

**David Zarruk Valencia**  
135 S. 20th St, Philadelphia, PA, 19103  
+1 (267) 474-6472  
[davidza@sas.upenn.edu](mailto:davidza@sas.upenn.edu)

---

## Education

Ph.D. in Economics, University of Pennsylvania, Philadelphia, PA,	Expected 2018
M.A. in Economics, University of Pennsylvania, Philadelphia, PA,	Expected 2016
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 (ECON 897), Economics Department, University of Pennsylvania	Summer 2015, 2016
Introduction to MATLAB (ECON 103), Economics Department, Universidad de los Andes	2013

### Teaching Assistant

Macroeconomic Theory II (ECON 704), Monetary and Fiscal Policy (ECON 243), Economics Department, University of Pennsylvania	2014
Advanced Microeconomics: Game Theory,	2012
Microeconomics II,	2012
Advanced Macroeconomics: Long Run, Economics Department, Universidad de los Andes	2011
Linear Algebra I, Mathematical Methods for Economists, Mathematics Department, Universidad de los Andes	2011
Introduction to Asymmetric Information and Auction Theory, Economics Department, Universidad de los Andes	2010

## Research

*‘Equidad y Eficiencia Rural en Colombia: Una Discusión de Políticas Para el Acceso a la Tierra’,*

2012. *Working paper*, Documento CEDE (2012-38). With Ana María Ibáñez and Margarita Gáfaró.

‘*On the Determinants of Armed Groups’ Demobilization: Analysis of the Colombian Case*’. Masters’ thesis, 2012. Advisors: Ana María Ibáñez and Daniel Mejía.

‘*Solving the Support Vector Machines’ optimization problem through k-nearest neighbors search*’, 2012. *Working paper*.

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

## Honors, Awards and Fellowships

Judith Rodin Fellow. Fellowship awarded to doctoral students in Social Sciences who are committed to nation-building	2016
Best Preliminary Econometrics Exam Ph.D. in Economics, University of Pennsylvania	2014
IDB grant for research on the costs of violence and conflict in Latin America and the Caribbean.	2012
Cum Laude Degree in Economics (GPA: 4.60/5) B.A. in Economics, Universidad de los Andes	2011
Scholarship Awarded to the Best ECAES of Universidad de los Andes M.A. in Economics, Universidad de los Andes	2011
Academic Excellence Scholarship (GPA: 5/5), B.A. in Economics, Universidad de los Andes	2011
Second Highest National Score in ECAES (Colombian National Exam of Undergraduate Academic Quality)	2010

## Professional Activities

Graduate Economics Society, Economics Department, University of Pennsylvania	2015-2016
---	-----------

## Referee Experience

*International Economic Review*

## Programming

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

## Languages

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