

ROCÍO TITIUNIK – CURRICULUM VITÆ

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Contact Information

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Academic Positions

Department of Political Science, University of Michigan.
James Orin Murfin Associate Professor, with tenure, 2016–present.
Assistant Professor, 2010–2016.

Center for Political Studies, Institute for Social Research, University of Michigan.
Research Associate Professor, 2016–present.
Faculty Associate, 2009–2016.

Michigan Institute for Data Science (MIDAS), University of Michigan.
Affiliated Faculty, 2018–present.

Visiting Scholar, Department of Political Science, MIT. Fall 2011–Spring 2012.

Editorial Positions

Associate Editor, *Political Science Research and Methods*, starting 2018.

Editorial Board, *American Journal of Political Science*, 2016–present.

Editorial Board, *Political Analysis*, 2016–present.

Editorial Board, *Cambridge Elements*, Quantitative and Computational Methods for Social Science Series, Cambridge University Press, 2017–present.

Education

Postdoctoral Fellow, Department of Political Science, University of Michigan. 2009–2010.

Ph.D. in Agricultural and Resource Economics, UC–Berkeley. 2004–2009.

M.S. in Agricultural and Resource Economics, UC–Berkeley. 2004–2006.

Licentiate in Economics, Universidad de Buenos Aires, Argentina. 1997–2001.

Monographs

A Practical Introduction to Regression Discontinuity Designs: Part I, with Matias Cattaneo and Nicolas Idrobo. Cambridge Elements: Quantitative and Computational Methods for Social Science, Cambridge University Press, under review.

A Practical Introduction to Regression Discontinuity Designs: Part II, with Matias Cattaneo and Nicolas Idrobo. Cambridge Elements: Quantitative and Computational Methods for Social Science, Cambridge University Press, in preparation.

Main Publications

- “Geographic Natural Experiments with Interference: The Effect of All-Mail Voting on Turnout in Colorado”, with Luke Keele.
CEifo Economic Studies, accepted.
- “Legislative Behavior Absent Reelection Incentives: Findings from a Natural Experiment in the Arkansas Senate”, with Andrew Feher.
Journal of the Royal Statistical Society: Series A, 181(2): 351-378, 2018.
- “Differential Registration Bias in Voter File Data: A Sensitivity Analysis Approach”, with Brendan Nyhan and Christopher Skovron.
American Journal of Political Science, 61(3): 744-760, 2017.
- “Comparing Inference Approaches for RD Designs: A Reexamination of the Effect of Head Start on Child Mortality”, with Matias Cattaneo and Gonzalo Vazquez-Bare.
Journal of Policy Analysis and Management 36(3): 643-681, 2017.
- “An Overview of Geographically Discontinuous Treatment Assignments With an Application to Children’s Health Insurance”, with Luke Keele, Scott Lorch, Molly Passarella, and Dylan Small.
Regression Discontinuity Designs: Theory and Applications (Advances in Econometrics, Volume 38), M. D. Cattaneo and J. C. Escanciano (ed.), Emerald Publishing Limited, pp. 147-194, 2017.
- “On Interpreting the Regression Discontinuity Design as a Local Experiment”, with Jasjeet Sekhon.
Regression Discontinuity Designs: Theory and Applications (Advances in Econometrics, Volume 38), M. D. Cattaneo and J. C. Escanciano (ed.), Emerald Publishing Limited, pp. 1-28, 2017.
- “The Incumbency Curse: Weak Parties, Term Limits, and Unfulfilled Accountability”, with Marko Klašnja.
American Political Science Review 111(1): 129-148, 2017.
- “Interpreting Regression Discontinuity Designs with Multiple Cutoffs”, with Matias Cattaneo, Luke Keele and Gonzalo Vazquez-Bare.
Journal of Politics 78(4): 1229-1248, 2016.
- “Cause or Effect? Turnout in Hispanic Majority-Minority Districts”, with John Henderson and Jasjeet Sekhon.
Political Analysis 24(3): 404-412, 2016.
- “Drawing Your Senator From a Jar: Term Length and Legislative Behavior”.
Political Science Research and Methods 4(2): 293-316, 2016.
- “Natural Experiments Based on Geography”, with Luke Keele.
Political Science Research and Methods 4(1): 65-95, 2016.
- “Optimal Data-Driven Regression Discontinuity Plots”, with Sebastian Calonico and Matias Cattaneo.
Journal of the American Statistical Association 110(512): 1753-1769, 2015.
- “Using Regression Discontinuity to Uncover the Personal Incumbency Advantage”, with Robert Erikson.
Quarterly Journal of Political Science 10(1): 101-119, 2015.
- “Randomization Inference in the Regression Discontinuity Design: An Application to Party Advantages in the U.S. Senate”, with Matias Cattaneo and Brigham Frandsen.
Journal of Causal Inference 3(1): 1-24, 2015.
- “Geographic Boundaries as Regression Discontinuities”, with Luke Keele.
Political Analysis 23(1): 127-155, 2015.
- “Enhancing a Geographic Regression Discontinuity Design Through Matching to Estimate the Effect of Ballot Initiatives on Voter Turnout”, with Luke Keele and Jose Zubizarreta.
Journal of the Royal Statistical Society: Series A 178(1): 223-239, 2015.
- “Robust Nonparametric Confidence Intervals for Regression-Discontinuity Designs”, with Sebastian Calonico and Matias Cattaneo.
Econometrica 82(6): 2295-2326, 2014.

