

# JOHN ANDERS

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## FIELDS OF INTEREST

Applied Microeconomics: Public, Education, Economic History

## EDUCATION

PhD Economics, Texas A&M University	2014- Expected 2019
MA Economics, University of Nevada, Las Vegas	2012-2014
MA History and Philosophy of Science, University of Pittsburgh	2003-2007
MA Philosophy, University of Pittsburgh	2003-2007
BA Liberal Arts, St John's College, Santa Fe	1999-2003

## PUBLICATIONS AND WORKING PAPERS

### *Working Papers*

“The Long Run Effects of de jure Discrimination in the Credit Market: How Redlining Increased Crime” (Job Market Paper) [paper link](#)

Abstract: The welfare costs of crime are disproportionately borne by individuals living in predominately African-American or Hispanic neighborhoods. This paper uses two regression discontinuity designs to show that Federal housing policies established in the wake of the Great Depression make present-day contributions both to this inequity in the distribution of crime within cities and to the overall volume of crime in a city. To stabilize housing markets in the 1930's, a newly formed Federal agency constructed maps of 239 US cities; these maps purported to grade neighborhoods in terms of lending risk, the riskiest neighborhoods being labeled in red and colloquially said to have been “redlined”. Redlined neighborhoods faced decades of reduced credit access relative to neighborhoods assigned higher grades. First, I use a spatial regression discontinuity design to show that these neighborhood color assignments made in the late 1930s causally influence the present day distribution of crime across neighborhoods in Los Angeles, California. I use a second regression discontinuity design that relies on between-city variation in which cities were mapped to show that these housing policies did not merely redistribute present day crime within cities, but increased the overall volume of city-level crime. An extension of the latter analysis suggests that (a) redlining decreased crime in neighborhoods that were not redlined and that (b) increases in city-level racial segregation were one channel through which redlining increased city-level crime.

“Medicaid, Marijuana and Opioids: Identifying Shocks to Opioid Mortality” (Sole-Authored) [paper link](#)

Abstract: Is the opioid epidemic attributable to prescription painkillers being more accessible or to opioid substitutes being less accessible? I find that the state-level decision to increase access to prescription painkillers by expanding Medicaid under the Affordable Care Act increased both opioid prescriptions and in opioid-related deaths. These results vary strongly by demography, being driven largely by deaths of white men without college degrees. A back of the envelope calculation suggests that, for an average county, Medicaid expansion caused approximately 2,800 more people to be insured per year, 175,000 more opioid units to be prescribed per year, and 4 additional opioid-related deaths per year. I also find that the state-level decision to legalize recreational Marijuana (a substitute painkiller) reduced opioid related deaths. I conclude that policy-makers can achieve reductions in opioid mortality without restricting access to opioids.

“A Head Start on Crime-fighting? The Effect of Access to Early Childhood Education” (Joint With Andrew Barr and Alex Smith), Under Review [paper link](#)

Abstract: We provide the only large-scale evidence that early childhood education reduces later criminal behavior. To do so we leverage the county-level rollout of Head Start and administrative crime data containing the birth county of all individuals convicted of a crime in North Carolina. We find that the availability of a Head Start program reduces the likelihood of a serious criminal conviction by age 35 by 1.3 percentage points (6-9 percent) for children born into higher poverty counties. Given the high social costs of crime, the benefits generated by Head Start’s later crime reduction exceeded the costs of the program.

#### *Works in Progress*

The following projects all involve a restricted version of Census datasets in which I observe respondents’ place of birth.

#### “Long-Run Effects of College Accessibility”

I use college openings and closings in a county (from 1860-1990) to measure the effects of educational attainment on employment, occupation and income throughout adulthood and into retirement. I also consider long run effects on less well-studied outcomes such as health and civic engagement.

#### “Long-Run Effects of War on Poverty Programs”

I use the introduction of early childhood programs during the 1960s and 1970s such as Head Start, Food Stamps, WIC, and School Meal Subsidies to measure the long run impact of childhood safety net programs on adult outcomes including employment and criminal conviction.

#### “Long-Run Effects of Library Openings”

I use a novel dataset which contains the dates at which every US county gained its first public library. I then construct a variable which measures the number of years for which a given individual had an accessible public library in her county. I estimate the effects of exposure to a library, a key informational and educational institution, on various adulthood labor market and health outcomes.

