

# ROBERT AARON NATHENSON

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## EMPLOYMENT

University of Pennsylvania, Graduate School of Education  
Research Specialist, Consortium for Policy Research in Education (2017-)  
Lecturer (Summer 2018)

Adjunct Faculty, Department of Policy, Organizational & Leadership Studies, College of Education, Temple University (2017-)

Economist, Picwell (2015-2016)

Postdoctoral Researcher and Fellow, Leonard Davis Institute of Health Economics, The Wharton School, University of Pennsylvania (2014-2016)

## EDUCATION

Ph.D. Johns Hopkins University (2010-2014)  
Emphasis on Quantitative Methods, Education, and Immigration  
Dissertation: *Children of Mexican Immigrants' Cognitive and Noncognitive Development in Traditional and Non-Traditional U.S. Destinations*  
Committee: Lingxin Hao, Karl Alexander, Robert Moffitt, Daniel Naiman, Andrew Cherlin

M.S.E. Johns Hopkins University (2010-2014)  
Applied Math and Statistics  
Thesis: *A Simulation Approach to Optimizing Selection of the Standard Error Specification in Count Data Modeling*

M.A. Johns Hopkins University (2008-2010)  
Sociology

M.Sc. University of Oxford (2005-2006)  
Sociology  
Thesis: *The Social Mobility of Black People: The Public/Private Sector Divide*

B.A. Washington University in St. Louis (*cum laude*, 2001-2005)  
Majors in History and American Culture Studies  
Minor in English  
Visiting Student, University of Oxford (2004)  
Thesis: *African Americans in St. Louis Between World Wars: Black Aid Organizations and the Struggle for Equality*

## GRANTS & CONTRACTS

Evaluation of the Pennsylvania Keystone Scholars Child Savings Account Initiative. Principal Investigator (subaward from National Philanthropic Trust). Henry L. Hillman Foundation; Neubauer Family Foundation; Pennsylvania Higher Education Assistance Agency; Richard King Mellon Foundation. \$2,250,000. 2018-2020.

Study of Teacher Leadership in the United States. Co-Investigator. Jon Supovitz, Principal Investigator. Nellie Mae Foundation. \$449,985. 2017-2018.

The Provision of Charity Care by Nonprofit Hospitals. Co-Principal Investigator with Guy David. Leonard Davis Institute of Health Economics, The Wharton School, University of Pennsylvania. \$14,000. 2015-2016.

## FELLOWSHIPS & HONORS

Competitively Selected to attend the Association for the Study of Higher Education (ASHE) Council for Public Policy and Higher Education (CPPHE) research and policy forum on “Emerging Issues in College Affordability” (Summer 2018)

SUMR Scholar Mentor, University of Pennsylvania (Summer 2015)

Academic Visitor, Sociology Department, University of Oxford (Summer 2011)

Institute of Education Sciences Interdisciplinary Pre-doctoral Fellow (2008-2013)

## AWARDS

Second place in the Diego Gambetta Puzzle Prize for If Winning is Your Game then Red is Your Color, Oxford University (2005-2006)

## PEER-REVIEWED PUBLICATIONS AND PAPERS UNDER REVIEW

### EDUCATION

Robert Nathenson and Jon Supovitz. “[Variation in Motivational Appeals to Completing a Teacher Survey: Lessons from a Randomized Experiment](#),” *Journal of Research on Educational Effectiveness* 12(2): 307-331.

Robert Nathenson and Pamela Bennett. “Hispanic-Serving By Intent: College Attendance Among Latinos Across a New Typology of Postsecondary Institutions,” revise and resubmit to *Social Science Research*.

Jon Supovitz, Caroline Ebby, Janine Remillard, and Robert Nathenson. “Experimental Impacts of Learning Trajectory-Informed Formative Assessment on Student Problem Solving Accuracy and Strategy Sophistication,” revise and resubmit to *Journal for Research in Mathematics Education*.

Caroline Ebby and Robert Nathenson, "Beyond Correctness: Strategy Sophistication and Problem Difficulty in Multiplicative Reasoning Performance," article under review.

## MANUSCRIPTS IN PREPARATION

Robert Nathenson, Greg Collins, Jon Supovitz. "The Impact of Learning Oriented Formative Assessment on Teachers' Analysis of Student Thinking," article in progress.

Robert Nathenson, Andres Samayoa, and Mary Beth Gasman. "Income Mobility at Historically Black Colleges and Universities," article in progress.

Robert Nathenson. "Children of Mexican Immigrants in Traditional and Non-Traditional Destinations: Cognitive and Noncognitive Development," article in progress.

