

FEDERICO A. BUGNI

- CONTACT INFORMATION Department of Economics
Duke University
213 Social Sciences, Box 90097
Durham, NC, 27708-0097
Phone: (919)-660-1887
Fax: (919)-684-8974
e-mail: federico.bugni@duke.edu
Homepage: <http://sites.duke.edu/federicobugni/>
- BIRTHDAY AND CITIZENSHIP June 1, 1979. Argentinian and U.S. citizen.
- MARITAL STATUS Married, 1 son (Benjamin), and 1 daughter (Emilia).
- PROFESSIONAL EXPERIENCE **Associate Professor**, Duke University. July 2013 - present.
Director of Graduate Studies, Duke University. July 2018 - present.
Assistant Professor, Duke University. July 2009 - July 2013.
Kathleen Kaylor and G. Richard Wagoner, Jr. Assistant Professor in Economics, Duke University. July 2012 - July 2013.
- EDUCATION **Ph.D. in Economics**, Northwestern University, Evanston, IL. December 2008.
Dissertation: *Essays on Inference in Partially Identified Models*.
Committee: Joel L. Horowitz (chair), Rosa L. Matzkin, and Elie Tamer.
M.A. in Economics, Northwestern University, Evanston, IL. July 2005.
M.A. in Economics, Universidad de San Andrés, Argentina. October 2002.
B.A. in Economics, Universidad de San Andrés, Argentina. October 2001.
- RESEARCH INTERESTS Theoretical econometrics, Partial identification, Inference, Moment (in)equality models, Missing data, Stochastic processes.
- PUBLISHED & FORTHCOMING PAPERS
1. “Goodness-of-Fit Tests For Functional Data,” joint with P. Hall, J. L. Horowitz and G. R. Neumann, *Econometrics Journal*, Royal Economic Society, vol. 12, no. S1, January 2009, pp. S1-S18.
 2. “Bootstrap Inference in Partially Identified Models Defined by Moment Inequalities: Coverage of the Identified Set,” *Econometrica*, vol. 78, no. 2, March 2010, pp. 735-753.
 3. “Distortions of Asymptotic Confidence Size in Locally Misspecified Moment Inequality Models”, joint with I. A. Canay and P. Guggenberger, *Econometrica*, vol. 80, no. 4, July 2012, pp. 1741-1768.
 4. “Child Labor Legislation: Effective, Benign, Both, or Neither?”, *Cliometrica*, vol. 6, no. 3, 2012, pp. 223-248.
 5. “Specification Test for Missing Functional Data”, *Econometric Theory*, vol. 28, no. 5, October 2012, pp. 959-1002.
 6. “Approximating High Dimensional Dynamic Models: Sieve Value Function Iteration”, with P. Arcidiacono, P. Bayer, and J. James, *Advances in Econometrics*, vol. 31 (2013), pp. 45-95, Edited by E. Choo and M. Shum. Link to working paper version.

7. “Specification Test for Partially Identified Models defined by Moment Inequalities”, with I. A. Canay and X. Shi. *Journal of Econometrics*, vol. 185, no. 1, 2012, pp. 259-282.
8. “A Comparison of Inferential Methods in Partially Identified Models in Terms of Error in Coverage Probability” (formerly known as “Bootstrap Inference in Partially Identified Models Defined by Moment Inequalities: Coverage of Points of the Identified Set”), *Econometric Theory*, vol. 32, no. 1, February 2016. Supplementary electronic appendix.
9. “Identification and Inference on Regressions with Missing Covariate Data”, with E. Aucejo and V. J. Hotz, *Econometric Theory*, vol. 33, no. 1, February 2017, pp. 196-241. Supplementary electronic appendix.
10. “Inference for Subvectors and Other Functions of Partially Identified Parameters in Moment Inequality Models”, with I. A. Canay and X. Shi. (formerly titled “Inference for Functions of Partially Identified Parameters in Moment Inequality Models”), *Quantitative Economics*, vol. 8, no. 1, March 2017.
11. “Inference under Covariate-Adaptive Randomization”, with I. A. Canay and A. M. Shaikh. Accepted for publication at the *Journal of the American Statistical Association (Theory and Methods)* on August 2017, and published online on June 2018.
12. “Inference in dynamic discrete choice problems under local misspecification”, with T. Ura. Accepted for publication at *Quantitative Economics* on April 2018.
13. “Inference under Covariate-Adaptive Randomization with Multiple Treatments”, with I. A. Canay and A. M. Shaikh. Conditionally accepted at *Quantitative Economics* on January 2018.

