

# Yuya Shimizu

📍 Madison, WI    ✉ yuya.shimizu@wisc.edu    🔗 <https://yshimizu-econ.github.io/>

## Education

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

## Research Interest

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Primary: Econometrics

Secondary: Causal Inference, Industrial Organization

## Publication

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“Nonparametric regression under cluster sampling,” *Journal of Econometrics*, (2025), 252, 106102

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

## Working Paper

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“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

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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

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TA for Econometrics II (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

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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

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**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

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Richard A. Meese Dissertation Fellowship, UW-Madison	2026
Walker Family Dissertation Fellowship, UW-Madison	2025
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

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Psychometrika

## Discussant

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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

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

## Language

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English (fluent), Japanese (native)

## Programming

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MATLAB, R, Python, PyTorch, Julia, Stata, SQL, Linux cluster computing

## Reference

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**Bruce E. Hansen** (Co-chair)  
 Professor of Economics  
 University of Wisconsin-Madison  
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**Jack R. Porter** (Co-chair)  
 Professor of Economics  
 University of Wisconsin-Madison  
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 Phone: 608-263-3870

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 Phone: 608-262-8910