

Xiaoyu (Fisher) Yu

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EDUCATION

Ph.D. in Economics , Rice University, Houston, TX	<i>Expected May 2023</i>
<ul style="list-style-type: none">• Job Market Paper: <i>Bundle Choice with Limited Consideration: An Application to Yogurt</i>• References: Xun Tang, Robin Sickles, Maura Coughlin, Arun Gopalakrishnan	
M.A. in Statistics , Rice University, Houston, TX	<i>Expected May 2023</i>
M.S. in Economics , University of Wisconsin-Madison, Madison, WI	<i>May 2017</i>
B.S. in Statistics , School of Management, Fudan University, Shanghai, China	<i>Jul 2015</i>

SKILLS

Research: Discrete Choice Model, Empirical Industrial Organization, Causal Inference, Applied Econometrics
Coursework: Mathematical Probability, Multivariate Analysis, Statistical Machine Learning, Computational Science
Programming & Software: R, Julia, MATLAB, Stata, Python, SQL, SAS, UNIX, AWS, LaTeX, MS Office
• **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	<i>2019–present</i>
<ul style="list-style-type: none">• Analyzed consumers' demand in grocery shopping from large datasets on retail and household scanner, uncovered preferences for stores and products under more realistic behavioral assumptions via advanced econometric tools, and implemented sophisticated estimation procedures including maximum likelihood and generalized methods of moments in R and Julia• Simulated and estimated complex structural economic models in empirical industrial organization and labor economics, and solved computational challenges with high performance computing clusters• Studied the spillover effects of natural disasters on local deposit rates via geographic adjacency and social interaction using a spatial difference-in-difference method in R and Stata• Applied the double robust machine learning approach to policy evaluation for an intervention program, estimated the average treatment effect allowing for high-dimensional heterogeneity• Produced 4 research papers, and presented in 4 regional and international academic conferences	
Information Assistant , Jones Graduate School of Business, Houston, TX	<i>Jun 2022–present</i>
<ul style="list-style-type: none">• Facilitated students' digital access to various databases for business research in the information center• Led a team of Rice students on improving customer service at the circulation desk	
Research Assistant , Department of Economics, Rice University, Houston, TX	<i>Aug 2018–May 2019</i>
<ul style="list-style-type: none">• 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	
Teaching Assistant , Department of Economics, Rice University, Houston, TX	<i>Aug 2017–present</i>
Selected courses: Introduction to Econometrics, Advanced Econometrics, Macroeconomics, Business Law and Economics, Corporate Finance, Empirical Methods in Industrial Organization <ul style="list-style-type: none">• Taught lab sessions on Stata and MATLAB independently, prepared supplementary course materials, and graded assignments and exams for instructors• Explained economic concepts, data analysis methods and econometric models to undergraduates	
Grants and Awards	
<ul style="list-style-type: none">• Department of Economics Doctoral Fellowship (\$27,000 x 5), Rice University• Social Sciences Research Institute's Graduate Conference Grants, Rice University• Best Academic Performance in Master Program, University of Wisconsin-Madison• First Prize of Outstanding Students, Fudan University	
	<i>Aug 2017–May 2022</i>
	<i>Dec 2021</i>
	<i>May 2017</i>
	<i>Jul 2015</i>