

MARINHO A. BERTANHA

University of Notre Dame
Department of Economics
3060 Jenkins Nanovic Halls
Notre Dame, IN 46556
+1 (574) 631-2597

mbertanha@nd.edu
<https://www.nd.edu/~mbertanh>

MAIN POSITIONS

University of Notre Dame, Department of Economics

07/2016 – present Assistant Professor
Henkels Family College Chair (07/2016 – 12/2016)
Gilbert F. Schaefer College Chair (01/2017 – 05/2023)

University of Chicago, Kenneth C. Griffin Department of Economics

08/2019 – 06/2020 Visiting Assistant Professor

Université catholique de Louvain – Center for Op. Research and Econometrics

09/2015 – 07/2016 Postdoc Fellow in Econometrics

RESEARCH FIELDS

Econometrics and applied microeconomics, with focus on causal inference, models with discontinuities, and resampling methods.

EDUCATION

Ph.D. in Economics, Stanford University, USA, June 2015

Advisors: Han Hong, Guido Imbens, and Caroline Hoxby

Master's in Economics, Fundação Getúlio Vargas, Rio de Janeiro, Brazil, 2009

Advisors: Marco A. Bonomo and Carlos Viana de Carvalho

Bachelor's in Economics, Universidade de São Paulo, São Paulo, Brazil, 2006

Advisor: Eduardo A. Haddad

OTHER POSITIONS

09/2023 – present Concurrent Assistant Professor, Department of Applied and Computational Mathematics and Statistics, University of Notre Dame

04/2023 – present Faculty Fellow, Kellogg Institute for International Studies, University of Notre Dame

Summer 2022 Visiting Professor, Fundação Getúlio Vargas, Rio de Janeiro, Brazil

Summers 2015-16 Visiting Professor of Economics, INSPER, São Paulo, Brazil

2010-13 Research Assistant for Profs. Han Hong, Guido Imbens, and Petra Moser
Stanford University

2008-09 Research Assistant for Prof. Marco Bonomo
Fundação Getúlio Vargas, Rio de Janeiro, Brazil

2003-06 Research Assistant for Profs. Eduardo Amaral Haddad and Maria Lucia Filardo
Universidade de São Paulo, São Paulo, Brazil

PUBLISHED AND FORTHCOMING WORK

- “Permutation Tests at Nonparametric Rates” (2023)
with E. Chung,
Journal of the American Statistical Association, 118(544), pg 2833–2846.
- “Better Bunching, Nicer Notching” (2023)
with Andrew McCallum and Nathan Seegert,
Journal of Econometrics, forthcoming.
- “What is the Active Prevalence of COVID-19” (2023)
with M.J. Yang, N. Seegert, M. Gaulin, A. Looney, B. Orleans,
A. Pavia, K. Stratford, M. Samore, and S. Alder,
Review of Economics and Statistics, forthcoming.
- “Bunching Estimation Methods” (2023)
with Carol Caetano, Hugo Jales, and Nathan Seegert,
Handbook of Labor, Human Resources and Population Economics, chapter forthcoming,
edited by Klaus F. Zimmermann. Springer Nature.
- “Bunching Estimation of Elasticities Using Stata” (2022)
with A. McCallum, A. Payne, and N. Seegert,
The Stata Journal, 22(3), Sep 2022, pg 597-624.
- “Regression Discontinuity Designs in Policy Evaluation” (2021)
with O. Bartalotti and S. Calonico,
Handbook of Research Methods and Applications in Empirical Micro., Ch.12, 325-358,
edited by N. Hashimzade and M. Thornton. Edward Elgar Publishing.
- “Impossible Inference in Econometrics: Theory and Applications” (2020)
with M. Moreira,
Journal of Econometrics, 218(2), Oct 2020, pg 247-270.
- “Regression Discontinuity Design with Many Thresholds” (2020)
Journal of Econometrics, 218(1), Sep 2020, pg 216-241.
- “External Validity in Fuzzy Regression Discontinuity Designs” (2020)
with G. Imbens,
Journal of Business and Economic Statistics, 38(3), pg 593-612.
- “Spatial Errors in Count Data Regressions” (2016),
with P. Moser,
Journal of Econometric Methods, 5(1), 49-69.
- “A Fast Resample Method for Parametric and Semiparametric Models” (2014),
with T. Armstrong and H. Hong,
Journal of Econometrics, 179(2), 128-133.
- “Efeitos Regionais da Política Monetária no Brasil: Impactos e Transbordamentos Espaciais” (2008)
with E. Haddad,
Revista Brasileira de Economia, 62(1), 3-29.