- “When Natural Experiments Are Neither Natural Nor Experiments”, with Jasjeet Sekhon.
American Political Science Review 106(1): 35-57, 2012.
- “Housing, Health and Happiness”, with Matias Cattaneo, Sebastian Galiani, Paul Gertler and Sebastian Martinez.
American Economic Journal: Economic Policy 1(1): 75-105, 2009.
- “Changes in the Panamanian Wage Structure: A Quantile Regression Analysis”, with Sebastian Galiani.
Economica 51(1): 3-26, 2005.

Software Articles and Other Publications

- “**rdrobust**: Software for Regression Discontinuity Designs”, with Sebastian Calonico, Matias Cattaneo and Max Farrell.
Stata Journal 17(2): 372-404, 2017.
- “Understanding Regression Discontinuity Designs as Observational Studies”, with Jasjeet Sekhon.
Observational Studies 2: 174-182, 2016.
- “Inference in Regression Discontinuity Designs under Local Randomization”, with Matias Cattaneo and Gonzalo Vazquez-Bare.
Stata Journal 16(2): 331-367, 2016.
- “**rdrobust**: An R Package for Robust Nonparametric Inference in Regression-Discontinuity Designs”, with Sebastian Calonico and Matias Cattaneo.
R Journal 7(1): 38-51, 2015.
- “Can Big Data Solve the Fundamental Problem of Causal Inference?”.
PS: Political Science & Politics 48(1): 75-79, 2015.
- “Robust Data-Driven Inference in the Regression-Discontinuity Design”, with Sebastian Calonico and Matias Cattaneo.
Stata Journal 14(4): 909-946, 2014.
- “Review of *Field Experiments: Design, Analysis and Interpretation*, by Alan S. Gerber and Donald P. Green”.
Newsletter of the APSA Experimental Section, Volume 3, Issue 1, 2012.
- “Two Tailed Test”.
Encyclopedia of Research Design, SAGE Publications, 2010.

