

# Hiroaki Kaido

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## Academic Positions

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### **Boston University, Department of Economics**

*Associate Professor (with tenure)*

2018–

*Assistant Professor*

2010–2018

### **Visiting appointments**.....

#### **Harvard University, Department of Economics**

*Visiting Scholar*

*Fall 2025*

#### **Microsoft Research, New England Lab**

*Visiting Scholar*

*Spring 2019*

#### **MIT, Department of Economics**

*Visiting Scholar*

*Spring 2015*

#### **Yale University, Cowles Foundation**

*Visiting Assistant Professor*

*Fall 2012*

## Education

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### **University of California, San Diego**

*Ph.D. in Economics*

2010

Dissertation committee: Halbert White (chair)

Ivana Komunjer, Dimitris Politis, Andres Santos, Allan Timmermann, Rossen Valkanov

### **Hitotsubashi University**

*M.A. in Economics*

2005

### **Osaka University**

*B.A. in Economics*

2003

## Research Interests

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Econometric Theory, Microeconometrics

## Honors, Fellowships, and Grants

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### **Grants**.....

**2025-2027:** National Science Foundation, SES-2520365

**2020-2024:** National Science Foundation, SES-2018498

**2018-2020:** National Science Foundation, SES-1824344

**2014-2016:** National Science Foundation, SES-1357643

**2012-2013:** National Science Foundation, SES-1230071

**2010:** Travel Grant, Econometric Society World Congress

**2010:** Travel Grant, UCSD

## Awards

- 2015-2016: Advisor of the Year, Graduate Economics Association, BU
- 2009 Spring: Economics Department Research Fellowship, UCSD
- 2007-2008: Walter P. Heller Memorial Prize, The Best Third-year Paper, UCSD
- 2007-2008: Teaching Assistant Excellence Award, Graduate Course, UCSD
- 2005-2010: Tuition Scholarship, UCSD
- 2005-2010: Nakajima Foundation Scholarship

## Publications

- "Discussion: Misspecification in Econometrics," *Econometric Society Conference Volume for 2025 World Congress*, forthcoming
- "Applications of Choquet Expected Utility to Hypothesis Testing with Incompleteness,"  
*Japanese Economic Review*, 74, (2023) 551–572 (with Yi Zhang)  
Special Issue: Statistical Decision Theory and Treatment Choice, T. Kitagawa and A. Tetenov (eds.)
- "Nonparametric Identification of Random Coefficients in Endogenous and Heterogeneous Aggregate Demand Models,"  
*Econometrics Journal*, 26(2), (2023) 279–306 (with Fabian Dunker and Stefan Hoderlein).
- "Constraint Qualifications in Partial Identification"  
*Econometric Theory*, 38(3), (2022) 596–619 (with Francesca Molinari and Jörg Stoye).
- "Decentralization Estimators for Instrumental Variable Quantile Regression Models,"  
*Quantitative Economics*, 12(2), (2021) 443–475 (with Kaspar Wüthrich).
- "Confidence Intervals for Projections of Partially Identified Parameters,"  
*Econometrica*, 87(4), (2019) 1397–1432 (with Francesca Molinari and Jörg Stoye).
- "Nonparametric Identification of the Distribution of Random Coefficients in Binary Response Static Games of Complete Information,"  
*Journal of Econometrics*, 206(1), (2018) 83–102 (with Fabian Dunker, Stefan Hoderlein, and Robert Sherman).
- "Asymptotically Efficient Estimation of Weighted Average Derivatives with an Interval Censored Variable,"  
*Econometric Theory*, 33, (2017) 1218–1241.
- "Robust Confidence Regions for Incomplete Models,"  
*Econometrica*, 84(5), (2016) 1799–1838 (with Larry Epstein and Kyoungwon Seo).
- "A Dual Approach to Inference for Partially Identified Econometric Models,"  
*Journal of Econometrics*, 192(1), (2016) 269–290.
- "A Two-Stage Procedure for Partially Identified Models,"  
*Journal of Econometrics*, 182(1), (2014) 5–13 (with Halbert White).
- "Asymptotically Efficient Estimation of Models Defined by Convex Moment Inequalities,"  
*Econometrica*, 82(1), (2014) 387–413 (with Andres Santos).
- "Estimating Misspecified Moment Inequality Models,"  
*Recent Advances and Future Directions in Causality, Prediction, and Specification Analysis: Essays in Honour of Halbert L. White Jr.* (2012) Springer-Verlag (with Halbert White).
- "Inference on Risk Neutral Measures for Incomplete Markets,"  
*Journal of Financial Econometrics*, 7(3), (2009) 199–246 (with Halbert White).
- "Re-evaluating Consumption CAPM: Evidence from Pseudo-Cohort Data on Household Asset Holdings in

Japan," (written in Japanese)  
*Gendai Finance*, 21, (2007) 3–29.

