

Yuya Shimizu

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Education

Ph.D. University of Wisconsin-Madison , Economics	Sep 2021 – May 2027 (expected)
<ul style="list-style-type: none">• Doctoral Minor in Mathematics• Committee: Bruce Hansen, Jack Porter, Xiaoxia Shi	
M.S. University of Wisconsin-Madison , Economics	Sep 2021 – Dec 2023
M.A. Keio University , Tokyo, Japan, Economics	Apr 2018 – Sep 2019
<ul style="list-style-type: none">• Advisor: Takahiro Hoshino	
B.A. Keio University , Tokyo, Japan, Economics	Apr 2014 – Mar 2018

Research Interest

Primary: Econometrics

Secondary: Causal Inference, Industrial Organization

Publication

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

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

Working Paper

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

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

“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 / Shigemasa, 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), Midwest Econometrics Group (Urbana), Canadian Econometric Study Group Meeting (Ottawa)

2024: Kobe, Keio, Wisconsin Econometrics Student Seminar, Econometric Society European Meetings (Rotterdam), Canadian Econometric Study Group Meeting (Toronto), Southern Economic Association (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
Department of Economics Fellowship, UW-Madison	2023, 2025
Summer Research Fellowship, UW-Madison	2023, 2025
Summer Research Fellowship (with Kensuke Sakamoto), UW-Madison	2024
Student Research Grants Competition (travel funds), 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

Discussant

Canadian Econometric Study Group Meeting (Ottawa), "A New Design-Based Variance Estimator for Finely Stratified Experiments," by Y. Bai, X. Huang, J. P. Romano, A. M. Shaikh, & M. Tabord-Meehan	2025
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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

Reference

Bruce E. Hansen (Co-chair)
 Professor of Economics
 University of Wisconsin-Madison
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 Phone: 608-263-3880

Jack R. Porter (Co-chair)
 Professor of Economics
 University of Wisconsin-Madison
 Email: jrporter@ssc.wisc.edu
 Phone: 608-263-3870

Xiaoxia Shi
 Professor of Economics
 University of Wisconsin-Madison
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