Work in Progress

- “Regression Discontinuity Designs Using Covariates”, with Sebastian Calonico, Matias Cattaneo and Max Farrell.
- Revision requested by *Review of Economics and Statistics*.
- “Power Calculations for Regression Discontinuity Designs”, with Matias Cattaneo and Gonzalo Vazquez-Bare.
- “Parties as Disciplinarians: The Electoral Strategies of Centrist Parties”, with James Hollyer and Marko Klašnja.
- “Extrapolating Treatment Effects in Multi-cutoff Regression Discontinuity Designs”, with Matias Cattaneo, Luke Keele, and Gonzalo Vazquez-Bare.
- “Regression Discontinuity Designs: A Review”, with Matias Cattaneo.
- “A Practical Guide to Regression Discontinuity Designs in Political Science”, with Christopher Skovron.
- Revision requested by *American Journal of Political Science*.

Grants, Honors, and Awards

Keynote Speaker, Latin American Political Methodology Conference, Santiago de Chile, 2017.

Statistical Software Award for developing statistical software that makes a significant research contribution for [RD designs software](#) packages. Awarded by the Society for Political Methodology, 2017.

Citations of Excellence Award for highly cited papers relating to the areas of Business Management, Finance, Accounting, Economics and Marketing, for “Robust Nonparametric Confidence Intervals for Regression-Discontinuity Designs”. Awarded by Emerald Group Publishing, 2017.

Keynote Lecture, CESifo Economic Studies Conference, Ifo Institute, 2016.

Emerging Scholar Award to honor a young researcher, within ten years of their degree, who is making notable contributions to the field of political methodology. Awarded by the Society for Political Methodology, 2016.

Gosnell Prize for Excellence in Political Methodology for best work in political methodology presented at any political science conference during the preceding year for “Robust Nonparametric Confidence Intervals for Regression-Discontinuity Designs”. Awarded by the Society for Political Methodology, 2015.

Democratic Governance Facility grant (www.dgf.ug): “Assessing the Social, Economic and Environmental Effects of Uganda’s Pipeline, Baseline Study”, \$95,000, 2015–2016. Joint with Guy Grossman and Edward Bbaale.

National Science Foundation grant (SES 1357561): “New Methodological Developments for Inference in the Regression Discontinuity Design”, \$276,756, 2014–2017. Joint with Matias Cattaneo.

Thomas R. Ten Have Citation for exceptionally creative or skillful research on causal inference for “Geographic Boundaries as Regression Discontinuities”. Awarded at Atlantic Causal Inference Conference, 2011.

Robert H. Durr Award for best paper applying quantitative methods to a substantive problem for “Exploiting Tom DeLay: A New Method for Estimating Incumbency Advantage and the Effect of Candidate Ethnicity on Turnout”. Awarded by the Midwest Political Science Association, 2009.

University of Michigan.

James Orin Murfin chair professorship, 2016–present.

Associate Professor Support Fund, 2016.

Converse-Miller Award, Center for Political Studies, ISR, 2014.

Roy Pierce Award, Center for Political Studies, ISR, 2013.

Spring/Summer Research Grant, Rackham Graduate School, 2013.

Eldersveld Prize for outstanding research contributions, Department of Political Science, 2012.

University of California at Berkeley.

Mike Synar Research Fellowship, Institute of Governmental Studies, 2008.

Dissertation Research Award, Institute of Business and Economic Research, 2007.

Tinker Summer Field Research Grant, Center for Latin American Studies, 2006.

Universidad de Buenos Aires, Magna Cum Laude, Department of Economics, 2001.

Refereeing Service

Best Reviewer Award, *Political Science Research and Methods*, 2017.

Refereeing experience in Social and Behavioral Sciences, and Policy:

American Economic Journal: Economic Policy; American Journal of Political Science; American Politics Research; American Political Science Review; British Journal of Political Science; Comparative Political Studies; Economics and Politics; Economic Journal; Educational Administration Quarterly; European Economic Review; Journal of Elections, Public Opinion and Parties; Journal of Experimental Political Science; Journal of Law, Economics and Organization; Journal of Legal Studies; Journal of Policy Analysis and Management; Journal of Politics; Journal of Race, Ethnicity, and Politics; Journal of Theoretical

Politics; Latin American Research Review; Legislative Studies Quarterly; Party Politics; Political Analysis; Political Behavior; Political Research Quarterly; Political Science Research and Methods; Public Opinion Quarterly; Publius: The Journal of Federalism; Quarterly Journal of Political Science; Research and Politics; Review of Economics and Statistics; State Politics and Policy Quarterly; and Statistics, Politics, and Policy.

