens of billions of mobile communication records.
- Estimated the impact of users' friendship network sizes, behaviors, and patterns on tariff plan choices, call durations, and mobile device selections, with extensions to business research applications.

### Department of Economics, National Taiwan University

Research Assistant to Professor **Yu-Chang Chen, Hsin-Tien (Tiffany) Tsai, and Ming-Jen Lin**, in **CCL Lab**

Aug. 2023 - Jan. 2024

- Analyzed user behavior and purchase outcomes using data from a large e-commerce platform.
- Contributed to an extension of Jeziorski and Segal (2015) to estimate consumer impatience in online shopping.
- Reviewed literature and proposed empirical research designs to assess and enhance the allocation, utilization, and impact of government research funding.

# Teaching

## Operations Research

Teaching Assistant to Professor **Ling-Chieh Kung** at National Taiwan University

Senior Elective, 100+ students

Mar. 2022 - Jun. 2022

- Verified three assignments, two case studies, one writing guidance assignment, and the final exam; authored six corresponding solution sets with the rigorous mathematical explanations.
- Modularized and streamlined the filing and grading workflow by developing course-oriented  $\text{\LaTeX}$  class files and documents; documented core responsibilities and guidance for future TAs in a comprehensive handover file.
- Graded 300+ assignments and 100+ exam papers; managed grade records for 100+ enrolled students.

# Other

## Scholarship

- Sun Chen Scholarship, 2023.

## Service

- Facilitator, Department Expo at NTU Azalea Festival, 2021-2023 – promoted departmental programs, academic pathways, and career outlooks to visiting high school students to support early engagement with higher education.
- Facilitator, Computational Thinking and Programming Design Camp, Department of Information Management (NTUIM), 2021 – guided rural school students in learning foundational programming, logic thinking, and problem-solving.

## Work Experience

- Private tutor, 2018-2024 – taught 40+ students, from elementary school to college students.

## Languages

- **Programming Languages:** Advanced in Python (web scraping, large language models, natural language processing, AWS, etc.), Stata and R (econometrics analysis), SQL and SAS (large-scale data processing), Git, Slurm,  $\text{\LaTeX}$ .
- **Natural Languages:** English, Mandarin Chinese, Taiwanese.