WORK IN PROGRESS

- “Causal Effects in Matching Mechanisms with Strategically Reported Preferences” (2023)
with M. Luflade and I. Mourifié.
working paper available online, arXiv:2307.14282.
- “Randomization Inference on Policy Assignments”
with E. Chung and A. Shaikh.
- “The Elasticity of Corporate Taxable Income Across Countries”
with Elena Patel and Nathan Seegert.
- “Returns to Education in Mechanisms with Strategic Reporting and Imperfect Compliance”
with S. Gallegos, M. Luflade, and I. Mourifié.

TEACHING EXPERIENCE

- 2016-23 *University of Notre Dame – Assistant Professor*
Undergraduate Econometrics ECON30331, 6 semesters
PhD 1st-year Econometrics ECON60303, 4 semesters
PhD 2nd-year Microeconometrics ECON70305, 2 semesters
PhD Research Seminar in Microeconomics ECON73001, Fall 2018
- 2019 *University of Chicago – Visiting Professor*
Undergraduate Econometrics ECON21020, Fall 2019
- 2015-16 *INSPER, São Paulo, Brazil – Visiting Professor*
PhD Mathematics for Economics, Summers 2015 and 2016
- 2010-14 *Stanford University - Teaching Assistant*
Undergraduate Intro to Statistics ECON102A (Prof. Scott McKeon), Fall 2010
Undergraduate Macroeconomics ECON52 (Prof. Michael McMahon), Spring 2011
PhD 2nd-year Econometrics MGTECON640 (Prof. Guido Imbens), Fall 2012
Department's PhD Tutor for the Econometrics Comprehensive Exam, Winter 2012
Undergraduate Macro ECON52 (Prof. Mark Tendall), Fall 2013 and Spring 2014
- 2009 *Banco Itaú, São Paulo, Brazil – Teaching Assistant*
Graduate Finance (Prof. Marco Bonomo)
- 2008-09 *Fundação Getúlio Vargas, Rio de Janeiro, Brazil – Teaching Assistant*
Graduate Introduction to Statistics (Prof. Caio Almeida)
Graduate Econometrics (Prof. Marcelo J. Moreira)
Graduate Econometrics (Prof. Eduardo P. Ribeiro)

PRESENTATIONS

2023 Texas A&M Univ. // Workshop on Causal Inference (Univ. of Illinois at Urbana-Champaign) // Stanford University // Univ. of California, Santa Cruz // Africa Meeting of the Econometric Society (Kenya) // International Association for Applied Econometrics (Norway) // Notre Dame – ITAM Conference, Mexico City // Univ. of Notre Dame Statistics // Emory Univ. // Univ. of Tennessee // Duke Univ. // Wash Univ St. Louis.

2022 Penn State University // 5th Econometrics Workshop at Notre Dame // University of Toronto // Africa Meeting of the Econometric Society (Ethiopia) // International Association for Applied Econometrics (London, UK) // Fund. Getúlio Vargas (Rio de Janeiro, Brazil) // Midwest Econometrics (Michigan State Univ.) // Southern Economic Association (Ft. Lauderdale) // University of Michigan.

2021 FEA-RP University of São Paulo (Brazil) // Boston University // International Association for Applied Econometrics, Rotterdam (Netherlands) // Bristol Econometric Study Group (UK) // University of Illinois at Urbana-Champaign // Canadian Econometric Study Group, Vancouver.

2020 Tilburg University (Netherlands) // Université catholique de Louvain (Belgium).

2019 University of California Davis // University of Chicago // RAND (Santa Monica, CA) // International Association for Applied Econometrics (Cyprus) // Econometric Society European Summer Meeting (Manchester, UK) // Midwest Econometrics Group (Ohio State Univ.) // Ohio State University // Duke University // Univ. North Carolina Chapel Hill // 12th International Conference on Computational and Methodological Statistics CMS (London, UK).

2018 Workshop on Bunching Estimators (UC San Diego, CA) // University of Rochester // 2nd Econometrics Workshop at Notre Dame // Econometric Society North American Summer Meeting (UC Davis, CA) // International Association for Applied Econometrics (Montreal, Canada) // Federal Reserve Board // Midwest Econometrics Group (Univ. Wisconsin Madison) // 29th European Conference of the Econometric Community EC² (Rome, Italy) // 11th International Conference on Computational and Methodological Statistics CMS (Pisa, Italy).

2017 1st Econometrics Workshop at Notre Dame // Econometric Society North American Summer Meeting (Washington U. St. Louis, MO) // Econometric Society European Summer Meeting (Lisbon, Portugal) // Applied Micro Seminar at Notre Dame // Midwest Econometrics Group (Texas A & M Univ., TX) // Northwestern University // 10th International Conference on Computational and Methodological Statistics CMS (London, UK).

2016 Econometric Society North American Winter Meetings (San Francisco, CA) // Stanford University // Toulouse School of Economics // University of Illinois Urbana-Champaign.

