

Research Field: Econometric Theory

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## Education and Employment

University of California, Davis

Associate Professor of Economics

July 2022 –

Assistant Professor of Economics

June 2016 – June 2022

Ph.D. in Economics, Duke University

May 2016

Committee: Federico A. Bugni (chair), V. Joseph Hotz (chair), Shakeeb Khan, and Matthew A. Masten

M.A. in Economics (Statistics Course), University of Tokyo

March 2011

Advisor: Yasuhiro Omori

B.A. in Economics, Keio University

March 2008

Advisor: Hiroaki Osana

## Published and Forthcoming Papers

“Faster estimation of dynamic discrete choice models using index invertibility,” with Jackson Bunting, *Journal of Econometrics*

“Finite Sample Inference for the Maximum Score Estimand,” with Adam M. Rosen, *Review of Economic Studies*

“Welfare Analysis via Marginal Treatment Effects,” with Yuya Sasaki, *Econometric Theory*

“Identification and Inference of Network Formation Games with Misclassified Links,” with Luis E. Candelaria, *Journal of Econometrics*, 235 (2), 862-891, August 2023

“Estimation and Inference for Policy Relevant Treatment Effects,” with Yuya Sasaki, *Journal of Econometrics*, 234 (2), 394-450, June 2023

“Unconditional Quantile Regression with High-Dimensional Data,” with Yuya Sasaki and Yichong Zhang, *Quantitative Economics*, 13 (3), 955-978, July 2022

“Average Treatment Effect Estimates Robust to the ‘Limited Overlap’ Problem: robustate,” with Yuya Sasaki, *Stata Journal*, 22 (2), 344–354, June 2022

“Estimation and Inference for Moments of Ratios with Robustness against Large Trimming Bias,” with Yuya Sasaki, *Econometric Theory*, 38 (1), 66–112, February 2022

“Instrumental Variable Quantile Regression with Misclassification,” *Econometric Theory*, 37 (1), 169-204, February 2021

“Robust Inference in Deconvolution,” with Kengo Kato and Yuya Sasaki, *Quantitative Economics*, 12 (1), 109-142, January 2021

“Non-separable Models with High-dimensional Data,” with Liangjun Su and Yichong Zhang, *Journal of Econometrics*, 212 (2), 646-677, October 2019

“Inference in Dynamic Discrete Choice Problems under Local Misspecification,” with Federico A. Bugni, *Quantitative Economics*, 10 (1), 67-103, January 2019

“Heterogeneous Treatment Effects with Mismeasured Endogenous Treatment,” *Quantitative Economics*, 9 (3), 1335-1370, November 2018

## Conference and Seminar Presentations

2025: UC Irvine, 2023: SEA Annual Meeting, Georgetown, Conference in Honor of V. Joseph Hotz, North-western, CREST-PSE, Ohio State, Texas A&M, 2022: Yasuhiro Omori's 60th Birthday Conference, Boston College, LMU Munich, Bonn-Mannheim, LSE, UC Santa Cruz, 2021: University of Glasgow, SEA Annual Meeting, USC, Bristol Econometric Study Group, UNC Chapel Hill, Happy Hour Seminar!, Emory, 2020: ES World Congress, UC Davis (Economics), 2019: Triangle Econometrics Conference, SEA Annual Meeting, Penn State, California Econometrics Conference, UC Berkeley, Young Econometricians Conference, University of Tokyo Workshop on Advances in Econometrics, ES Asian Meeting, CeMMAP WISE Conference on Advances in Econometrics, UCLA, Vanderbilt, UC Davis (Statistics), 2018: UW Madison, California Econometrics Conference, IAAE Annual Conference, ES North American Summer Meeting, ES China Meeting, Northwestern, NY Camp Econometrics, University of Bristol, UBC, 2017: UC San Diego, UC Davis Conference on Statistical Methodology in the Social Sciences, ES European Meeting, Shanghai University of Finance and Economics, University of Tokyo Workshop on Advances in Econometrics, IAAE Annual Conference, ES North American Summer Meeting, ES Asian Meeting, UC Berkeley, 2016: Duke, ES European Meeting, ES Asian Meeting, University of Tokyo, ES North American Summer Meeting, 2015: Triangle Econometrics Conference, 2014: Triangle Econometrics Conference

## Professional Service

Associate Editor: *Econometric Reviews* (August 2024 –)

Organizer: Joint Econometrics/Statistics Colloquium at UC Davis (2017), California Econometric Conference (2019, 2024), NorCal Junior Econometricians' Conference (2023)

Scientific Committee: IAAE Annual Conference (2022, 2024, 2025)

UC Davis Committee: Ph.D. Placement (Fall 2016), Econometrics Seminar Organizer (multiple times), Econometrics Reading Group Coordinator (multiple times), Graduate Program (Summer 2018-Spring 2020), Undergraduate Program (Fall 2020-Spring 2021), Undergraduate Seminar (multiple times), Business Major Representative (multiple times), Prelim Exam (multiple times), Economics Department Advisory Council (multiple times), ECN Undergraduate Program Review (Fall 2025-Spring 2026), ARE Econometrics Hiring (Fall 2024-Winter 2025), Travel Awards Review (Fall 2021), Internal Fellowship Review (multiple times), L&S College Assembly Representative (multiple times), General Education (Fall 2025-Summer 2026)

## Honors, Grants, & Fellowships

UC Davis: A. Colin Cameron Associate Professor Research Award (2025), Thomas Mayer Distinguished Teaching Award (2021), Small Grant in Aid of Research (multiple times), Travel Grant (multiple times)

Duke: Graduate School Summer Research Fellowship (2014), Department Graduate Fellowship (2011)