

Hiroaki Kaido

270 Bay State Rd. – Boston, MA 02215

☎ (617) 358-5924 • ✉ hkaido@bu.edu • <http://people.bu.edu/hkaido>

Academic Positions

Department of Economics, Boston University

Associate Professor (with tenure) 2018–

Assistant Professor 2010–2018

Visiting appointments

Microsoft Research New England

Visiting Scholar Spring 2019

Department of Economics, MIT

Visiting Scholar Spring 2015

Cowles Foundation, Yale University

Visiting Assistant Professor Fall 2012

Education

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

Econometric Theory, Microeconometrics

Honors, Fellowships, and Grants

Grants

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

- "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

"Information Based Inference in Models with Set-valued Predictions and Misspecification," (with Francesca Molinari), R&R 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 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

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

"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

Boston University.....

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.....

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

Presentations and Visits

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

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).....

2025: Cornell University, Keio University, University of Osaka, Nanyang Technological University, Singapore Management University, Kobe University, Kyoto University, 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

2020: Duke University (virtual)

Short Academic Visits.....

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, 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

Memberships.....

Econometric Society, American Economic Association

Professional Services.....

Co-Editor: *Japanese Economic Review*

Associate Editor: *Journal of Econometrics*

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 Empirical Finance, Journal of Mathematical Analysis & Applications, Journal of Political Economy, 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

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

Citizenship: Japanese citizen, U.S. permanent resident