2015 University of Cambridge (UK) // University of Notre Dame (Indiana, US) // University of California San Diego // Boston University // University of Iowa // Université catholique de Louvain (Belgium) // University of California Davis // Fund. Getúlio Vargas (São Paulo, Brazil) // INSPER Business School (São Paulo, Brazil) // Fund. Getúlio Vargas (Rio de Janeiro, Brazil) // Pontifícia Univ. Católica (Rio de Janeiro, Brazil) // APPAM Fall Research Conference (Miami).

2006-2014 Applied Micro Seminar at Notre Dame (2014) // California Econometrics Conference (Stanford, CA, 2014), California Econometrics Conference (Davis, CA, 2012), Regional Science Association International, Univ. de São Paulo (São Paulo, Brazil, 2008), ANPEC National Economics Meetings (Salvador, Brazil, 2006).

ACADEMIC AWARDS, GRANTS, AND HONORS

- 2024 Notre Dame Kellogg Institute, Faculty Research Grant (\$10,000)
2017-23 Gilbert F. Schaefer College Chair
2017-23 Travel Grants, Notre Dame Institute for Scholarship in Liberal Arts (\$6,511)
2018-22 Conference Grants, Notre Dame Institute for Scholarship in Liberal Arts (\$6,000)
2021-23 Departmental Teaching Award for PhD Econometrics
2020-21 Departmental Teaching Award for Undergraduate Econometrics
2019-20 Visiting Assistant Professor, Kenneth C. Griffin Department of Economics, University of Chicago, with half-year funding received from the University of Chicago.
2016 Henkels Family College Chair
2014-15 Haley-Shaw Dissertation Fellowship, SIEPR, Stanford University
2013 Outstanding Teaching Assistant Award, Stanford University
2009-10 Graduate Fellowship, Department of Economics, Stanford University
2009 CAPES-Fulbright Fellowship for Ph.D. Studies Outside of Brazil (declined)
2008 FAPERJ Master's Fellowship for the Top 2 Students at Fundação Getúlio Vargas
2007 First place in the National Exam for Graduate Admissions, ANPEC, Brazil
2006 IPEA-Caixa Federal Award for Undergraduate Thesis, Brazil

ACADEMIC SERVICE

Peer Reviewer

Econometrica, Journal of Political Economy, Review of Economic Studies, American Economic Review, Journal of the American Statistical Association, Biometrika, Journal of Econometrics, Review of Economics and Statistics, Quantitative Economics, Journal of Business and Economic Statistics, Journal of Applied Econometrics, Oxford Bulletin of Economics and Statistics, Canadian Journal of Economics, Economic Letters, Journal of Causal Inference, Journal of Policy Analysis and Management, Studies in Nonlinear Dynamics and Econometrics, Local Government Studies, American Journal of Evaluation, Journal of Quantitative Methods for Econ. and Bus. Admin., Economic Modelling, Revista de Economia e Sociologia Rural.

Grant Reviewer

European Commission, National Science Foundation

Conference Organization/Discussion:

June/2024: Scientific Committee, Int'l Assoc. of Applied Econometrics, 10th Annual Conference
August/2023: Discussant, Notre Dame – ITAM Conference, Mexico City
June/2023: Scientific Committee, Int'l Assoc. of Applied Econometrics, 9th Annual Conference
Apr/2023: Co-organizer, 6th Econometrics Workshop at Notre Dame
June/2022: Scientific Committee, Int'l Assoc. of Applied Econometrics, 8th Annual Conference
Apr/2022: Co-organizer, 5th Econometrics Workshop at Notre Dame
June/2021: Discussant, Cowles Foundation Econometrics Conference
May/2021: Organizer, U of Notre Dame Panel Discussion on COVID and the Brazilian Economy
June/2020: Discussant, The Gary Chamberlain Online Seminar in Econometrics
June/2019: Discussant, Univ. of Utah Tax Invitational Workshop
Apr/2019: Co-organizer, 3rd Econometrics Workshop at Notre Dame
Apr/2018: Co-organizer, 2nd Econometrics Workshop at Notre Dame
Dec/2017: Econometrics committee, Annual Meeting of the Brazilian Econometric Society
Apr/2017: Co-organizer, 1st Econometrics Workshop at Notre Dame
Jan/2016: Session organizer, North American Winter Meetings of the Econometric Society

ACADEMIC SERVICE – Continued

University Service

2020-23, Univ. of Notre Dame, economics faculty recruiting committee

2017-21, Univ. of Notre Dame, undergraduate mentoring program “Building Bridges”

PhD Thesis Advising

Tim Spilde (expected 05/2025)

Ethan Jenkins (expected 05/2024)

Cary Balser (08/2019) - *Chief, Program Assessment Branch, US Air Force*

Undergraduate Senior Thesis Advising

Kyle Bass (expected 05/2024)

Johnny O’Meara (expected 05/2024)

Joseph Pennacchio (05/2018) - *Financial Services Data Practice at KPMG*

LANGUAGES

English (fluent), Portuguese (native), Spanish (advanced), and French (basic)