

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.....

2020-2023: 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

“Constraint Qualifications in Partial Identification”

Econometric Theory, forthcoming (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

“Robust Likelihood-ratio Tests in Incomplete Economic 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)

“Nonparametric Identification of Random Coefficients in Endogenous and Heterogeneous Aggregate Demand Models,” (with Fabian Dunker and Stefan Hoderlein).

Work in Progress

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

“Testing for Information Structure under Bayes Correlated Equilibrium,” (with Sukjin Han, Lorenzo Magnolfi, and Camilla Roncoroni)

“Information Based Inference with Set-valued Observations or Predictions,” (with Francesca Molinari)

“Robust Score Tests for Incomplete Models with Nuisance Parameters,” (with Shuowen Chen)

Teaching Experience

Boston University.....

Empirical Economic Analysis (EC303), Undergraduate level

Economic Statistics (EC305), Undergraduate 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

University of California, San Diego.....

Tutor for the Econometrics Qualifying Examination

Teaching Assistant for Microeconometrics and Panel Data (220C), Ph.D. level

Teaching Assistant for Decisions under Uncertainty, Econometrics (Linear and Nonlinear Models), Financial Investments, Financial Markets, and Public Policy, Undergraduate level

Hitotsubashi University.....

Teaching Assistant for Advanced Macroeconomics, M.A. level

Presentations and Visits

Conferences and Workshops.....

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

Nov, 2018: Conference on Incomplete Models, Northwestern University

Jun, 2018: North American Summer Meeting of the Econometric Society, UC Davis

Jun, 2018: New Frontiers in Econometrics, University of Connecticut

Apr, 2018: Second Econometrics Workshop at Notre Dame, University of Notre Dame

Jan, 2018: North American Winter Meeting of the Econometric Society, Philadelphia

Dec, 2017: Joint BU-BC Econometrics Workshop, Boston University

Sep, 2017: Japanese Economic Association Fall Meeting, Aoyama Gakuin University

Sep, 2017: CEME/NSF/NBER Conference on Inference in Nonstandard Problems, UCLA

Jun, 2017: Workshop on Advances in Microeconometrics, Hakodate

Jun, 2017: International Association for Applied Econometrics Annual Conference, Sapporo
Aug, 2016: CEMMAP Workshop: Advances in Microeconometrics, Doshisha University
Aug, 2016: Asia Meeting of the Econometric Society, Doshisha University
Aug, 2016: KEA-KAEA International Conference, Sogang University
Jun, 2016: Recent Advances in Econometrics, Toulouse School of Economics
Jun, 2016: North American Summer Meeting of the Econometric Society, University of Pennsylvania
Dec, 2015: Joint BU-BC Econometrics Workshop, Boston University
Sep, 2015: CEME/NSF/NBER Conference on Inference in Nonstandard Problems, Cornell University
Aug, 2015: Econometric Society World Congress, Montreal
May, 2015: International Symposium on Econometric Theory and Applications (SETA), Hitotsubashi University
Jan, 2015: North American Winter Meeting of the Econometric Society, Boston
Jun, 2014: Workshop on Advances in Microeconometrics, Hakone
Jun, 2014: CEME/NSF/NBER Conference on Inference in Nonstandard Problems, Princeton University
Dec, 2013: Demand Estimation and Modeling Conference, Boston College
Nov, 2013: Joint BU-BC Econometrics Workshop, Boston University
Aug, 2013: CEME/NSF/NBER Microeconometrics Conference, Stanford University
Aug, 2013: Asian Meeting of the Econometric Society, National University of Singapore
Dec, 2012: Joint BU-BC Econometrics Workshop, Boston College
Sep, 2012: Second CIREQ-CEMMAP Workshop on Incomplete Models, CIREQ, Montreal
May, 2012: International Symposium on Econometric Theory and Applications (SETA), Shanghai Jiaotong University
Apr, 2012: Conference on Partial Identification and Statistical Decisions, Cornell University
Apr, 2012: CEMMAP Workshop: New Developments in the Use of Random Sets in Economics, University College London
Jan, 2012: North American Winter Meeting of the Econometric Society, Chicago
Nov, 2011: Joint BU-BC Econometrics Workshop, Boston University
Jul, 2011: International Economic Association 16th World Congress, Tsinghua University
May, 2011: Conference in Honor of Halbert L. White, Jr. - Causality, Prediction, and Specification Analysis: Recent Advances and Future Directions, UCSD
Aug, 2010: Econometric Society World Congress, Shanghai
Jul, 2007: JSAA 15th Biannual Conference, Australian National University
Seminars (some scheduled).....
2022: Bristol/Warwick
2021: Boston University, University of Southern California, Johns Hopkins University, University of Mannheim (joint with Bonn/Frankfurt/Heidelberg/Karlsruhe)
2020: Duke University (virtual)
2019: Princeton University, Jinan University, Hong Kong University of Science & Technology, Kyoto University, Hitotsubashi University
2018: National University of Singapore, Singapore Management University, Kansai University, Kyoto University,