### *Published Articles (Philosophy)*

- Anders, John. "Problēmata Mēchanika, the Analytics, and Projectile Motion" *Apeiron* 46.2 (2013): 106-135.
- Anders, John. "A Note on Aquinas' Alleged Quantifier Mistake in the Third Way." *International Journal for Philosophy of Religion* 71.2 (2012): 137-143.
- Anders, John. "An Aporetic Approach to Husserl's Reflections on Time" in *Epistemology, Archaeology, Ethics: Current Investigations of Husserl's Corpus*, Vandeveld, Luft (ed.) (2010), London, Continuum International Publishing Group, pgs. 79-101

### *Translations (History of Mathematics)*

- Anders, John, translator. Selections from "*Oeuvres Completes d'Augustin Cauchy: Resume des lecons donnees a l'Ecole Royale Polytechnique sur le calcul infinitesimal*". By Augustin-Louis Cauchy. In *God Created the Integers*, edited by Stephen Hawking, Running Press, 2005, pp. 643-667.
- Anders, John, translator. "*Gleichmaessige Stetigkeit*" By Karl Weierstrass. In *God Created the Integers*, edited by Stephen Hawking, Running Press, 2010, pp. 894-900.
- Ansaldi, Michael, translator, with technical assistance from John Anders. "*Ueber die Darstellbarkeit einer Function durch einer trigonometrische Reihe*". By Bernhard Reimann. In *God Created the Integers*, edited by Stephen Hawking, Running Press, 2005, pp. 826-865.
- Ansaldi, Michael, translator, with technical assistance from John Anders. "*Ueber die Anzahl Primzahlen unter eine gegeben Grosse*" By Bernhard Reimann. In *God Created the Integers*, edited by Stephen Hawking, Running Press, 2005, pp. 876-885.
- Ansaldi, Michael, translator, with technical assistance from John Anders. "*Integrale, Longeur, Aire*" By Henri Lebesgue. In *God Created the Integers*, edited by Stephen Hawking, Running Press, 2005, pp. 1046-1087.

## **CONFERENCE PRESENTATIONS AND ATTENDANCE**

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| " <i>The Long Run Effects of Discrimination: How Redlining Increased Crime</i> "                           | 2018 |
| Work presented at Urban Economic Association, 13th Annual Meeting <a href="#">slides</a>                   |      |
| " <i>Head Start on Crime-fighting? The Effect of Access to Early Childhood Education</i> "                 | 2017 |
| Work presented at Southern Economic Conference, 88th Annual Meeting <a href="#">slides</a>                 |      |
| Duke Summer Institute " <i>Topics in the History of Economics</i> "  | 2017 |
| Participated in two week seminar series in the Center for the History of Political Economy                 |      |
| " <i>Hegel's Critique of Newton</i> "  | 2014 |
| Presented at St John's College Santa Fe Graduate Institute Lecture Series, Santa Fe                        |      |
| " <i>Nature and Art in A Winter's Tale</i> "   | 2013 |
| Presented to Rocky Mountain Modern Language Association, Vancouver (panel on "Shakespeare and Philosophy") |      |
| " <i>Kant on Friendship</i> "  | 2011 |

- Commented on at American Philosophical Association Pacific Division, San Diego  
(panel devoted to the topic of philosopher's accounts of friendship)
- "An Aporetic Approach to Husserl's Reflections on Time"* 2008  
Presented to International Husserl Circle Conference, Milwaukee
- "Projectile Motion and the Mechanical Problems"* 2007  
Invited presentation to History of Science Society, Washington D.C. (panel on the  
*Mechanical Problems*)
- "The Ontological Status of Moral Virtue in Aristotle"* 2005  
Commented on at Pitt/CMU Graduate student conference, Pittsburgh
- "Analogical Argumentation in the 1905 Light Quantum Paper"* 2005  
Presented to Joint Atlantic Seminar in the History of the Physical Sciences session  
"Einstein's Centennial," South Bend

## TEACHING

- Texas A&M University* 2014-  
**Graduate Student Teaching Assistant in Economics Department**  
Econ 461: Economic Data Analysis  
Econ 463: Introduction to Econometrics
- University of Nevada, Las Vegas* 2008-2013  
**Adjunct Instructor in Philosophy Department**  
Phil 101: Introduction to Philosophy  
Phil 102: Critical Thinking and Reasoning  
Phil 102/Eng 102: Critical Thinking Linked to English Composition  
Phil 114: Introduction to Symbolic Logic
- University of Pittsburgh* 2003-2007  
**Graduate Student at University of Pittsburgh**  
Graduate Student Instructor in History and Philosophy of Science  
Instructor of Record for several classes covering Ancient Science, Early Modern  
Science and Philosophy  
Teaching Assistant for various classes concerning the history of science and famous  
paradoxes

## AWARDS

- Private Enterprise Research Center Fellowship* 2017-

## APPLIED SKILLS

Programming languages: STATA, QGIS  
Quantitative Methods: Techniques for causal analysis: regression discontinuity,  
difference-in-difference, instrumental variables, synthetic control, randomization inference, etc.  
Restricted Data Sets: familiar with applying for restricted data sets as well as working in  
Linux-based restricted dataset environments found at Census restricted data centers (RDC);  
currently have Special Sworn Status within the federal statistical system.

## **LANGUAGES**

Complete fluency: English, Quantifier Predicate Logic, STATA programming  
Reading Competency: Ancient Greek, French, German, Spanish

## **MEMBERSHIPS**

American Economic Association  
American Philosophical Association