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## Education

Ph.D. in Economics, University of Pennsylvania, Philadelphia, PA,	Expected 2018
MA in Economics, Universidad de los Andes, Bogotá, Colombia,	2013
BA in Mathematics, Universidad de los Andes, Bogotá, Colombia,	2013
BA in Economics ( <i>cum laude</i> ), Universidad de los Andes, Bogotá, Colombia,	2011
Academic exchange, Università Commerciale Luigi Bocconi, Milan, Italy,	2009

## Personal Interests

Macroeconomic theory, taxation, inequality, high-performance computing.

## Teaching Experience

### Instructor:

Math Camp for Economics PhD (ECON 897), University of Pennsylvania,	2015, 2016
Introduction to MATLAB (ECON 103), Universidad de los Andes,	2013

### Teaching Assistant:

Macro Theory II for Economics PhD (ECON 704), University of Pennsylvania,	2014, 2015
Monetary and Fiscal Policy (ECON 243), University of Pennsylvania,	2014
Advanced Microeconomics: Game Theory (ECON 4113), Universidad de los Andes,	2012
Microeconomics II (ECON 2101), Universidad de los Andes,	2012
Advanced Macroeconomics: Long Run (ECON 4213), Universidad de los Andes,	2011
Linear Algebra I (MATE 1105), Universidad de los Andes,	2011
Mathematical Methods for Economists (MATE 2711), Universidad de los Andes,	2011
Introduction to Asymmetric Information and Auction Theory, Universidad de los Andes,	2010

## Working Papers

1. **Job Market Paper:** *Households or Banks: Who to Bailout? The Foreclosure Externality and Information Frictions*, 2016.
2. *A Practical Guide to Parallelization in Macroeconomics*, 2017.  
With Jesús Fernández-Villaverde.
3. ‘*The Effects of Student Loans on the Provision and Demand for Higher Education*’, 2016.  
With Rodrigo Azuero.
4. ‘*Equidad y Eficiencia Rural en Colombia: Una Discusión de Políticas Para el Acceso a la Tierra*’, 2012. Documento CEDE (2012-38).  
With Ana María Ibáñez and Margarita Gáfaró.
5. ‘*On the Determinants of Armed Groups’ Demobilization: Analysis of the Colombian Case*’.  
Advisors: Ana María Ibáñez and Daniel Mejía.
6. ‘*Solving the Support Vector Machines’ Optimization Problem Through k-Nearest Neighbors Search*’, 2012.

7. ‘*The Costs of Crime and Violence in Colombia: Juvenile Crime and Education.*’, 2012.  
With Ana María Ibáñez and Catherine Rodriguez.

### Honors, Awards and Fellowships

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| 1. Judith Rodin Fellow, University of Pennsylvania,                                | 2016 |
| 2. Best Preliminary Econometrics Exam (Economics PhD), University of Pennsylvania, | 2014 |
| 3. IDB grant for research on the costs of violence and conflict in Latin America,  | 2012 |
| 4. Cum Laude Degree in Economics (GPA: 4.60/5), Universidad de los Andes,          | 2011 |
| 5. Scholarship Awarded to the Best ECAES of Universidad de los Andes,              | 2011 |
| 6. Academic Excellence Scholarship (GPA: 5/5), Universidad de los Andes,           | 2011 |
| 7. Second Highest National ECAES Score (National Exam of Undergrad Quality),       | 2010 |

### Conferences and Presentations

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| 21st Annual LACEA Meeting, Medellín, Colombia, | 2016 |
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### Referee Experience

*International Economic Review*

### Professional Activities

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|---|-----------|
| Co-Founder of <a href="#">La Rama Ciudadana</a> , Colombia, | 2016      |
| Graduate Economics Society, University of Pennsylvania,     | 2015-2016 |

### Programming

Packages in R:

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| <a href="#">gmapsdistance</a> , with Rodrigo Azuero, | 2016 |
| <a href="#">Rtauchen</a> , with Rodrigo Azuero,      | 2016 |

Languages:

C++, Java, Python, R, CUDA, Stata

### Languages

English (fluent), Portuguese (proficient), Spanish (native).

Last updated: January, 2017