## Working Papers

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"Information Based Inference in Models with Set-valued Predictions and Misspecification," (with Francesca Molinari), conditionally accepted at *Econometrica*

"Robust Tests of Model Incompleteness in the Presence of Nuisance Parameters," (with Shuowen Chen), R&R at *Econometric Theory*

"Set-valued Control Functions." (with Sukjin Han)

"Testing Exclusion and Shape Restrictions in Potential Outcomes Models," (with Kirill Ponomarev)

"Testing Information Ordering for Strategic Agents," (with Sukjin Han and Lorenzo Magnolfi)

"Robust Likelihood-ratio Tests in Incomplete Economic Models," (with Yi Zhang)

"Universal Inference for Incomplete Models" (with Yi Zhang)

"Calibrated Projection in MATLAB: Users' Manual," (with Francesca Molinari, Joerg Stoye, and Matt Thirkettle)

"Moment Inequalities in the Context of Simulated and Predicted Variables" (with Jiaxuan Li and Marc Rysman)

"Model Selection Tests for Incomplete Models," (with Yan Liu)

## Work in Progress

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"Simple Inference for Constrained Optima," (with Francesca Molinari and Jörg Stoye)

"Misspecification-Robust Inference in Mean and Quantile Regression Models with Set-Valued Outcomes" (with Francesca Molinari)

## Teaching Experience

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### Boston University

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Statistical Analysis (EC223), Undergraduate level

Empirical Economic Analysis (EC303), Undergraduate level

Economic Statistics (EC305), Undergraduate level

Statistics for Economists (EC507), M.A. level

Econometrics (EC508), M.A. level

Advanced Statistics (EC707), Ph.D. level

Advanced Econometrics I (EC708), Ph.D. level

Advanced Econometrics II (EC709), Ph.D. level

Advanced Topics in Econometrics (EC711), Ph.D. level

### Yale University

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Econometrics VI (Econ 557a), Ph.D. level

## Presentations and Visits

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### Conferences and Workshops (past 5 years, some scheduled)

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**Aug, 2025:** Econometric Society World Congress, Seoul

**Jun, 2025:** IAAE 11th Annual Conference, Torino

**Jan, 2025:** ASSA Meetings, San Francisco (discussant)

**Aug, 2024:** EEA-ESEM 2024, Rotterdam

**Jun, 2024:** Kyoto Summer Workshop on Applied Economics 2024

**Jun, 2024:** SJE International Symposium, Seoul National University, Seoul

**Jun, 2024:** KER International Conference, Pyeongchang

**May, 2024:** Workshop on Econometrics and Models of Strategic Interaction, Napoli

**Aug, 2023:** Summer Econometrics Forum, U. Tokyo

**Jul, 2023:** Asia Meeting of the Econometric Society (East and Southeast Asia), NTU, Singapore

**Jun, 2023:** North American Summer Meeting of the Econometric Society, UCLA

**Aug, 2022:** CEMMAP/SNU Workshop, Seoul National University, Virtual

**May, 2022:** Spring Japanese Economic Association Meeting, Mentoring Session, Virtual

**Aug, 2020:** Virtual Econometric Society World Congress, Bocconi University

**Jan, 2020:** North American Winter Meeting of the Econometric Society, San Diego

**Oct, 2019:** The 2nd CEMMAP UCL/Vanderbilt Joint Conference, Vanderbilt University

**Jun, 2019:** Workshop on Advances in Microeconometrics, Beppu

**Seminars (past 5 years, some scheduled).....**

**2026:** University of Connecticut, University of Wisconsin, UCLA, USC, Aarhus

**2025:** Keio U., Nanyang Technological University, Singapore Management University, Kobe U., Kyoto U., Harvard, Cornell, Harvard/MIT, U. Toronto, Washington University St. Louis

**2024:** U. Chicago, CyberAgent AI Lab, Toulouse, University of Montreal, Warwick, University College London

**2023:** Microsoft Research, U. Bristol, Erasmus University Rotterdam, Chamberlain seminar (panelist), U. Tokyo (×2), Hitotsubashi U., Boston University

**2022:** Yale University, University of Michigan, Bristol/Warwick, UC Davis, University of Iowa

**2021:** Boston University, University of Southern California, University of Tokyo, University of Mannheim (joint with Bonn/Frankfurt/Heidelberg/Karlsruhe), Johns Hopkins University

**Short Academic Visits.....**

**July, 2025:** Faculty of Economics & ISER, University of Osaka

**July, 2023:** CIRJE, University of Tokyo

**July, 2019:** CREPE, University of Tokyo

**July, 2019:** Kyoto Institute of Economic Research, Kyoto University

**May, 2016:** Department of Economics, University College London

**Lectures.....**

**July, 2025:** Econometrics of Incomplete Models: A Guided Tour, University of Osaka (ISER)

**July, 2019:** Inference for Incomplete Economic Models: Robustness, Efficiency, and Testability (CREPE Lectures), University of Tokyo

**May, 2015:** A Tutorial Session on Estimation of Parameters Satisfying Inequality Restrictions, Japanese Economic Association Spring Meeting, Niigata

**June, 2012:** A Lecture on Estimation and Inference for Partially Identified Models: Recent Developments and Applications, University of Tokyo

## Professional Activities

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### Memberships.....

