

Juan S. Muñoz

Department of Economics
University of Illinois at Urbana-Champaign
214 Dakid Kinley Hall
1407 West Gregory Dr., Urbana, IL

Phone: +1(202)320-1560
Email: munozmo2@illinois.edu
Webpage: www.juansmunoz.com

Education

| | |
|-------------|---|
| 2014 - | Ph.D in Economics (expected 2020) , University of Illinois, Champaign, Illinois. |
| 2010 - 2012 | M.S in Economics , Universidad de los Andes, Bogotá, Colombia. |
| 2005 - 2011 | B.S in Economics , Universidad de los Andes, Bogotá, Colombia. |
| 2008 - 2011 | B.A in History , Universidad de los Andes, Bogotá, Colombia. |

Professional Interests

-
- Primary: Labor and Development Economics
 - Secondary: Urban Economics

Research

Peer-Reviewed Articles

- [The Economics Behind the Math Gender Gap: Colombian Evidence on the Role of Sample Selection](#) (2018), Sole-authored. *Journal of Development Economics*, 135: 368-391.
- [Enrollment, Graduation, and Dropout Rates in Latin America: Is the glass half empty of half full?](#) (2015), with Marina Bassi and Matías Busso. *Economía Journal*. 16(1): 113-156.

Working Papers

- [Entering the Major Leagues: The Effect of competition from the U.S. on Workers and Firms in an Emerging Economy](#). *Job Market Paper* (Joint with Leonardo Bonilla)
- [Distributional Impacts of Increasing Teacher Literacy in Rural Uganda](#) (Joint with Julie Buhl-Wiggers, Jason Kerwin, Jeff Smith, and Rebecca Thornton)
- [Do school shootings erode property values?](#) (Joint with Ruchi Singh)
– Runner-up best student paper NARSC
- [Unbundling Returns to Skills and Degrees: Evidence from Postsecondary Education in Colombia](#) (Joint with Matías Busso and Sebastián Montaña)

Chapters in Books

- [Women and Social Mobility](#) (in Spanish), with Ximena Peña, Hugo Ñopo, Juan Camilo Cárdenas, Jorge Castañeda, and Camila Uribe, in Armando Montenegro and Marcela Meléndez (eds.), *Equidad y Movilidad Social*, Universidad de los Andes, Bogotá, 2014.

Work in Progress

- [Flows In and Out of Management Occupations](#) (Joint with Eliza Forsythe)
- [The Long Term Effects of Increasing Teacher's Ability](#) (Joint with Matías Busso)

Work Experience

| | |
|-------------|---|
| 2018 - 2019 | Research Assistant , Prof. David Molitor, University of Illinois, Champaign, IL. |
| 2016 - 2018 | Research Assistant , Prof. Eliza Forsythe, University of Illinois, Champaign, IL. |
| 2012 - 2014 | Research Fellow , Inter-American Development Bank (IDB), Washington,DC. |
| 2011 - 2012 | Research Assistant , Economics Department, Universidad de los Andes, Bogotá, Colombia. |

Languages

Spanish (Native) ; English (Fluent) ; French (Intermediate)

Teaching Experience

Lecturer

Universidad de los Andes, Bogotá, Colombia

Summer 2019 | Inequality, Segregation, and the Local Labor Markets (with David Albouy)

Summer 2017 | Econometrics 1

Summer 2016 | Econometrics 1

Teaching Assistant

University of Illinois, Champaign, IL

2016 - 2017 | Online TA Economics Statistics II

Spring 2016 | Head TA Economics Statistics II

Fall 2015 | TA Economics Statistics II

Universidad de los Andes, Bogotá, Colombia

2011 | Graduate Instructor Advanced Econometrics

2009 - 2011 | Undergraduate TA Econometrics

2010 | Undergraduate TA Game Theory

2009 - 2011 | Undergraduate TA Economic History

Professional Activities

Conferences and Seminars: Price Theory Summer Camp, Chicago, IL (2017)
LACEA-LAMES, Buenos Aires, Argentina (2017)
OSU Conference on Real State and Housing, Columbus, OH (2018)
Urban Economic Association, New York, NY (2018) [presenter Ruchi Singh]
1st Annual Colombian Economic Conference, Bogotá, Colombia (2018)
Colombian Central Bank, Bogotá, Colombia (2019)
From Theory to Statistics to Empirics, Chicago, IL (2019) [presenter Jeff Smith]
Northeastern Universities Development Consortium, Evanston, IL (2019)
EGSC, St. Louis, Mo. (expected 2019)
Illinois Economic Association (expected 2019)
LACEA-LAMES, Puebla, Mexico (expected 2019)
ASSA, San Diego, CA (expected 2020) [presenter Ruchi Singh]