WORKING PAPERS

- “Inference in Partially Identified Many Moment Inequality Models via Lasso”, with M. Caner, A. B. Kock, and S. Lahiri. Revision requested on December 2018.
- “Permutation Tests for Equality of Distributions of Functional Data”, with J. L. Horowitz.
- “On the iterated estimation of dynamic discrete choice games”, with J. Bunting. CeMMAP working paper 13/18. Revision requested on October 2018, and resubmitted on May 2019.
- “Testing Continuity of a Density via g-order statistics in a Regression Discontinuity Design”, with I. A. Canay. CeMMAP working paper CWP 20/18. Submitted on May 2019.

CONFERENCES & SEMINARS

- 2019 Econometric Society North American Winter Meeting in Atlanta. Princeton University. University of Notre Dame. Universidad de San Andrés, Buenos Aires, Argentina. Econometrics Summer Workshop at Warwick University. *Scheduled*: Econometric Society North American Summer Meeting in Seattle. CEME conference on Inference in Nonstandard Problems, University of California Los Angeles.
- 2018 Hong Kong University of Science and Technology (HKUST), Hong Kong. Singapore Management University (SMU), Singapore. Universidad de San Andrés, Buenos Aires, Argentina. Cornell University. Identification Conference at Vanderbilt University. Inference on Incomplete Models at Northwestern University. North American Summer Meeting of the Econometric Society, University of California Davis. CEME conference

- on Inference in Nonstandard Problems, Duke University. Conference on Incomplete Models at Northwestern University. Meeting of the Southern Economic Association, Washington DC. 2018 Triangle Econometrics Conference.
- 2017 Cowles Foundation. University of Toronto. 12th Tilburg Institute Conference on Inference Issues in Econometrics Conference, Amsterdam. Simon Fraser University. CEME conference on Inference in Nonstandard Problems, University of California Los Angeles. Microeconometrics class of 2017 Conference, Duke University. Boston University. Vanderbilt University. 2017 Triangle Econometrics Conference.
- 2016 Johns Hopkins University. Ohio State University. Georgetown University. University of Chicago. Northwestern University. Regression Discontinuity Designs: Theory and Applications conference in Ann Arbor, Michigan. Recent Advances in Econometrics conference in Toulouse, France. Simon Fraser University. CEME conference on Inference in Nonstandard Problems, Durham. Columbia University. 2016 Triangle Econometrics Conference.
- 2015 Clarence Tow Econometrics Conference at University of Iowa. University of British Columbia. Simon Fraser University. Econometric Society World Congress in Montreal, Canada. CEME conference on Inference in Nonstandard Problems, Duke University. University of Wisconsin. New York University. 2015 Triangle Econometrics Conference.
- 2014 Humboldt-Universität zu Berlin. University College London. London School of Economics. Northwestern University. CEME conference on Inference in Nonstandard Problems, Princeton. 2014 Triangle Econometrics Conference.
- 2013 University of Texas-Austin, Duke University Statistics Department. Mathematical Statistics of Partially Identified Objects, Oberwolfach, Germany. University of California-San Diego. Stanford University. Cowles Conference on Partial Identification, Weak Identification, and Related Econometric Problems. Meeting of the Southern Economic Association, Tampa. Brown University. 2013 Triangle Econometrics Conference. First Conference in Econometric Theory at Universidad de San Andrés, Buenos Aires, Argentina. Conferencia de Graduados del Departamento de Economía at Universidad de San Andrés, Buenos Aires, Argentina.
- 2012 Econometric Society North American Winter Meeting in Chicago. University of California Los Angeles. Junior Festival on New Developments in Microeconometrics, Northwestern University. Indiana University - Purdue University Indianapolis. University of California Berkeley. University of California Davis. Yale University. Ohio State University. Conference of the International Society for NonParametric Statistics (ISNPS), Greece. Econometric Society North American Summer Meeting in Evanston. University of Rochester. 2012 Triangle Econometrics Conference.
- 2011 Econometric Society North American Winter Meeting in Denver. University of Virginia. Seoul National University, Korea. University of Montreal. 2011 CeMMAP Conference in honor of Joel L. Horowitz's 70th birthday in London, UK. Joint Statistical Meetings, Miami. University of Toronto. 2011 Triangle Econometrics Conference.
- 2010 North American Winter Meeting of the Econometric Society, Atlanta. Harvard University. Econometric Society World Congress in Shanghai, China. Young Economists Jamboree in Econometrics, Duke University. Pennsylvania State University. Canadian Econometrics Study Group, Vancouver, Canada. 2010 Triangle Econometrics Conference. Princeton University.
- 2009 University of Michigan. Latin American Meeting of the Econometric Society, Buenos Aires, Argentina. 2009 Triangle Econometrics Conference.