Kobe University, Harvard University/MIT, Columbia University, Michigan State University

2017: Kobe University, GRIPS, Rutgers University, UCSD, UCLA, Cornell University, Texas A&M, University of Western Ontario

2016: University of Southern California, Tinbergen Institute, CEMFI, University of Chicago, Cornell University, Boston University

2015: MIT, Boston University, Harvard University, University of Wisconsin-Madison, University of North Carolina, University of California San Diego, Osaka University, University of Tokyo, University of Arizona, University College London, University of Cambridge, London School of Economics

2014: Michigan State University, University of Toronto, Pennsylvania State University, New York University, Vanderbilt University, Kyoto University, Brown University

2013: Boston University, Cornell University

2012: Ohio State University, University of Pittsburgh, University of Texas-Austin, Texas A&M, University of Connecticut, Yale University ($\times 2$), GRIPS, Hitotsubashi University, University of Tokyo, Indiana University Bloomington

2011: Yale University, Boston University (Dept. of Mathematics & Statistics), University of British Columbia, Duke University (Triangle seminar), Kyoto University, University College London, Boston College

2010: Northwestern University, Indiana University Purdue University Indianapolis, Boston College, Brown University, University of Michigan, Cornell University, Boston University, Pennsylvania State University, University of California Los Angeles, University of Arizona

2009: University of California San Diego

Short Academic Visits.....

July, 2019: Center for Research and Education in Program Evaluation, 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

Discussions.....

Jan, 2013: "Credibility of Confidence Sets in Nonstandard Econometric Problems," Müller, U. and A. Norets, Econometric Society Winter Meeting, San Diego

Apr, 2012: "Estimation and Inference for Set-identified Parameters Using Posterior Lower Probability," Kitagawa, T., Conference on Partial Identification and Statistical Decisions, Cornell University

Jan, 2012: "Inference for Best Linear Approximations to Set Identified Functions," Chandrasekhar, A., V. Chernozhukov, F. Molinari, and P. Schrimph, Econometric Society Winter Meeting, Chicago

Interviews.....

Jun, 2013: Hiroaki Kaido and Tatsuyoshi Okimoto: "Keiryō Keizaigaku no Genzai to Shorai (On Recent Advances and Future Directions in Econometrics)," *Keizai Seminar*, No.674 (an interview-based article written

in Japanese)

Professional Activities

Memberships.....

Econometric Society, American Economic Association

Professional Services.....

Associate Editor: *Japanese Economic Review* (2016-)

Referee: *Annals of Statistics, Econometrica, Econometrics Journal, Econometric Reviews, Econometric Theory, Economic Journal, Gendai Finance, 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, Statistical Papers, Statistics & Probability Letters.*

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

Conference organization.....

Organizer of the Joint BU-BC Econometrics Workshop, 2011, 2013, 2015, 2017, 2019

University services.....

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

Department services.....

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)

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)

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

Ph.D. Advising (first placement)

Primary advisor (chair/co-chair):.....

Michael Gechter (2015, Pennsylvania State University, Assistant Professor)

Yi Zhang (2018, Jinan University CEMP, Assistant Professor)

Undral Byambadalai (2021, Stanford University, Graduate School of Business, Post Doc)

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 (expected to graduate in 2022)
Anlong Qin (expected to graduate in 2021)
Shuowen Chen (expected to graduate in 2022)

Other information

Citizenship: Japanese citizen, U.S. permanent resident