Fellowships: Departmental Fellowship (2014-2015)
Summer Research Fellowship (Summer 2016)
Boltz Fellowship (Summer 2018)
Morris and Sally Kleiner Labor Economics Prize (Summer 2019)

Referee for: Regional Science and Urban Economics, Ediciones Uniandes,
Desarrollo y Sociedad ($\times 2$), Rosario Economic Review

Computer Skills

Advanced: STATA and \LaTeX ; General: R, Python, and MATLAB

References

David Albouy
Associate Professor
Department of Economics
University of Illinois at
Urbana-Champaign
albouy@illinois.edu
+1(217)300-2654

Rebecca Thornton
Associate Professor
Department of Economics
University of Illinois at
Urbana-Champaign
rebeccat@illinois.edu
+1(217)244-2818

Eliza Forsythe
Assistant Professor
Department of Economics
University of Illinois at
Urbana-Champaign
eforsyth@illinois.edu
+1(217)244-8481

Matías Busso
Lead Economist
Research Department
Inter-American
Development bank
mbusso@iadb.org
+1(202)623-2303

Abstracts

- **Entering the Major Leagues: The Effect of competition from the United States on Workers and Firms in an Emerging Economy** *Job Market Paper* (Joint with Leonardo Bonilla)
Though abundant evidence shows that import competition from low-wage countries decreases manufacturing employment and wages of high-wage countries, less is known about the reverse: the impact of import competition from high-wage countries on emerging economies. This paper uses a natural experiment to examine the effects of import competition from the United States on workers and firms in Colombia. We exploit industry variation in import exposure and regional variation in import access in the wake of a free trade agreement that increased import competition in Colombia but left its exports unaffected. Using administrative employer-employee data to identify proxies for productivity and skills, we find that a 10 percent increase in import competition from the United States decreases employment in Colombia by 6.4 percent in affected industries and states. The impacts are driven largely by the exit and shrinking of less-productive firms. Less-skilled workers experience the greatest impacts, with effects on employment lasting for at least four years. Import competition induces workers to shift from affected to unaffected industries and states, and decreases the wage of workers employed in less-productive firms.
- **No Child Left Behind? The Distributional Impacts of Increasing Teaching Literacy in Uganda** (Joint with Julie Buhl-Wiggers, Jason Kerwin, Jeff Smith, and Rebecca Thornton)
In the quest to improve learning in developing countries, important evidence on mean impacts has been generated through rigorous program evaluations. Yet knowledge of who these programs leave behind is still much needed. This paper explores heterogeneity in the effects of a primary school literacy intervention in rural Uganda, using panel data from a randomized trial that implemented the program with different intensities across schools and cohorts of students. First, we explore idiosyncratic variation using traditional probability inequalities; the estimated Fréchet-Hoffding bounds suggest substantial heterogeneity in the program's effects. We then estimate quantile treatment effects, and find that across all intensities of the program the treatment effects are concentrated at the top of the outcome distribution. These differences are extremely large: for the main cohort of students at the end of the program, the treatment effect varies from nearly zero for the bottom of the outcome distribution to over 2.5 SDs for the top. We show that while there is some systematic variation in treatment effects by student, schools, and teacher characteristics, the majority of the treatment effect heterogeneity is idiosyncratic. Differences in treatment effects across quantiles are also much larger than differences by the intensity of the program. Our results suggest that the mean impacts of education interventions in developing countries are insufficient for summarizing how programs affect learning.
- **Do school shootings erode property values?** (Joint with Ruchi Singh)
We examine whether school shootings erode property values using a difference-in-differences strategy and individual transactions data. We find that house prices within a school district decline by 7.8 percent in the three year period after a mass shooting episode takes place. Additionally, we find evidence of decline in number of transactions in the affected districts after the shooting. The drop in property prices is most pronounced among houses with more bedrooms, a measure that serves as a proxy for properties most likely to have school-age children in the household. We also find evidence of decrease in school enrollment and in the number of teachers in the aftermath of the shooting. Prices appear to be unaffected by proximity to the school in which the shooting occurred. The analysis suggests that deterioration in school quality, rather than place based stigma, decreases the demand for houses in affected areas and results in a lower willingness to pay.
- **Unbundling Returns to Degrees and Skills: Evidence from Postsecondary Education in Colombia** (Joint with Matías Busso and Sebastián Montañaño)
Using longitudinal data of college graduates, we estimate labor market returns to postsecondary degrees and to various skills –including literacy, numeracy, foreign language, field-specific, and non-cognitive skills. We use a very detailed data set from Colombian college students that include information of several test scores, programs, universities, and the first years in the labor market. We find that a one standard deviation increase in each of those skills predicts a wage increase of 1 to 14 percent. Returns to postsecondary degrees are higher than returns to skills and vary widely with the field and length of the program, its quality, and whether the degree-issuing institution is public or private.