

# MATIAS D. CATTANEO

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## Contact Information

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## Professional Experience

Assistant Professor, Department of Economics, University of Michigan, July 2008 – present.  
Visiting Scholar, Department of Economics, MIT, January 2012 – June 2012.  
Visiting Scholar, Department of Economics, Harvard University, July 2011 – December 2011.

## Education

Ph.D. in Economics, University of California at Berkeley, 2003–2008.  
M.A. in Statistics, University of California at Berkeley, 2004–2005.  
Master in Economics, Universidad Torcuato Di Tella, Argentina, 2001–2003.  
Licentiate in Economics, Universidad de Buenos Aires, Argentina, 1996–2000.

## Publications

- “Small Bandwidth Asymptotics for Density-Weighted Average Derivatives,” with Richard Crump and Michael Jansson, forthcoming in *Econometric Theory*.
- “Optimal Inference for Instrumental Variables Regression with non-Gaussian Errors,” with Richard Crump and Michael Jansson, *Journal of Econometrics* 167(1): 1-15, March 2012.
- “Efficient Estimation of the Dose-Response Function under Ignorability using Subclassification on the Covariates,” with Max Farrell, chapter in Missing-Data Methods: Cross-sectional Methods and Applications (Advances in Econometrics, vol. 27), ed. by D. Drukker, Emerald Group Publishing, pp. 93–127, December 2011.
- “Robust Data-Driven Inference for Density-Weighted Average Derivatives,” with Richard Crump and Michael Jansson, *Journal of the American Statistical Association* 105(491): 1070–1083, September 2010.
- “Multi-valued Treatment Effects,” entry in The New Palgrave Dictionary of Economics Online, ed. by S.N. Durlauf and L.E. Blume, Palgrave Macmillan, July 2010.
- “Matching” and “Multi-valued Treatment Effects,” entries in Encyclopedia of Research Design, ed. by N.J. Salkind, Sage Publicacions, June 2010.
- “Efficient Semiparametric Estimation of Multi-valued Treatment Effects under Ignorability,” *Journal of Econometrics* 155(2): 138–154, April 2010.
- “Probabilistic Modeling at the Wildland Urban Interface: The 2003 Cedar Fire,” with David Brillinger and Benjamin Autrey, *Environmetrics* 20(6): 607–620, September 2009.

“Housing, Health and Happiness,” with Sebastian Galiani, Paul Gertler, Sebastian Martinez, and Rocio Titiunik, *American Economic Journal: Economic Policy* 1(1): 75–105, February 2009.

## Working Papers

“Robust Nonparametric Bias-Corrected Inference in the Regression Discontinuity Design,” with Sebastian Calonico and Rocio Titiunik, January 2012.

“Penalized Spline Estimation in the Partially Linear Model,” with Volker Elling and Ashley Holland, January 2012.

“Bootstrapping Density-Weighted Average Derivatives,” with Richard Crump and Michael Jansson, January 2012.

“Alternative Asymptotics and the Partially Linear Model with Many Regressors,” with Michael Jansson and Whitney Newey, January 2012.

“Generalized Jackknife Estimators of Weighted Average Derivatives,” with Richard Crump and Michael Jansson, November 2011.

“Optimal Convergence Rates, Bahadur Representation, and Asymptotic Normality of Partitioning Estimators,” with Max Farrell, October 2011.

“Limit Theorems for Quadratic Forms of Markov Chains,” with Yves Atchade, April 2011.

## Grants and Fellowships

NSF Grant SES 1122994 (with Michael Jansson), 2011–2014.

NSF Grant SES 0921505 (with Michael Jansson), 2009–2012.

Rackham Faculty Research Grant, University of Michigan, 2010.

Spring/Summer Research Grants Program, University of Michigan, 2009.

Chancellor’s Dissertation-Year Fellowship, UC-Berkeley, 2007–2008.

Graduate Division Summer Grant, UC-Berkeley, 2006 and 2007.

Dean’s Normative Time Fellowship, UC-Berkeley, 2006–2007.

Block Grant Fellowship, UC-Berkeley, 2003–2004.

## Honors and Awards

Teaching Effectiveness Award, UC-Berkeley, 2007.

Outstanding Graduate Student Instructor Award, UC-Berkeley, 2006.

Graduate Fellow of the American Academy of Political and Social Science, 2006.

Eliot J. Swan Prize for best performance in first year Ph.D. program, UC-Berkeley, 2005.

Diploma de Honor (cum laude), Universidad de Buenos Aires, Argentina, 2000.

## Teaching Experience

Department of Economics, University of Michigan.

[1] Graduate Econometric Theory I.

[2] Graduate Advanced Econometric Theory I.

[3] Graduate Advanced Econometric Theory II.

## Presentations

2012 and upcoming: BU, Berkeley, Carleton, Cornell, Rice, Texas A&M, UC-Santa Barbara; NAMES Winter Meeting; Junior Festival on New Developments in Microeconometrics (CE/Northwestern), Workshop on Inference in Nonstandard Problems (Princeton/CEME/NSF).

2011: Boston College, Brown, Harvard, Harvard/MIT, Maryland, MIT, Princeton, Rutgers, UC-Irvine, UCLA, UCSD, USC, Yale; Atlantic Causal Conference, NAMES Winter and Summer Meetings, WEAI Conference.

2010: Bristol, Columbia/NYU, Duke, Exeter, Harvard, Indiana, LSE, Michigan, MSU, Northwestern, Rochester, Warwick; Advances in Econometrics Conference, Atlantic Causal Conference, ES World Congress, LACEA Impact Evaluation Network Conference, NAMES Winter Meeting.

2009: Georgetown, Michigan, Ohio State, Penn State, Western Ontario, Wisconsin; AEA Annual Meeting, LAMES Annual Meeting, NAMES Summer Meeting.

2008 and before: Arizona, Austin, Berkeley, Brown, BU, Duke, Harvard, Michigan, MSU, UPenn, WashU; LAMES Annual Meeting, AAAS Annual Meeting.

## Professional Service

Referee Experience: *Annals of Statistics*, *Econometric Theory*, *Econometrica*, *Journal of the American Statistical Association*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Econometrics*, National Science Foundation, *Review of Economics and Statistics*, and others.

Program Committee: 2009 LAMES and LACEA Annual Meetings, Buenos Aires.

## Personal Information

Date of birth: May 16, 1978. Citizenship: Argentina; US Permanent Resident.

Marital status: Married to Rocio Titunik; two daughters: Lucero and Maite.