

Xiaoyu (Fisher) Yu

6100 Main St, Houston, TX 77005 • (+1) 608-770-7698 • fisheryu@rice.edu • [Website](#) • [LinkedIn](#)

EDUCATION

- Ph.D. in Economics**, Rice University, Houston, TX *Expected May 2023*
• Job Market Paper: *Bundle Choice with Limited Consideration: An Application to Yogurt*
• References: Xun Tang, Robin Sickles, Maura Coughlin, Arun Gopalakrishnan
- M.A. in Statistics**, Rice University, Houston, TX *Expected May 2023*
- M.Sc. in Economics**, University of Wisconsin-Madison, Madison, WI *May 2017*
- B.Sc. in Statistics**, School of Management, Fudan University, Shanghai, China *Jul 2015*

SKILLS

- Research:** Quantitative Analysis, Applied Econometrics, Economic Modeling, Structural Estimation
Coursework: Mathematical Probability, Multivariate Analysis, Statistical Machine Learning, Asset Pricing
Programming & Software: R, Julia, MATLAB, Stata, Python, SQL, SAS, UNIX, AWS, LaTeX
• **Certificates:** *Databases and SQL for Data Science with Python (with Honors), Machine Learning with Python, AWS Machine Learning Foundations Nanodegree Program*
- Language:** English (Fluent), Mandarin (Native), Spanish (Beginner)

EXPERIENCE

- Researcher**, Department of Economics, Rice University, Houston, TX *Sep 2019–present*
• Analyzed consumers' demand in grocery shopping from **large panel data** on retail and household scanner, uncovered preferences for stores and products under more realistic behavioral assumptions to extend the multinomial logit model, and implemented **in R and Julia** estimation procedures including **maximum likelihood and generalized methods of moments**
• Led a research project on the spillover effects of natural disasters on **deposit rates of banks' local branches** via geographic adjacency and social interaction using a **spatial difference-in-difference approach in R**
• Simulated and estimated complex structural economic models in empirical industrial organization and labor economics, and solved computational challenges with **high performance computing clusters**
• Applied the **double robust machine learning approach** to policy evaluation for an intervention program, estimated the average treatment effect allowing for high-dimensional heterogeneity
• Presented the banking project in **leading finance conferences**, including Financial Management Association Annual Meeting and International Finance and Banking Society Conference
- Teaching Assistant**, Department of Economics, Rice University, Houston, TX *Aug 2017–present*
Selected courses: **Corporate Finance, Business Law and Economics, Macroeconomics, Introduction to Econometrics, Advanced Econometrics, Empirical Methods in Industrial Organization**
• Taught **lab sessions on MATLAB and Stata** independently, prepared supplementary course materials, and graded assignments and exams for instructors
• Explained economic concepts, data analysis methods and econometric models to undergraduates
- Information Assistant**, Jones Graduate School of Business, Houston, TX *Jun 2022–present*
• Facilitated MBA and EMBA students' digital access to various databases for business research
• Supervised a team of Rice undergraduates on improving customer service at the circulation desk
- Research Assistant**, Department of Economics, Rice University, Houston, TX *Aug 2018–May 2019*
• Cleaned datasets in Stata and set up a game theory model for household retirement decisions
• Implemented a simulation and testing procedure **in MATLAB** to confirm the relevance of strategic interactions in retirement decisions of couples using a new theoretical econometric framework

Grants and Awards

- Department of Economics Doctoral Fellowship (\$27,000 x 5), Rice University *Aug 2017–May 2022*
• Social Sciences Research Institute's Graduate Conference Grants, Rice University *Dec 2021*
• Best Academic Performance in Master Program, University of Wisconsin-Madison *May 2017*
• First Prize of Outstanding Students, Fudan University *Jul 2015*