

Ignacio Sarmiento Barbieri

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ACADEMIC EMPLOYMENT

Department of Economics, Universidad de los Andes, Colombia

Assistant Professor

2020 -

National Center for Supercomputing Applications (NCSA-UIUC)

Postdoctoral Research Associate in Data Science in Applied Microeconomics

2018 - 2020

EDUCATION

University of Illinois at Urbana-Champaign (UIUC), USA

PhD. in Economics

2018

Ms. in Statistics

2017

Ms. in Economics

2014

National University of Tucumán - Argentina

B.A. in Economics (with honors)

2008

RESEARCH INTERESTS

Primary: Public, Urban, and Real Estate Economics

Secondary: Applied Econometrics, Big Data, and Machine Learning

PUBLICATIONS

Housing Discrimination and the Pollution Exposure Gap in the United States

(Accepted at Review of Economics and Statistics) NBER WP No. 26805, with Peter Christensen and Chris Timmins

Emotional Cues and Crime: Spatial and Temporal Evidence from Brazilian Soccer Games

(Accepted at Economic Inquiry) with Qi Ge and Rodrigo Schneider

Unlocking Amenities: Complementarities in Public Good Consumption

Journal of Public Economics 182 (2020), NBER WP No. 25107, with David Albouy and Peter Christensen

Do More Eyes on the Street Reduce Crime? Evidence from Chicago's Safe Passage

Journal of Urban Economics 110 (2019), with Dan McMillen and Ruchi Singh

WORKING PAPERS

Can't Stop the One-Armed Bandits: The Effects of Access to Gambling on Crime

with Nicolas Bottan and Andrés Ham

Can we stay one step ahead of cheaters? A field experiment in proctoring online open book exams

(R&R Journal of Behavioral and Experimental Economics)

OTHER PUBLICATIONS

The South American input-output table: Key assumptions and methodological considerations

CEPAL, NU. ECLAC. 2016. Associate Researcher for Argentina, Ecuador and Paraguay

TEACHING EXPERIENCE

Department of Economics, Universidad de Los Andes, Colombia

Big Data and Machine Learning for Applied Economics (ECON 4676)

Face to Face Course (Virtual)

2020

Department of Economics, UIUC

Teaching Assistant for Microeconomic Principles (ECON 102)

Online Course

2014-2018

Face to Face Course

2013

Workshop Instructor: "Spatial Econometrics"

9th Midwest Graduate Student Summit in Applied Economics, AERUS

2016

Department of Economics, National University of Salta-Argentina

Head Teaching Assistant

Intermediate Microeconomics

2009-2012

Labor Economics

2009-2012

Development Economics

2009-2012

Mathematical Economics

2009-2012

Northern University of St. Thomas Aquinas, Tucumán, Argentina

Workshop Instructor:

"Labor Market, Poverty and Inequality: An Application of the Permanent Household Survey"

2008-2010

Department of Economics, National University of Tucumán, Argentina

Undergraduate Teaching Assistant for Price Theory I & II

2006-2009

RESEARCH EMPLOYMENT

Department of Economics, UIUC. *Research Assistant to Prof. Roger Koenker*

2014- 2018

In charge of the Econometrics Lab

Department of Finance, UIUC. *Research Assistant to Prof. David Molitor*

2014

FELLOWSHIP AND AWARDS

National Center for Supercomputing Applications (NCSA-UIUC)

Outstanding 2019-2020 SPIN Mentor

2020

Outstanding Summer 2019 SPIN Mentor

2019

American Real Estate and Urban Economics Association (AREUEA)

Doctoral Session Travel Grant

2017

Regional Science and Urban Economics (RSUE)

Outstanding Contribution in Reviewing

2017

Department of Economics, UIUC

Paul W. Boltz Fellowship

2017

Conference travel award

2016, 2017

Econometrics team captain for the VSAE Econometric Games in Amsterdam

2016, 2017, 2018

Summer Fellowship

2015

Departmental Fellowship

2012-2013

United States Department of State

Fulbright Scholarship

2012-2014

Department of Economics, National University of La Plata, Argentina

Best GPA of the 15th cohort Ms. in Economics 2012
Departmental Fellowship 2011-2012
First CEDLAS Contest, essays on distributional, labor and social issues in Latin America (*runner up*) 2009

National University of Tucumán, Argentina

Research Fellowship, Research Council 2009-2010
Second Best GPA of the 2008 cohort in Economics 2008
Third Best GPA of the 2008 cohort of the three majors: Economics, Business, and Accounting 2008

CONFERENCE PRESENTATIONS

Department of Economics, University of San Andres, Buenos Aires, Argentina, 2020, Department of Economics, University of Andes, Bogotá, Colombia, 2020, Università Cattolica del Sacro Cuore, Milano, Italy, 2020, FEN-Department of Economics, University of Chile, Santiago, Chile, 2020, Department of Economics, University of Los Andes, Santiago, Chile, 2020, University Adolfo Ibañez, Viña del Mar, Chile, 2020, pERE-ACES-UIUC, Urbana-Champaign, IL, 2019, San Pablo University and National University of Tucumán, Tucumán, Argentina, 2019, 13th Meeting of the Urban Economics Association, New York City, NY, 2018. 86th International Atlantic Economic Conference, New York City, NY, 2018. AEA CTREE Conference 2018, TX, May 2018. 82nd Annual Meeting of the Midwest Economics Association (MEA), Evanston, IL, 2018. American Real Estate and Urban Economics Association (AREUEA) Doctoral Session, Philadelphia, PA, 2018. American Real Estate and Urban Economics Association (AREUEA) Doctoral Session, Chicago, IL, 2016. 7th European Meeting of the Urban Economics Association, Copenhagen, Denmark, 2017, 11th Meeting of the Urban Economics Association, Minneapolis, MN, 2016. 47th Annual Conference of the Mid-Continent Regional Science Association. Charlotte, NC, 2016. 9th Midwest Graduate Student Summit in Applied Economics, Urban and Regional Studies, Urbana-Champaign, IL, 2016

PROFESSIONAL ACTIVITIES

Referee

Regional Science and Urban Economics, *Economica*

Organizing Committees

Econometrics Reading Group, UIUC. 2015-2016
26th Annual Meeting of the Midwest Econometrics Group, UIUC. October, 2016
8th Regional Conference on Economy and Society, National University of Salta - Argentina. October, 2010

University Service

Elected Representative of Teachers Assistants to the Board of the Department of Economics. National University of Salta - Argentina. 2011
Member of the Advisory Committee on Research Assistantships for Specific Purposes. Research Council of the National University of Salta - Argentina. 2009

SOFTWARE

R packages:

RATest: A collection of randomization tests 2017
with Mauricio Olivares-Gonzalez. Available on <https://CRAN.R-project.org/package=RATest>
ioanalysis 2019
with John Wade. Available on <https://CRAN.R-project.org/package=ioanalysis>

Skills

R, Stata (advanced), Unix System Administration, SQL, GIS, HTML (intermediate), Matlab, PHP, C++, Fortran (basic)

PERSONAL INFORMATION

Citizenship Argentinean & Italian

Languages Spanish (native), English (fluent), Italian (basic), Classic Latin (basic), Classic Greek (basic)