Econometric Society, American Economic Association

### Professional Services.....

**Co-Editor:** *Japanese Economic Review*

**Associate Editor:** *Journal of Econometrics, Econometric Theory*

**Referee:** *American Economic Review, Annals of Statistics, Econometrica, Econometrics Journal, Econometric Reviews, Econometric Theory, Economic Journal, Gendai Finance, Journal of the American Statistical Association, Journal of Applied Econometrics, Journal of Business & Economic Statistics, Journal of Econometrics, Journal of Economic Dynamics & Control, Journal of Economic Theory, Journal of Empirical Finance, Journal of Mathematical Analysis & Applications, Journal of Political Economy, Journal of the Royal Statistical Society: Series B, Journal of Statistical Planning & Inference, Macroeconomic Dynamics, Quantitative Economics, Quantitative Finance & Economics, Review of Economic Studies, Review of Economics & Statistics, SIAM Journal on Control and Optimization, Statistical Papers, Statistics & Probability Letters.*

**Reviewer:** *NSF Grant Proposals, Cambridge University Press (Book Proposals)*

**Panelist:** *National Science Foundation*

### Conference organization.....

**Co-Organizer:** Joint BU-BC Econometrics Workshop, 2011, 2013, 2015, 2017, 2019, 2024

**Scientific Committee:** Asian Meeting of the Econometric Society, 2023, IAAE Annual Meeting, 2025

### University services.....

Lecture Promotion Committee, Boston University, College of Arts and Sciences (2020-2024)

### Department services.....

Ph.D. Admissions, BU, (2024-2025)

Ad hoc Advisory Committee for Next Chair of Economics, BU, (2023)

Senior Faculty Appointments Committee, BU, (2019-2020)

Junior Faculty Appointments Committee, BU, (2010-2011, 2013-2014, 2016-2018)

Merit Equity Advisory Committee, BU, (2016)

Ph.D. Admissions Committee, BU, (2010-2011, 2013-2014, 2016-2018, 2020-2024)

Graduate Instructions Committee, BU, (2015-2020)

Undergraduate Instructions Committee, BU, (2010-2011, 2013-2014, 2016-2017)

Visitors Committee, BU, (2018)

Faculty Liaison to the Scientific Computing Facility, BU, (2018)

Co-organizer of the Econometrics Seminar, BU, (2010-2011, 2013-2014, 2016-2017, 2021)

Graduate Program Committee, Student Representative, UCSD, (2008)

## Ph.D. Advising

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### Primary advisor (chair or co-chair).....

Michael Gechter (2015, IFPRI (Postdoc) / Pennsylvania State University)

Yi Zhang, (2018, Jinan University)

Undral Byambadalai (2021, Stanford University (Postdoc) / Cyber Agent AI Lab)  
Xunkang Tian, (2024, European Research University (Postdoc))  
Qifan Han, (2025, CUHK Shenzhen)  
Yan Liu, (2025, U. Toronto (PostDoc) / Kyoto U.)  
Liang Zhong, (2025, University of Hong Kong)  
Zhanyuan Tian, expected to graduate in 2026  
Haoran Pan, expected to graduate in 2026

**Committee member:**.....

Sungju Chun (2011, KISDI)  
Adam McCloskey (2011, Brown University)  
Denis Tkachenko (2012, National University of Singapore)  
Seongyeon Chang (2014, Xiamen University)  
Aparna Dutta (2015, Bates White)  
Grace Yu (2015, Charles River Associates)  
Jiaxuan Li (2016, Amazon)  
Fan Zhuo (2016, Amazon)  
Talal Rahim (2017, Digonex Technologies)  
Alessandro Casini (2019, University of Rome Tor Vergata)  
Junwen Lu (2019, Arbella Insurance)  
Siyi Luo (2019, Lime)  
Shuang Wang (2021, Charles River Associates)  
Chuqing Jin (2022, Carnegie Mellon University (Postdoc)/U. Toulouse (Assistant Professor))  
Anlong Qin (2022, ZheJiang Gongshang University)  
Shuowen Chen (2022, Bates White)  
Yunus Kurt (2023, Analysis Group)  
Patrick Power (2024, Boston University Questrom School, PostDoc)  
Tim Lee, (2024, Analysis Group)  
Matthew Hong, (2025, Capital One)  
Stella Hong, expected to graduate in 2026

**Other information**

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**Citizenship:** Japanese citizen, U.S. permanent resident