## HEALTH

Robert Nathenson. "[Coverage Mandates and Market Dynamics: Employer, Insurer, and Patient Responses to Parity Laws](#)," forthcoming at *Health Economics, Policy and Law*.

Michael Nathenson, Constance Barysaukas, Robert Nathenson, William F. Regine, Nader Hanna, E.A. Suasville. "[Surgical Resection for Retroperitoneal Leiomyosarcoma and Liposarcoma](#)," *World Journal of Surgical Oncology* 16: 203.

Robert Nathenson and Michael Richards. "[Do Coverage Mandates Affect Direct-to-Consumer Advertising for Pharmaceuticals? Evidence from Parity Laws](#)," *International Journal of Health Care Finance and Economics* 18(3): 321-336.

Robert Nathenson and Benjamin Zablotsky. 2017. "[The Transition to the Adult Health Care System Among Youths with Autism Spectrum Disorder](#)." *Psychiatric Services* 68(7): 735-738.

Kristin Kan, Charlene Wong, Robert Nathenson, Zuleyha Cidav, and Daniel Polsky. 2017. "[Pediatric and Adult Physician Networks in Affordable Care Act Marketplace Plans](#)," *Pediatrics* 139(4).  
Media Coverage: [LDI Research Briefs](#)

Robert Nathenson, Brendan Saloner, Michael Richards, and Karin Rhodes. 2016. "[Spanish-Speaking Immigrants' Access to Safety Net Providers and Translation Services Across Traditional and Emerging US Destinations](#)." *Milbank Quarterly* 94(4): 768-799.  
Media coverage: [Health PolicySense](#)

Angela Chen, Guy David, and Robert Nathenson. "The Provision of Charity Care by Nonprofit Hospitals," revise and resubmit to *Medical Care Research and Review*.

## SPORTS ANALYTICS

Robert Nathenson. 2016. "[A Historical Tracking of Parity in Baseball](#)." *Chance* 29(1): 52-60.

## OTHER MANUSCRIPTS IN PREPARATION

Robert Nathenson. "The Estimated Effect of Ending H-1B Expedited Processing on Physician Supply," article in progress.

Robert Nathenson. "A Simulation Approach to Optimizing Selection of the Standard Error Specification in Count Data Modeling," article in progress.

Robert Nathenson. "Presumptive Nominee Boost and Consolidation: A Historical Comparison of Republican Nominees 1980-2016," article in progress.

## WORKS IN PROGRESS

Robert Nathenson, Amanda Jones-Layman, and Philip Sirinides. "College Savings Behavior in Early Childhood: Evidence from Pennsylvania 529 Accounts."

Robert Nathenson, Taylor Odle, and Manuel Gonzalez Canche. "Geographic Variation in the Health of College Savings: Relating savings to cost of attendance."

Robert Nathenson and Jon Supovitz. "Experimental Impacts of a Learning Oriented Formative Assessment on Teachers and Students."

Robert Nathenson, Maurice Spillane, and Jon Supovitz. "From Experiment to Scale: Experimental and Non-Experimental Impacts of the Ongoing Assessment Project on Teachers' Analysis of Student Thinking."

Robert Nathenson and Adam Bloomfield. "The Impact of the 2008 Recession on College Savings."

Robert Nathenson and Slava Mikhed. "(Un)intended Consequences to the 2017 Tax Reform on College Savings."

## OTHER PUBLICATIONS

Jonathan Supovitz, Caroline Ebby, Janine Remillard, and Robert Nathenson, "[Experimental Impacts of the Ongoing Assessment Project on Teachers and Students](#)." CPRE Research Report. October 10, 2018.

Jonathan Supovitz and Robert Nathenson, "Experimental Impacts of the Ongoing Assessment Project on Teachers and Students." Research report for the School District of Philadelphia. March 2018.

Jonathan Supovitz, Robert Nathenson, and Maurice Spillane. "Evaluation of the New Hampshire Ongoing Assessment Project on Teachers' Knowledge of Students' Fractional Thinking and Use of Reform-Oriented Teaching Practices." October 2017.

Charlene Wong, Kristin Kan, Zuleyha Cidav, Robert Nathenson, and Daniel Polsky. "[Pediatric and Adult Physician Networks in Affordable Care Act Marketplace Plans](#)." Research Brief, *Leonard Davis Institute of Health Economics*, March 2017.

Robert Nathenson. "[Has Donald Trump consolidated the party base less than previous Republican nominees?](#)" *PredictWise*, September 22, 2016.