2008 Queens University. University College London. University of Pennsylvania. Brown University. University of California Los Angeles. Columbia University. New York University. Yale University. Duke University.

2007 Semiparametric and Nonparametric Methods in Econometrics, Oberwolfach, Germany. North American Summer Meeting of the Econometric Society, Duke University.

2001 Argentine Association of Political Economy, Buenos Aires, Argentina.

FELLOWSHIPS & AWARDS

2017 *Multa Scripsit* award at *Econometric Theory*.

2017 NSF Grant SES-1729280 for 08/15/2017-7/31/2019. Project title: “Econometric Methods for Models with Covariate Adaptive Randomization and Partial Identification”.

2014 NIH Grant 40-4153-00-0-85-399 for 07/01/2014-06/30/2017. Project title: “The Long-Term Impact of Income Transfers During Childhood”, joint with Ana Aizer, Joseph Ferrie, Shari Eli, Bo Honoré, and Adriana Lleras-Muney.

2012 Awarded the *Kathleen Kaylor and G. Richard Wagoner, Jr. Assistant Professor in Economics* chair at Duke University.

2011 NSF Grant SES-1123771 for 8/15/2011-7/31/2014. Project title: “Collaborative Research: Extending the Scope of Inference in Partially Identified Models”, joint with Ivan A. Canay.

2011 NSF Grant SES-1124193 for 9/15/2011-8/31/2014. Project title: “Large State Space Issues in Dynamic Models”, joint with Peter S. Arcidiacono and Patrick J. Bayer.

2007 Dissertation Year Fellowship. Northwestern University.

2006 Robert Eisner Memorial Fellowship. Northwestern University.

2003-04 Northwestern University Fellowship. Northwestern University.

2000 Graduation Gold Medal. Universidad de San Andrés, Buenos Aires, Argentina.

2000 Jagdish Bhagwati Award. Universidad de San Andrés, Buenos Aires, Argentina.

1997-00 Merit Scholarship. Universidad de San Andrés, Buenos Aires, Argentina.

TEACHING

Duke University, Durham, NC

- Graduate Econometrics I (Econ 703 - Graduate): Fall 2009, Fall 2010 (Ph.D. and M.A.), Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, and Fall 2018.
- Topics course: nonparametric and semiparametric estimation (Econ 883.06 - Graduate): Fall 2016, Fall 2017, and Fall 2018.
- Nominal instructor for Econometrics workshop (Econ 903.08 - Graduate): 2016, 2017, and 2018.
- Nominal instructor for First-year Intro to Research Workshop (Econ 704 - Graduate): 2018.
- Topics course: identification (Econ 883.04 - Graduate): Spring 2012, Fall 2012, and Spring 2015.

- Independent Research Study (Econ 395E) for Dohun Kim (MA student): Spring 2014.
- Independent Research Study (Econ 593) for Zhuoli Chen (MA student): Fall 2018.

