

# Hidehiko Ichimura

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Professor of Economics  
Department of Economics  
University of Arizona and University of Tokyo

Date of Birth: 8 May, 1958  
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## Degrees and Honors

- BA Economics (Kusumoto Award) 1981, Osaka University, Japan.
- PhD Economics, 1988, Massachusetts Institute of Technology
- Econometric Society Fellow 2007
- International Association for Applied Econometrics Fellow 2018

## Academic Positions

- Professor, Department of Economics, University of Arizona, August 2018–present
- Professor, Graduate School of Economics, University of Tokyo, April 2016–present
- Professor, Graduate School of Economics and Graduate School of Public Policy, University of Tokyo, April 2007–March 2016
- Professor, Graduate School of Public Policy and Graduate School of Economics, University of Tokyo, April 2005–March 2007
- Faculty Fellow, Research Institute of Economy, Trade and Industry, May 2005–March 2016
- Professor, Department of Economics, University College London, October 2001–March 2005
- Reader, Department of Economics, University College London, July 1999–September 2001
- Research Fellow, Institute for Fiscal Studies, July 1999–March 2005
- Deputy Director, The Leverhulme Centre for Microdata Methods and Practice, January 2001–March 2005
- Associate Professor, Department of Economics, University of Pittsburgh, September 1998–June 1999
- Assistant Professor, Department of Economics, University of Pittsburgh, September 1996–August 1998
- Assistant Professor, Department of Economics, University of Minnesota, September 1987–July 1995
- Fellow, Center for Operations Research & Econometrics, Belgium, September 1990–April 1991
- Visiting Scholar, Institute of Monetary and Economic Studies, Bank of Japan, September 1992–April 1993

- Visiting Assistant Professor, Department of Economics, University of Chicago, April 1993–June 1993
- Visiting Assistant Professor, Department of Economics, University of Chicago, June 1994–June 1996
- Visiting Professor, Department of Economics, University of Chicago, April 2004–June 2004

## Grants

- NSF SES-8809939 with Lung-Fei Lee, July 1988–December 1990, “Semi-parametric Estimation of Microeconomic Models with Qualitative and Limited Dependent Variables.”
- NSF SBR-9730688 PI July 1998–July 2000, “Making Semiparametric Methods Operational: Bridging the Gap Between Theory and Application.” (project is joint with Petra Todd but applied separately)
- NSF STI-9871313 PI (co-PIs John Kagel and Jean-Francois Richard), December 1998–November 2000, “Acquisition and Development of a New Computing Environment for the Department of Economics at University of Pittsburgh.”
- ESRC RES-000-23-0201 “Econometric Analysis of Mechanism Designs” (joint with Tilman Börgers and Steffen Huck) September 2003–August 2006.
- IFAU, Uppsala: Research grant “Advancing Programme Evaluation Methods,” 2003–2006.
- ESRC RES-000-23-0797 “Advancing Programme Evaluation Methods,” November 2004–October 2007.
- JSPS Basic Research (B) 18330040 “Advancing Microeconomic Methods,” April 2006–March 2010.
- JSPS Basic Research (A) 22243020 “Developing Program Evaluation Methods,” April 2010–March 2014.
- JSPS Basic Research (A) 26245029 “Development and Applications of Microeconomic Methods,” April 2014–March 2015.
- JSPS Specially Promoted Research 15H05692 “Construction of Policy-Evaluation-Oriented and Heterogeneity-Sensitive National Transfer Accounts and their Application to Policies for Coping with Declining Fertility and Population Aging,” April 2015–March 2020.
- JSPS Basic Research (A) 20H00072 “Creation of Massive Quasi-Panel Data Based on Census Data, Developing Econometric Methods for Them, and Their Empirical Applications,” 2020-04-01 – 2023-03-31.