Refereeing experience in Statistics, Econometrics, and Others:

Annals of Applied Statistics; Big Data & Society; Biostatistics; Ecological Applications; Journal of the American Statistical Association; Journal of Applied Econometrics; Journal of Econometrics; Journal of Evaluation in Clinical Practice; Journal of the Royal Statistical Society: Series A; Journal of the Royal Statistical Society: Series C; Physica A: Statistical Mechanics and its Applications.

Grant reviewer for: National Science Foundation.

Other Professional Service and Activities

Society for Political Methodology.

Member-At-Large, 2017–present.

Chair of Diversity Committee, 2017–present.

Member of Diversity Committee, 2011–2013 and 2015.

Empirical Implications of Theoretical Models (EITM) Summer Institute.

Leadership team, 2017–present.

Invited speaker, Duke University, 2016.

Invited speaker, University of Michigan, 2015.

Member of Experiments on Governance and Politics (EGAP), 2016–present.

Co-organizer, Symposium in Honor of the Scholarship of Professor Robert S. Erikson, 2016.

Member of expert panel to revise Regression Discontinuity Design standards for What Works Clearinghouse (WWC), Institute of Education Sciences, U.S. Department of Education, 2013–2014.

Coordinated by Mathematica Policy Research.

Chair of Methodology Posters Section, Midwest Political Science Association Annual Meeting, 2013.

University of Michigan.

Co-founder and co-organizer, Interdisciplinary Seminar in Quantitative Methods (ISQM), 2013–present, <https://www.isr.umich.edu/cps/events/isqm>.

Member of Faculty Engagement and Recruitment Committee, Michigan Institute for Data Science (MIDAS), 2018–present.

Member of Committee on Quantitative Social Science, LSA Dean Office, 2016–2017.

Member of Advisory Committee, ICPSR Summer Program, Institute of Social Research, 2015–2016.

Workshops and Short Courses

Experimental and Quasi-Experimental Methods, JPAL Latin America & Caribbean.

Universidad Torcuato Di Tella, Buenos Aires, Argentina, November 2017.

Instituto Tecnológico Autónomo de México, Mexico City, Mexico, December 2016.

Universidad Torcuato Di Tella, Buenos Aires, Argentina, August 2015.

Regression Discontinuity Designs, ICPSR Summer Program.

University of Michigan, Ann Arbor, May 2018.

University of Michigan, Ann Arbor, May 2017.

University of Michigan, Ann Arbor, July 2016.

University of Michigan, Ann Arbor, June 2015.

Regression Discontinuity Designs, Winter School in Methodology and Data Analysis.

Universidad Católica del Uruguay, Montevideo, Uruguay, July 2016.

Universidad Católica del Uruguay, Montevideo, Uruguay, July 2015.

Randomization Inference and Factorial Designs, Workshop on Field Experimentation in Political Economy.
Columbia Center for the Study of Development Strategies, Columbia University, NYC, May 2011.

Teaching Experience

Department of Political Science, University of Michigan.

Quantitative Empirical Methods of Political Science. Undergraduate course.

Latin American Politics. Undergraduate course.

Causal Inference in Political Science Research. Undergraduate course.

Quantitative Methods for Political Analysis. Undergraduate course.

Causal Inference in the Social Sciences. Graduate course.

Statistical Methods II. Graduate course.

Multivariate Analysis. Graduate course.

Personal

Nationality: Argentine (U.S. permanent resident). Date of birth: June 15, 1979.

Married to Matias Cattaneo. Mother of Lucero (born July 2009) and Maite (born September 2011).