

Yuya Shimizu

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Education

Ph.D. University of Wisconsin-Madison , Economics	Sep 2021 – May 2027 (expected)
• Doctoral Minor in Mathematics	
M.S. University of Wisconsin-Madison , Economics	Sep 2021 – Dec 2023
M.A. Keio University , Tokyo, Japan, Economics	Apr 2018 – Sep 2019
• Advisor: Takahiro Hoshino	
B.A. Keio University , Tokyo, Japan, Economics	Apr 2014 – Mar 2018

Research Interest

Primary: Econometrics

Secondary: Causal Inference, Industrial Organization

Publication

“Doubly Robust-type Estimation of Population Moments and Parameters in Biased Sampling,” with Takahiro Hoshino, *Stat*, (2019), 8(1), e241

Working Paper

“Nonparametric Regression under Cluster Sampling,” *R&R at Journal of Econometrics*

“Optimal Testing in a Class of Nonregular Models,” with Taisuke Otsu

“Design-Based and Network Sampling-Based Uncertainties in Network Experiments,” with Kensuke Sakamoto

Work in Progress

“Testing Inequalities Linear in Nuisance Parameters,” with Gregory Cox and Xiaoxia Shi

Research Experience

Research Assistant for Prof. Xiaoxia Shi	2022 – 2024, Summer 2025
Part-time Researcher, RIKEN	2020 – 2021
Research Assistant for Prof. Takahiro Hoshino	2018 – 2021
Project Research Fellow, Statistics Bureau of Japan, Ministry of Internal Affairs	2018 - 2019

Teaching Experience

TA for Econometrics I (Ph.D.), UW-Madison	Spring 2025
TA for Econometrics I (Ph.D.), UW-Madison	Fall 2024
TA for Artificial Intelligence and Industrial Economy (Undergraduate), Keio	Spring 2021
TA for Independent Research Project C (Undergraduate), Keio	Fall 2018 Spring 2018
TA for Economic Theory Courses “Statistics and Data Analysis for Policy Making” (Graduate-level), Cabinet Office, Japan	Summer 2018

Translation Work

Imbens, G. W. and D. B. Rubin / Shigemasu, K. and Hoshino, T. (supervisors of a translation), “Causal Inference in Statistics, Social, and Biomedical Sciences: An Introduction,” (translation into Japanese; *responsible for Chapters 15 and 16*), Asakura Publishing, (2023).

Presentation

2025: Wisconsin Econometrics Student Seminar, World Congress of the Econometric Society (Seoul, scheduled), Midwest Econometrics Group (Urbana, scheduled), Canadian Econometric Study Group Meeting (Ottawa, scheduled)

2024: Kobe, Keio, Econometric Society European Meetings (Rotterdam), Canadian Econometric Study Group Meeting (Toronto), Southern Economic Association 94th Annual Meeting (Washington DC)

2023: Wisconsin Econometrics Student Seminar

2022: Wisconsin Econometrics Student Seminar

2019: Eastern Asia Meeting on Bayesian Statistics (Kobe)

2018: Japanese Joint Statistical Meeting (Tokyo), Keio

Honor & Fellowship

Juli Plant Grainger Outstanding Teaching Assistant Award, UW-Madison	2025
Summer Research Fellowship, UW-Madison	2023, 2025
Student Research Grants Competition (travel funds), UW-Madison	2024
Summer Research Fellowship (with Kensuke Sakamoto), UW-Madison	2024
Kanematsu Prize, Kobe University	2023
Keio Global Fellowship, Keio University	2021 - 2022
Takeo Yazaki Memorial Scholarship	2021

Research Fellow of Japan Society for the Promotion of Science (DC1)	2020 - 2021
Keio University Scholarship	2016 - 2018

Referee

Psychometrika

Other Academic Activity

Machine Learning in Economics Summer Institute, Chicago Booth	2025
Econometric Society Summer School in Dynamic Structural Econometrics, UW-Madison	2024

Language

English (fluent), Japanese (native)

Programming

MATLAB, R, Python, PyTorch, Julia, STATA, SQL