Northwestern University, Evanston, IL

- Lecturer: Introductory Econometrics for incoming Ph.D. students, Summer 2006 and Summer 2007.
- Teaching Assistant: Graduate Econometrics, Spring 2006 and Spring 2007.

Universidad de San Andrés, Buenos Aires, Argentina

- Lecturer: Recursive Methods in Economics (Graduate), M.A. in Economics, 2003.
- Lecturer: Quantitative methods (Graduate), M.A. in Finance, 2003.
- Teaching Assistant: Microeconomics, B.A. in Economics, 2002.
- Teaching Assistant: International Economics, B.A. in Economics, 2001-03.
- Teaching Assistant: Econometrics, B.A. in Economics, 2001-03.
- Teaching Assistant: Economic History, B.A. in Economics, 2000.

STUDENT
ADVISING

- **Main advisor:**
 - Takuya Ura (co-chaired with V. Joseph Hotz): University in California Davis.
 - Jackson Bunting: *Degree in progress.*
- **Secondary advisor:**
 - Esteban Aucejo: London School of Economics.
 - Jonathan James: Cleveland Federal Reserve Board.
 - Patrick Coate: University of Michigan Population Studies Center.
 - Erik Vogt: N.Y. Federal Reserve Board.
 - Irving A. De Lira: Banco de Mexico.
 - Vladislav Slanchev: Postdoctoral Associate at Duke University.
 - Yichong Zheng: Singapore Management University.
 - Luis E. Candelaria: Warwick University.
 - Fu Ouyang: Nankai University and University of Queensland.
 - Binghzi (Ben) Zhao: Numeric Investors.
 - Nicolas-Aldebrando Benelli: French ministry.
 - Yuan Yue: Quora.
 - Rui Chen: *Degree in progress.*
 - Zhao Liu: *Degree in progress.*
 - Leonardo Salim Saker Chaves: *Degree in progress.*
 - Peter Horvath: *Degree in progress.*
 - Wen Wang: *Degree in progress.*
 - Congshan Zhang: *Degree in progress.*

PROFESSIONAL
ACTIVITIES

- **Referee:** *Computational Statistics and Data Analysis, Econometrica, Econometrics, Empirical Economics, National Science Foundation, Journal of Econometrics, Journal of Business and Economic Statistics, Journal of Nonparametric Statistics, Operations Research, The Econometrics Journal, The Review of Economic Studies, and The Review of Economics and Statistics.*
- Appointed as an Associate Editor for *Journal of Econometrics* during 2019-2021.
- Appointed as an Associate Editor for *Quantitative Economics* during 2016-2019.
- Appointed as an Associate Editor for *Journal of Business and Economic Statistics* during 2019-2021.
- Appointed as an Associate Editor for *The Econometrics Journal* during 2012-2015, 2015-2018, and 2018-2021.
- **Program organizing committee:** 2009 Latin American Meeting of the Econometric Society, 2012 North-American Meetings of the Econometric Society, 2015 Econometric Society World Congress, 2017 5th annual conference of the International Association of Applied Econometrics (IAAE).
- Co-organized the Triangle Econometrics Conference in 2014, 2015, 2016, and 2017.
- Co-organized the NBER Conference on Econometrics and Mathematical Economics (CEME) for Young Econometricians in 2016, 2017, and 2018.
- Co-organized the Microeconometrics class of 2017 Conference.
- Organized the Econometrics seminars at Duke in 2014, 2015, 2016, 2017, and 2018.
- Organized the Reading Group in Microeconometrics at Duke in 2012, 2013, and 2014.
- Member of the Royal Economics Society in 2016, 2017, and 2018.
- Member of the Senior Recruiting Committee in Economics at Duke in 2015, and 2016.
- Member of the Junior Recruiting Committee in Economics at Duke in 2010, 2011, and 2012.
- Participated in the process of admissions to the Ph.D. program in Economics at Duke in 2009, 2010, 2011, 2012, and 2016.
- Member of the Arts & Sciences Council Faculty Research Committee at Duke in 2017 and 2018.
- Member of the Executive Committee of the Department of Economics at Duke in 2017 and 2018.