

Department of Economics
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Academic Appointments:

Associate Professor, University of California, Irvine	Jul 2022 - present
Assistant Professor, University of California, Irvine	Jun 2016 - Jun 2022
Postdoctoral Research Fellow, Nuffield College, University of Oxford	Sep 2013 - Jun 2016

Education:

Ph.D., Economics, University of Wisconsin-Madison	Aug 2013
M.B.A., Financial Engineering, National Taiwan University	Jun 2006
B.S. Physics, National Taiwan University	Jun 2004

Editorial Work: Associate Editor, Journal of Econometrics	2025 - present
Best Associate Editor Award, Journal of Econometrics	2025

Fields of Interest: Econometric Theory, Empirical Microeconomics

Working Papers:

“Robust Regression Discontinuity Extrapolation” (with Yu-Chin Hsu, Shu Shen, and Takuya Ura)
“Lee Bounds with a Continuous Treatment in Sample Selection” (with Chu-An Liu)
Revision requested at the *Journal of Econometrics*
“Doubly Robust Identification of Causal Effects of a Continuous Treatment using Discrete Instruments”
(with Yingying Dong)
“Partial Mean Processes with Generated Regressors: Continuous Treatment Effects and Nonseparable Models”

Published papers:

[J10] “Double Debiased Machine Learning Nonparametric Inference with Continuous Treatments”
(with Kyle Colangelo) *Journal of Business & Economic Statistics*, 2025, 1-13
[J9] “Testing Monotonicity of Mean Potential Outcomes in a Continuous Treatment with High-Dimensional Data” (with Yu-Chin Hsu, Martin Huber, and Chu-An Liu),
Review of Economics and Statistics, forthcoming.
[J8] “Regression Discontinuity Designs with a Continuous Treatment”
(with Yingying Dong and Michael Gou)
Journal of the American Statistical Association, 2023, 118:541, 208-221

- [J7] “Nonparametric Weighted Average Quantile Derivative” *Econometric Theory*, 2022, 38, 497-535
- [J6] “Multivalued Treatments and Decomposition Analysis: An application to the WIA Program”
(with Wallace Ao and Sebastian Calonico) *Journal of Business & Economic Statistics*, 2021, 39(1), 358-371
- [J5] “Direct and indirect effects of continuous treatments based on generalized propensity score weighting”
(with Yu-Chin Hsu, Martin Huber, and Layal Lettry)
Journal of Applied Econometrics, 2020, 35(7), 814-840
- [J4] “Applied Welfare Analysis for Discrete Choice with Interval-data on Income”
(with Debopam Bhattacharya) *Journal of Econometrics*, 2019, 211(2), 361-387
- [J3] “Partial Effects in Binary Response Models using a Special Regressor” (with Hsueh-Hsiang Li)
Economics Letters, 2018, 169, 15-19
- [J2] “Efficient Propensity Score Regression Estimators of Multivalued Treatment Effects for the Treated”
Journal of Econometrics, 2018, 204(2), 207-222
- [J1] “Interpretation and Semiparametric Efficiency in Quantile Regression under Misspecification”
Econometrics, 2016, 4(1) 2

Professional Service:

2019, 2020, 2021 Scientific Committee: International Association for Applied Econometrics (IAAE)
Co-organizer of 2018 California Econometrics Conference at UC Irvine

Presentations:

2026: Sogang University, Singapore Management University, National University of Singapore
 2025: UCLA econometrics mini-conference, WEAI 100th Annual Conference, World Congress of the Econometric Society, National Taiwan University, Chinese University of Hong Kong
 2024: Academia Sinica, California Econometrics Conference, Emory, UC San Diego
 2023: North American Winter Meeting of the Econometric Society, amazon, University of Hawaii, UC Santa Cruz, UC Santa Barbara
 2022: North American Winter Meeting of the Econometric Society, Essex, Oxford, UC Berkeley, Academia Sinica, CMStatistics
 2021: The 8th Annual Conference of the IAAE, Bonn-Mannheim, USC
 2020: North American Winter Meeting of the Econometric Society, MIT-Harvard, UC Irvine
 2019: Southern California Winter Econometrics Day at UC Riverside, University of Saskatchewan, Barcelona Summer Forum workshop on Machine Learning for Economics, North American Summer Meeting of the Econometric Society, Penn State University, California Econometric Conference, The 2nd CEMMAP UCL/Vanderbilt Joint Conference
 2018: UCLA mini conference, UC Riverside, Duke University, The 2nd Annual UW Madison Alumni Conference, cemmap conference: Advances in microeconometrics, North American Summer Meeting of the Econometric Society, The 5th Annual Conference of the IAAE, Taiwan Economics Research, California Econometrics Conference, The 28th Annual Meetings of the Midwest

