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Current Position

Professor, Department of Economics, Eller College of Management, University of Arizona
July 2010-present.

Previous Positions

Associate Professor, Department of Economics, Eller College of Management, University of Arizona
July 2004-June 2010.

Visiting Associate Professor, Department of Economics, Harvard University
January 2009-May 2009.

Associate Professor, Department of Economics, University of Miami
July 2001–July 2004 (with tenure, June 2003).

Assistant Professor, Department of Economics, UCLA
July 1998–July 2001.

Education

Harvard University, Ph.D. in Economics, November 1998.

Harvard University, M.A. in Economics, November 1996.

Yale University, B.A. in Economics, Summa Cum Laude, June 1992.

Publications

“Impossibility Results for Nondifferentiable Functionals,” (with J. R. Porter), 2011, forthcoming, *Econometrica*.

“Robustness to Parametric Assumptions in Missing Data Models,” (with B. Graham), 2011, *American Economic Review: Papers & Proceedings* 101(3), 538-543.

“Adaptive Design of Multiple Stage Experiments Using the Propensity Score,” (with J. Hahn and D. Karlan), 2011, *Journal of Business and Economic Statistics* 29(1): 96-108.

“Design of Randomized Experiments to Measure Social Interaction Effects,” (with J. Hahn), 2010, *Economics Letters* 106(1): 51-53.

“Asymptotics for Statistical Treatment Rules,” (with J. R. Porter), 2009, *Econometrica* 77(5): 1683-1701.

“Decision Theory in Econometrics,” 2008, in *The New Palgrave Dictionary of Economics*, Second Edition, Eds. Steven N. Durlauf and Lawrence E. Blume, Palgrave Macmillan.

“The Propensity Score with Continuous Treatments,” (with G. Imbens), 2004, in *Applied Bayesian Modeling and Causal Inference from Incomplete-Data Perspectives*, ed. A. Gelman and X.-L. Meng, New York: Wiley.

“Asymptotic Efficiency in Parametric Structural Models with Parameter-Dependent Support,” (with J. R. Porter), 2003, *Econometrica* 71, 1307-1338.

“Efficient Estimation of Average Treatment Effects using the Estimated Propensity Score,” (with G. Imbens and G. Ridder), 2003, *Econometrica* 71, 1161-1189. Earlier version appeared as NBER Technical Working Paper 251.

“Semiparametric Bayesian Inference in Autoregressive Panel Data Models,” 2002, *Econometrica* 70, 781-799. (Previous version circulated under the title “Semiparametric Bayesian Models for Dynamic Earnings Data.”)

“Combining Panel Data Sets with Attrition and Refreshment Samples,” (with G. Imbens, G. Ridder, and D. Rubin), 2001, *Econometrica* 69, 1645-1659. Earlier version appeared as NBER Technical Working Paper 230.

“Estimation of Causal Effects using Propensity Score Weighting: An Application to Data on Right Heart Catheterization,” (with G. Imbens), 2001, *Health Services and Outcomes Research Methodology* 2: 259-278.

“Assessing the Effect of an Influenza Vaccine in an Encouragement Design with Covariates,” (with G. Imbens, D. Rubin, and X. Zhou), 2000, *Biostatistics* 1, 69-88.

“Predictive Distributions based on Longitudinal Earnings Data,” (with G. Chamberlain), 1999, *Annales d'Économie et de Statistique* 55-56, 211-242.

“A Semiparametric Model for Labor Earnings Dynamics,” in *Practical Nonparametric and Semiparametric Bayesian Statistics*, ed. D. Dey, P. Mueller, D. Sinha, New York: Springer-Verlag, 1998.

Working Papers

“Location Properties of Point Estimators in Linear Instrumental Variables and Related Models” (with J. R. Porter), 2011.

“Identification of Time and Risk Preferences in Buy Price Auctions” (with D. Akerberg and Q. Shahriar), 2011.

“Supplement to ‘Asymptotics for Statistical Treatment Rules’” (with J. R. Porter), 2009.

“The Buy-it-now Option, Risk Aversion, and Impatience in an Empirical Model of EBay Bidding,” (with D. Akerberg and Q. Shahriar), 2006.