## Academic Service

- Editor: Japanese Economic Review (2020 August–Present)
- Econometric Society Council Member (2019 August–2023 July)
- Associate Editor: Journal of the Economics of Ageing (2018 August–present)
- Associate Editor: Journal of Human Capital (2018 August–present)
- President of Japanese Economic Association (2019 June–2020 May)
- Vice President of Japanese Economic Association (2018 June–2019 June)
- Co-Editor: Japanese Economic Review (2015 August–2020 July)
- Council member: Japanese Economic Association (2015 August–2018 June)
- Co-Editor: Review of Economic Studies (2002 April–2003 April)

- Associate Editor: *Review of Economic Studies* (2001–2002 March, 2003 May–2004 April)
- Associate Editor: *Economic Journal* (2000–2004)
- Econometric Society Council Member (2009–2011, 2013–2015)
- Program Co-chair for 2009 Far Eastern Econometric Society Meeting
- Program Co-chair for 2009 Symposium of Econometric Theory and Applications
- Program Committee member for 2006–2008, 2011–2013 Far Eastern Econometric Society Meeting
- Program Committee member for 2006–2007 Japanese Economic Association Meeting
- Programme Committee member for 2001–2006 European Econometric Society Summer Meeting
- Programme Committee member for 2001 North American Econometric Society Winter Meeting
- Programme Committee member for 2000 Econometric Society World Congress
- Programme Committee member for 1998 Econometric Society Winter Meeting
- Organized NSF sponsored Conference for Econometrics and Mathematical Economics (funded to David Kreps (Stanford) and James Powell (Berkeley)) jointly with Bo Honoré (Princeton) in October, 1998 at University of Pittsburgh.

## Publications

- “Estimation of Polynomial Errors-in-Variables Models” (with Jerry Hausman, Whitney Newey, and James Powell), *Journal of Econometrics*, 50, December 1991, 273–295.
- “Semiparametric Estimation of Multiple Index Models: Single Equation Estimation” (with Lung-Fei Lee), *International Symposia in Economic Theory and Econometrics*, edited by William A. Barnett, James L. Powell, and George Tauchen, Cambridge University Press, 1991, 3–49.
- “Optimal Smoothing in Single-Index Models” (with Wolfgang Haerdle and Peter Hall), *Annals of Statistics*, 21, March 21, 1993, 157–178.
- “Semiparametric Least Squares (SLS) and Weighted SLS Estimation of Single-Index Models,” *Journal of Econometrics*, 58(1–2), June 1993, 71–120.
- “Sources of Selection Bias in Evaluating Social Programs: An Interpretation of Conventional Measures and Evidence on the Effectiveness of Matching as a Program Evaluation Method” (with James Heckman, Jeffrey Smith and Petra Todd), *Proceedings of the National Academy of Sciences*, 93, November 1996, 13416–13420.
- “Performance of Matching as an Econometric Estimator: Application to the JTPA Program” (with James Heckman and Petra Todd), *Review of Economic Studies*, 64, 1997, 605–654.
- “Matching as an Econometric Estimator” (with James Heckman and Petra Todd), *Review of Economic Studies*, 65, 1998(2), 261–294.
- “Observable Restrictions of Dynamic Optimization Behavior Under Risk: non-separable case” (First author Kazuya Kamiya) *Japanese Economic Review* March, 1998.
- “Maximum Likelihood Estimation of a Binary Choice Model with Random Coefficients of Unknown Distribution” (with T. Scott Thompson) *Journal of Econometrics*, 86, 1998, 269–295.

