# Michael Chirico

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## Education

2011-2017 (expected)

Ph.D., Deparment of Economics, Graduate School of Arts and Sciences, University of Pennsylvania

2009-2011

B.A., *summa cum laude*, College of Arts and Sciecnes, University of Pennsylvania; Mathematics (with Distinction), Economics, Japanese (Minor)

## Relevant Experience

*Research:* **[Real Estate Tax Experiment, ’14-’16]** Head of data analysis and implementation; regular intermediation with officials from City of Philadelphia for result dissemination and clarification; **[Flipped Classrooms Experiment, ’13-’16]** Head of data analysis and implementation; orchestrate and conduct classroom observations; regular communication with University and Math Department officials about design and project goals

*Volunteering*: **[Penn Math Club, ’16]** Conceptualize and implement the Penn Math Club for high-achievement inner-city high school students to be paired with Penn students as mentors/coaches; **[Math Lab Tutor, ’15-’16]** Tutor struggling students at Science Leadership Academy; **[WPTP mentor, ’09-’15]** Mentor elementary-level students from several schools in reading and math; **[Summer School, ’14]** Assist teaching math to summer school students at PE&T Charter School; **[Lindsay Scholar Advisor, ’09]** Mentor small group of 4th grade students in Philadelphia

Teaching Experience & Professional Activities: *Teaching*: **[F’16; graduate]** Statistical Analysis for Political Science; **[S’13]** Introduction to Econometrics; **[F’12; graduate]** Econometrics I; **[F’10; as undergraduate]** Introduction to Calculus

*Seminar and Conference Presentations*: Social Policy and Research in Cognition & Mathematics Education (UC Berkeley, May 2015); Empirical Microeconomics Workshop (UPenn, February 2015; March 2016)

*Workshops Directed*: An Introduction to R for Education Researchers (UPenn GSE, May 2016)

## Honors, Scholarships and Fellowships

* Institute of Education Sciences (IES) Pre-Doctoral Fellowship, 2013-2016

## Skills and Interests

*Computer Languages*: R (especially data.table), Bash, Python, QGIS, Stata, Matlab, Julia

*Technical Skills*: Bootstrapping, optimization, and advanced statistical analysis; data fidelity, cleaning, merging, management and organization; version control; web scraping; mail merge; machine learning; geospatial analysis

*Foreign Languages*: Japanese (fluent), Spanish (fluent), Chinese (basic), German (basic), Italian (basic)