“Efficiency in Asymptotic Shift Experiments,” (with J. R. Porter), 2003.

Grants and Fellowships

National Science Foundation Grant SES-0962488, “Collaborative Research: Applications of Asymptotic Statistical Decision Theory in Econometrics,” 2010-2013.

APS Professorship, University of Arizona, 2008-present.

McCoy/Rogers Fellowship, University of Arizona, 2005-2006, 2006-2007, 2007-2008.

Eller Fellowship, University of Arizona, 2004-2005.

National Science Foundation CAREER Grant SES-0226164, “Bayesian Econometric Modeling and Nonparametric Identification,” 2000-2004. Formerly listed as Grant SES-9985257.

UCLA Academic Senate Grant, 1998-1999, 1999-2000, 2000-2001.

Harvard Graduate Student Council Conference Grant, summer 1997. (To attend the *Conference on Bayesian Nonparametrics*, Belgirate, Italy.)

Harvard Economics Department Grant, September 1996–May 1997.

National Science Foundation Graduate Research Fellowship, September 1993–August 1996.

Awards

Kalt Prize for Doctoral Placement, University of Arizona, 2011.

Excellence in Research Award, University of Miami School of Business, August 2002.

Mitchell Prize (sponsored by the American Statistical Association Section on Bayesian Statistical Science, the International Society for Bayesian Analysis, and the Mitchell Prize Founders’ Committee), 2001, for article “Assessing the Effect of an Influenza Vaccine in an Encouragement Design with Covariates,” joint with G. Imbens, D. Rubin, and X. Zhou.

Warren C. Scoville Distinguished Teaching Award, UCLA, Fall 1999.

Co-winner of Zellner Thesis Award, Business and Economics Statistics Section of the American Statistical Association, 1999.

Harvard University Committee on Undergraduate Education (CUE) Certificate for Distinction in Teach-

ing, spring 1996, spring 1997, spring 1998. Awards based on student evaluations.

Elected to Phi Beta Kappa, Yale University, 1991.

Teaching

Graduate Courses: Quantitative Methods for Economics, Econometrics, Econometrics II, Causal Inference and Program Evaluation, Topics in Econometrics, Empirical Workshop (University of Arizona), Topics in Econometrics; Advanced Econometrics, Applied Econometrics (University of Miami); Topics in Econometrics, Introduction to Econometrics (UCLA).

Undergraduate Courses: Introduction to Econometrics (Harvard); Intermediate Microeconomics, Economic Data Analysis (University of Miami); Applied Regression Analysis, Introduction to Econometrics (UCLA).

Faculty Affiliate, Graduate Interdisciplinary Program in Statistics, University of Arizona, 2006-present.

Executive Committee, Graduate Interdisciplinary Program in Statistics, University of Arizona, 2007-2010.

Advising: Member of Committee for

- Hongjai Rhee, Ph.D. in Economics, UCLA, 1999.
- Catarina Sismeiro, Ph.D. in Marketing, UCLA, 2002.
- Paul Gift, Ph.D. in Economics, UCLA, 2002.
- Yue Xu, Ph.D. in Economics, University of Miami, 2005 (primary advisor).
- Alexandre Moltchanov, Ph.D. in Economics, University of Miami, 2006.
- Sarah Hoffman, M.A. in Mathematics, University of Arizona, 2006.
- Carmen Carrion, Ph.D. Agricultural Economics, University of Arizona, 2007.
- Quazi Shahriar, Ph.D. in Economics, University of Arizona, 2007.
- Tim Davies, Ph.D. in Economics, University of Arizona, 2007.
- Jed Brewer, Ph.D. in Economics, University of Arizona, 2007.
- Todd Sorensen, Ph.D. in Economics, University of Arizona, 2007.
- Chung Choe, Ph.D. in Economics, University of Arizona, 2008.
- Ivan Maryanchyk, Ph.D. in Economics, University of Arizona, 2009.
- Dong-Hyuk Kim, Ph.D. in Economics, University of Arizona, 2010 (primary advisor).