- “Characterization of Selection Bias Using Experimental Data” (with James Heckman, Jeffrey Smith, and Petra Todd) *Econometrica*, 66(5), 1998, 1017–1098.
- “Propensity Score Matching with Instrumental Variables,” (with Chris Taber) *American Economic Review, Papers and Proceedings* 2001, 119–124.
- “Semiparametric Reduced-Form Estimation of Tuition Subsidies,” (with Chris Taber) *American Economic Review, Papers and Proceedings* 2002, 286–292.
- “Asymptotic Expansions for some Semiparametric Program Evaluation Estimators” (with Oliver Linton) 2005 in *Identification and inference in econometric models: essays in honor of Thomas J. Rothenberg*, eds. D. W. K. Andrews and J. H. Stock, Cambridge University Press
- “What really happened to consumption inequality in the US?” (with Orazio Attanasio and Erich Battistin), 2006 in *Measurement Issues in Economics – The Paths Ahead: Essays in Honor of Zvi Griliches*, E. Berndt and C. Hulten (eds.).
- “Implementing Nonparametric and Semiparametric Estimators,” (with Petra Todd) 2007 in *Handbook of Econometrics, Vol. 6B* 5369-5468, E. E. Leamer and J. J. Heckman, eds., Amsterdam: Elsevier.
- “Changes in the Distribution of Male and Female Wages Accounting for Employment Composition Using Bounds,” *Econometrica*, 2007, 75, 323–363. (with Richard Blundell, Amanda Gosling, Costas Meghir).
- “Characterization of the asymptotic distribution of semiparametric M-estimators,” (with Simon Lee) 2010, *Journal of Econometrics*, 159 (2), 252–266.
- “Retirement Process in Japan: New Evidence from the Japanese Study on Aging and Retirement (JS-TAR),” (with Satoshi Shimizutani) 173–204, in *Aging in Asia: Findings from new and emerging data initiatives*, edited by James P. Smith and Malay Majmundar, National Research Council of the National Academies, The National Academies Press, Washington D.C., 173–204.
- “Estimating Derivatives in Nonseparable Models with Limited Dependent Variables,” (with Joseph Altonji and Taisuke Otsu) 2012, *Econometrica*, 80 (4), 1701–1719.
- “The matching method for treatment evaluation with selective participation and ineligibles,” 2013, (with Monica Costa Dias and Gerald van den Berg) *Journal of the American Statistical Association*, Vol 108, No 502, 2013, 441–455. DOI:10.1080/01621459.2013.795447
- “The educational upgrading of Japanese youth, 1982-2007 Are all Japanese youth ready for structural reforms?” (with Arai, Yoichi and Kawaguchi, Daiji) *Journal of the Japanese and International Economies*, 2015, 37, 100–126.
- “Optimal Bandwidth Selection for the Fuzzy Regression Discontinuity Estimator,” (with Arai, Yoichi) 2016, *Economic Letters*, 141, 103–106.
- “Simple Estimators for Invertible Index Models,” (with Hyungtail Ahn, James Powell, Paul Ruud) 2018, *Journal of Business and Economic Statistics*, with discussion, 36 (1), 1–10.
- “Describing the impacts of COVID-19 on the labor market in Japan until June 2020,” (with T. Fukai, and K. Kawata), 2021 *The Japanese Economic Review*, 72 (3), 439–470.
- “Simultaneous Selection of Optimal Bandwidths for the Sharp Regression Discontinuity Estimator,” (with Yoichi Arai) 2018, *Quantitative Economics*, 9 (1), 441–482.
- “The Influence Function of Semiparametric Estimators,” (with Whitney Newey) 2022, *Quantitative Economics*, 13 (1), 29–61.
- “Locally Robust Semiparametric Estimation,” (with Victor Chernozhukov, Juan Carlos Escanciano, Whitney K. Newey, James Robins) (forthcoming) *Econometrica*.

## Manuscripts under revision after submission and under review

- “Direct Estimation of Policy Impacts” (with Chris Taber). 2021.
- “End-of-Life Medical and Long-term Care Spending in Japan” (with Konan Hara, Taiyo Fukai, Atsushi Miyawaki, Kazuhiro Abe, Kyogo Kanazawa, Taeko Watanabe, Xueying Jin, Haruko Noguchi, Nanako Tamiya, and Yasuki Kobayashi) 2022.
- “Medical Expenditures over the Life Cycle: Persistent Risks and Insurance” (with Taiyo Fukai, Sagiri Kitao, Minamo Mikoshiba) 2021.

## Draft

- “Quantifying Health Shocks Over the Life Cycle,” (with Taiyo Fukai and Kyogo Kanazawa) 2021.
- “What Do We Learn from Panel Data Created Using Japanese Census?” (with Taiyo Fukai and Konan Hara) 2021.