

# Gonzalo Vazquez-Bare

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Last updated: March 2023

## ACADEMIC APPOINTMENTS

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| University of California, Santa Barbara: Department of Economics |                |
| Assistant Professor  | 2019 - present |
| Postdoctoral Scholar   | 2018 - 2019    |

## EDUCATION

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| Ph.D. in Economics, University of Michigan                            | 2012 - 2018 |
| M.A. in Statistics, University of Michigan                            | 2014 - 2018 |
| M.A. in Economics, University of Michigan                             | 2012 - 2014 |
| B.A. in Economics, <i>Magna Cum Laude</i> , Universidad de San Andrés | 2004 - 2007 |

## WORKING PAPERS

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“Design of Two-Stage Experiments with an Application to Spillovers in Tax Compliance”, with Guillermo Cruces and Dario Tortarolo. January 2023.

“Difference-in-Differences Estimators for Treatments Continuously Distributed at Every Period”, with Clément de Chaisemartin, Xavier D’Haultfoeulle and Félix Pasquier. January 2023.

“Difference-in-Differences with Unequal Baseline Treatment Status”, with Alisa Tazhitdinova. In progress, January 2023.

## MAIN PUBLICATIONS

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“Causal Spillover Effects using Instrumental Variables”. *Journal of the American Statistical Association*, forthcoming.

“Identification and Estimation of Spillover Effects in Randomized Experiments”. *Journal of Econometrics*, forthcoming.

“Extrapolating Treatment Effects in Multi-Cutoff Regression Discontinuity Designs”, with Matias Cattaneo, Luke Keele and Rocío Titiunik. *Journal of the American Statistical Association*, 116(536): 1941-1952, 2021.

“Measuring Heterogeneous Effects of Environmental Policies using Panel Data”, with Douglas Steigerwald and Jason Maier. *Journal of the Association of Environmental and Resource Economists*, 8(2): 277-313, 2021.

“Comparing Inference Approaches for RD Designs: A Reexamination of the Effect of Head Start on Child Mortality”, with Matias Cattaneo and Rocío Titiunik. *Journal of Policy Analysis and Management*, 36(3): 643-681, 2017.

“Public Credit Programmes and Firm Performance in Brazil”, with Alessandro Maffioli, Joao de Negri and Cesar Rodriguez. *Development Policy Review*, 35(5): 675–702, 2017.

“Interpreting Regression Discontinuity Designs with Multiple Cutoffs”, with Matias Cattaneo, Luke Keele and Rocío Titiunik. *Journal of Politics*, 78(4): 1229-1248, 2016.

“Cluster development policy, SME’s performance, and spillovers: evidence from Brazil”, with Lucas Figal Garone, Alessandro Maffioli, Joao de Negri and Cesar Rodriguez. *Small Business Economics*, 44(5): 925–948, 2015.

“Improving Technology Adoption in Agriculture through Extension Services: Evidence from Uruguay”, with Diego Ubfal, Alessandro Maffioli and Pedro Cerdan-Infantes. *Journal of Development Effectiveness*, 5(1): 64–81, 2013.

“Extension Services, Product Quality and Yields: the Case of Grape Producers in Argentina”, with Alessandro Maffioli, Diego Ubfal and Pedro Cerdan-Infantes. *Agricultural Economics*, 42(6): 727–734, 2011.

## REVIEWS, REPORTS AND OTHER PUBLICATIONS

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“The Regression Discontinuity Design”, with Matias Cattaneo and Rocío Titiunik. Handbook of Research Methods in Political Science and International Relations, eds. L. Curini and R. J. Franzese, Sage Publications, Ch. 44, pp. 835-857, June 2020.

“The Choice of Neighborhood in Regression Discontinuity Designs”, with Matias Cattaneo. *Observational Studies*, 2: 134-146, 2016.

Invited discussion accompanying reprint of “Regression-Discontinuity Analysis: An Alternative to the Ex Post Facto Experiment” by D. L. Thistlethwaite and D. T. Campbell.

“Evaluating the Impact of Science and Technology Projects: a Methodological Toolkit”, with Gustavo Crespi, Alessandro Maffioli and Pierre Mohnen. Technical Note No. IDB-TN-333, *Inter-American Development Bank*, 2011.

“A Primer for Applying Propensity-Score Matching”, with Carolyn Heinrich and Alessandro Maffioli. Technical Note No. IDB-TN-161, *Inter-American Development Bank*, 2010.

## STATISTICAL SOFTWARE ARTICLES

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“Analysis of Regression Discontinuity Designs with Multiple Cutoffs or Multiple Scores”, with Matias Cattaneo and Rocío Titiunik. *Stata Journal*, 20(4): 866-891, 2020.

“Power Calculations for Regression Discontinuity Designs”, with Matias Cattaneo and Rocío Titiunik. *Stata Journal*, 19(1): 210-245, 2019.

“Inference in Regression Discontinuity Designs under Local Randomization”, with Matias Cattaneo and Rocío Titiunik. *Stata Journal*, 16(2): 331-367, 2016.