Econometrics Group

- 2017: Colorado State University, UCSD, International Conference on Econometrics and Statistics, CEME Interaction Conference at U of Chicago, UC Davis
- 2016: Academia Sinica, National Taiwan University, North Carolina State University, UC Irvine, University of Western Ontario, The 3rd Annual Conference of the IAAE, North American Summer Meeting of the Econometric Society, Asian Meeting of the Econometric Society, cemmap conference: Advances in microeconometrics, Taiwan Economics Research, USC
- 2015: University of St. Gallen, The 11th World Congress of the Econometric Society, The 2nd Annual Conference of the IAAE, University of Oxford, LSE, UCLouvain: Université catholique de Louvain
- 2014: University of Bristol, Cambridge Nonparametric and Semiparametric Methods Conference, Toulouse School of Economics, Asian Meeting of the Econometric Society, Academia Sinica, The 24th Annual Meetings of the Midwest Econometrics Group, COMPIE Counterfactual Methods for Policy Impact Evaluation
- 2013: Academia Sinica, UCL, University of Mannheim. The 9th International Symposium on Econometric Theory and Applications at Korea, The 23rd Annual Meetings of the Midwest Econometrics Group, CFE/ERCIM.
- 2012: University of Oxford. Info-Metrics Nonparametric Conference, The 22nd Annual Meetings of the Midwest Econometrics Group
- 2011: The 21st Annual Meetings of the Midwest Econometrics Group
- 2010: The 20th Annual Meetings of the Midwest Econometrics Group

Referee for Journals: Advance in Econometrics, Biometrics, Biometrika, Economics Bulletin, Econometric Reviews, Econometrics and Statistics, Econometric Theory, Heliyon, Journal of the American Statistical Association, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Econometric Methods, Journal of Machine Learning Research, Journal of the Royal Statistical Society Series A, Journal of the Royal Statistical Society Series B, Operations Research, Oxford Bulletin of Economics and Statistics, Review of Economics and Statistics, PLOS ONE

Reviewer: National Science Foundation

Teaching Experience:

Lecturer, Semi&Nonparametric methods (Graduate), UC Irvine	2019, 2022, 2024
Lecturer, Statistics and Econometrics II (1st year Graduate), UC Irvine	2017-20, 2022-25
Lecturer, Applied Econometrics II, UC Irvine	
Lecturer, Applied Econometrics I, UC Irvine	
Lecturer, Nonparametric and Semiparametric Methods (2nd year Graduate), University of Oxford	2014/15
Lecturer, Introduction to Stata for Economists, (1st year Graduate), University of Oxford	2014
Teaching Assistant, Economic Statistics and Econometrics I & II (Graduate), UW-Madison	2010/11

Teaching Assistant, Introductory Econometrics, UW-Madison	Fall 2009
Teaching Assistant, Principles of Microeconomics, UW-Madison	2008/09

Research Experience:

Project Assistant for Jack Porter, UW-Madison	Fall 2011 - Spring 2013
Project Assistant for Bruce E. Hansen, UW-Madison	Spring 2010
Research Assistant for Chung-Ming Kuan, Academia Sinica	Fall 2006 - Spring 2007

Awards:

Harold Groves Paper Prize: “Quantile Regression and the U.S. Wage Structure,” Econ 880, UW-Madison.	2008
Dr. Roger B. Andrae Scholarship Fund, UW-Madison	2007
College Tuition Fellowship with Exemption from Entrance Examination, National Science Council, Taiwan	2000

Skill: R, Matlab, C, Stata

Languages: English (fluent), Chinese (native)