- Natalia Lazzati, Ph.D. in Economics, University of Arizona, 2011 (co-advisor).
- Jenny Hawkins, Ph.D. in Economics, University of Arizona, 2011.

Teaching Fellow (Harvard University): graduate econometrics (fall 1996, fall 1997); undergraduate econometrics (spring 1996, spring 1997, spring 1998); computer consulting (1995, 1996).

Teaching Assistant (Harvard Summer School): undergraduate econometrics (summer 1994).

Editing and Refereeing

Co-Editor, *Journal of Business and Economic Statistics*, 2009-present.

Editorial Board, *Journal of Economic Literature*, 2010-present.

Associate Editor, *Journal of Business and Economic Statistics*, 2006-2009.

Journal Refereeing: *American Economic Review*, *The American Statistician*, *Berkeley Electronic Journals in Economic Analysis and Policy*, *Biometrics*, *Biometrika*, *Communications in Statistics—Theory and Methods*, *Computational Statistics and Data Analysis*, *Econometrica*, *Econometric Journal*, *Econometric Review*, *Econometric Theory*, *Economic Journal*, *Economics Letters*, *Empirical Economics*, *International Economic Review*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Development Economics*, *Journal of Econometrics*, *Journal of Human Resources*, *Journal of Statistical Planning and Inference*, *Journal of the American Statistical Association*, *Psychological Methods*, *Quantitative Economics*, *Quarterly Journal of Economics*, *Review of Economics and Statistics*, *Review of Economic Studies*, *Southern Economic Journal*, *Statistical Science*, *Value in Health*.

Grant Proposal Reviews: *National Science Foundation*, *Research Grants Council of Hong Kong*, *Social Sciences and Humanities Research Council of Canada*, *University of Arizona Advance Grant*.

Textbook and Textbook Proposal Reviews: *Cambridge University Press*, *W. W. Norton*.

Other Academic Service

Committee on Publications, American Statistical Association, 2010-2012.

Zellner Thesis Award Committee, American Statistical Association, 2012, 2011, 2010, 2008.

School of Economics Task Force, University of Arizona, 2010-2011.

Recruiting Committees, Department of Economics, University of Arizona, 2004-2012.

Econometric Society World Congress Program Committee, 2010.

Chair, Statistics GDP Colloquium Series, University of Arizona, 2009-2010.

Junior Faculty Mentoring Committees, Department of Economics, University of Arizona, 2004-2010.

Undergraduate Quantitative Skills Task Force, Eller College of Management, 2006-2007.

Econometric Society World Congress Program Committee, 2005.
Recruiting Committee, Department of Economics, University of Miami, 2001-2002.
Recruiting Committee, Department of Economics, UCLA, 2000-2001.
Roundtable leader, NIMH All Centers Meeting, April 2000, UCLA.
Computer Committee, Department of Economics, UCLA, 1999-2000.
IEI (Instruction Enhancement Initiative) coordinator, Dept. of Economics, UCLA, 1998-1999.
6 External Tenure Evaluations.

Short-Term Research Visits

Economics Department, Northwestern University, 19-23 October 2009.
Cowles Foundation, Yale University, 29 March-2 April 2010.
Cowles Foundation, Yale University, 4-19 April 2011.
Yahoo! Labs, 18-22 July 2011.

Other Employment

Statistical consultant, NIMH Grant “R01: Heterogeneity among unobserved (underlying) subpopulations in mental health research,” Principal Investigator Dr. Booil Jo, Stanford School of Medicine.
Consultant, Health Care for Communities, June-August 1999.
Research Assistant, Harvard University, Spring 1994-Spring 1998.
Freshman Counselor, Jonathan Edwards College, Yale University. Fall 1991–Spring 1992. Resident counselor for first-year students at Yale College.
Summer Analyst, Investment Banking Group, Lehman Brothers Division, Shearson Lehman Brothers Inc., Tokyo, Japan. Summer 1991.
Summer Intern, Finance Division, American Express, Tokyo, Japan. Summer 1990.

Personal Information

Citizenship: Japanese; Permanent Resident of the U.S.
Date of Birth: June 13, 1970.

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