## STATISTICAL SOFTWARE PACKAGES

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**rdlocrand**: Local Randomization Methods for Regression Discontinuity Designs.

**rdpower**: Power Calculations for Regression Discontinuity Designs.

**rdmulti**: Analysis of Regression Discontinuity Designs with Multiple Cutoffs or Multiple Scores.

## TEACHING EXPERIENCE

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University of California, Santa Barbara:

Introduction to Econometrics (Undergraduate).  
Econometrics III (PhD, first year).  
Applied Econometrics Research Group (PhD, second year).  
Nonparametric Econometrics (PhD, second year).  
Regression Discontinuity Designs (PhD, second year).

## PROFESSIONAL ACTIVITIES

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Referee for:

*Advances in Econometrics • American Economic Review: Insights • American Journal of Political Science • Assessment in Education: Principles, Policy and Practice • Economic Inquiry • Econometrica • Econometric Theory • Economics of Education Review • Empirical Economics • European Economic Review • International Economic Review • Journal of Applied Econometrics • Journal of the American Statistical Association • Journal of Business and Economic Statistics • Journal of Causal Inference • Journal of Econometrics • Journal of Econometric Methods • Journal of Health Economics • Journal of the Royal Statistical Society • National Science Foundation • Operations Research • Oxford Bulletin of Economics and Statistics • PLOS ONE • Political Analysis • Political Science Research and Methods • Regional Science and Urban Economics • Review of Economics and Statistics • Review of Economic Studies • Science Advances • Stata Journal.*

## PRESENTATIONS

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2023 (past and scheduled): ITAM.

2022: UC Santa Cruz, UC Irvine, Southern Economic Association Annual Meeting (Fort Lauderdale), Duke University, University of Wisconsin-Madison, Universidad de San Andrés (Buenos Aires, Argentina).

2021: North Carolina State University; University of Southern California; UC Berkeley Causal Inference Group; University of Essex.

2020: UC Davis; World Congress of the Econometric Society.

2019: University of Chicago; UC San Diego; LACEA-LAMES (Puebla, Mexico); California Econometrics Conference (UC Davis); UCLA; Universidad Católica del Uruguay; Universidad del Norte, Barranquilla; University of Michigan; Northwestern University; Microeconometrics Class of 2018 Conference (Duke University); UC Berkeley; Stanford University; UT Austin; ASSA Annual Meeting (Atlanta).

2018: Universidad de San Andrés (Buenos Aires, Argentina); LACEA-LAMES (Guayaquil, Ecuador); Universidad del Rosario (Bogotá, Colombia); California Econometrics Conference (UC Irvine); University of California, Santa Barbara; University of Chicago Harris School of Public Policy; University of Illinois at Urbana Champaign; Cornell University; University of Chicago Booth School of Business.

2017 and prior: LACEA-LAMES (Buenos Aires, Argentina); ISR-Zwerdling Seminar in Labor Economics (University of Michigan); ISQM (University of Michigan); NASMES (Washington University); Econometrics Seminar (University of Michigan); Stata Conference (Chicago); Atlantic Causal Inference Conference (New York University); Graduate Student Statistical Topics Seminar Series (University of Michigan); Econometric Theory Workshop (University of Michigan); LACEA (Medellin, Colombia).

## SHORT COURSES AND WORKSHOPS TAUGHT

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Writing Stata Packages, ORFE, Princeton University.  
May 2021.

Regression Discontinuity Designs, Winter School in Methodology, Universidad Católica del Uruguay.  
July 2019.

Regression Discontinuity Designs, ICPSR Summer Program, University of Michigan.  
June 2019.

Impact Evaluation Workshop, Universidad del Norte (Barranquilla, Colombia)  
May 2019.

## AWARDS AND FELLOWSHIPS

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UC Santa Barbara:  
UCOP Diversity Initiative, Winter 2021 and Spring 2021.  
Outstanding Graduate Instructor Award, 2021-2022.

Statistical Software Award, Society for Political Methodology, 2017.

University of Michigan:  
William Haber Graduate Fellowship, Winter 2018.  
Rackham One-Term Fellowship, Fall 2017.  
Lawrence Klein Fellowship - Econometrics, Winter 2015 and Winter 2016.  
Best Graduate Student Instructor in a Graduate Class (awarded by Ph.D. students), 2015 and 2016.  
Outstanding Third Year Paper in Econometrics Award, 2015.  
Highest Distinction, Econometrics Field Exam, 2014.  
William Haber Graduate Fellowship, 2012-2013.  
Mark and Lindsay Harms Scholarship, 2012-2013.

Universidad de San Andres:  
Magna Cum Laude, 2007.

## PROFESSIONAL EXPERIENCE

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| Consultant. The World Bank. Washington DC.                       | June 2011 - July 2012 |
| Research Fellow. Inter-American Development Bank. Washington DC. | April 2009 - May 2011 |

## PERSONAL INFORMATION

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Citizenship: Argentina, US permanent resident.  
Languages: Spanish (native), English (fluent), French (fluent), Italian (basic).