Daniel Polsky, Janet Weiner, Robert Nathenson, Nora Becker, and Mounika Kanneganti. "[How Did Rural Residents Fare on the Health Insurance Marketplaces?](#)" Data Brief, *Robert Wood Johnson Foundation*, August 2014.

Robert Nathenson and Lingxin Hao. "Assimilation," in Kathleen Arnold (ed.) *Anti-Immigration in the United States: A Historical Encyclopedia*. 2011. Santa Barbara, CA: ABC-CLIO.

## PODCASTS & INTERVIEWS

"[What Happened When Florida Made Developmental Education Optional?](#)" March 2019. *Research Minutes*, [CPRE Knowledge Hub](#). Podcast Interview with Toby Park.

"[How Do College Students Use Advanced Placement Credit?](#)" December 2018. *Research Minutes*, [CPRE Knowledge Hub](#). Podcast Interview with Brent Evans.

"[Can Students Evaluate Online Sources? Learning from Assessments of Civic Online Reasoning.](#)" November 2018. *Research Minutes*, [CPRE Knowledge Hub](#). Podcast interview with Sarah McGrew.

"[Education Deserts.](#)" August 2018. *Research Minutes*, [CPRE Knowledge Hub](#). Podcast interview with Nicholas Hillman.

"[Delivering on the 'Pittsburgh Promise.'](#)" July 2018. *Research Minutes*, [CPRE Knowledge Hub](#). Podcast interview with Lindsay Page.

"[Impact of College Counseling on Enrollment and Persistence of Low Income Students.](#)" March 2018. *Research Minutes*, [CPRE Knowledge Hub](#). Podcast interview with Joshua Goodman.

## INVITED LECTURES & TALKS

"Variation in College Savings Behavior of Pennsylvania Households: Consequences for College Affordability." Invited talk, University of Michigan, May 2019.

"College Savings Behavior of 529 Account Holders: Initial Findings from a Partnership with the Pennsylvania Treasury Department." Invited talk, Johns Hopkins University, April 2019.

"Pennsylvania Household Education Savings Behavior after the 2017 Federal Tax Law." Invited talk, Penn Wharton Budget Model, University of Pennsylvania, April 2019.

"College Savings Patterns of Pennsylvania Households." Invited talk, Federal Reserve Bank of Philadelphia, March 2019.

"For-profit versus Not-for-profit Hospitals." Invited lecture, The Wharton School, University of Pennsylvania, March 2016.

"Propensity Score Matching." Invited talk, Picwell, Philadelphia, February 2016.

“On Faculty-Graduate Student Collaboration” (with Pamela Bennett). Invited talk, Program on Social Inequality Seminar Series, Johns Hopkins University, December 2011.

## CONFERENCE & SEMINAR PRESENTATIONS

2019: American Educational Research Association; Association for Education Finance and Policy; Federal Reserve Bank of Philadelphia; Johns Hopkins University; Penn Wharton Budget Model; University of Michigan; School District of Philadelphia

“Experimental Impacts of the Ongoing Assessment Project on Teachers and Students.” (with Jonathan Supovitz, Janine Remillard, and Caroline Ebby). The School District of Philadelphia Research, Policy and Practice (R2P) Conference, Philadelphia, May 2018.

“Two Year Impacts of the Ongoing Assessment Project on Teacher Professional Development and Student Learning,” (with Jonathan Supovitz, Caroline Ebby, and Janine Remillard). American Educational Research Association, New York, April 2018.

“Variation in Motivational Appeals to Survey Completion: Lessons from a Randomized Experiment with Teachers,” (with Jonathan Supovitz). Society for Research on Educational Effectiveness, Washington D.C., March 2018.

“Impacts of the Ongoing Assessment Project on Teachers and Students,” (with Jonathan Supovitz). Society for Research on Educational Effectiveness, Washington D.C., March 2018.

“Two Year Impacts of the Ongoing Assessment Project on Student Multiplicative Reasoning in Philadelphia, PA,” (with Jonathan Supovitz, Caroline Ebby, and Janine Remillard). American Educational Research Association, San Antonio, May 2017.

“The Provision of Charity Care by Nonprofit Hospitals,” (with Angela Chen and Guy David). Sixth Biennial Conference of the American Society of Health Economists, Philadelphia, June 2016.

“Is Your Specialist In-Network? Comparing Adult and Pediatric Physicians in the ACA Marketplace,” (with Kristin Kan, Charlene Wong, Zuleyha Cidav, and Daniel Polsky). AcademyHealth, Boston, June 2016.

“The Transition to the Adult Health Care System Among Adolescents with Autism Spectrum Disorder,” (with Benjamin Zablotsky; poster presentation). International Meeting for Autism Research, Baltimore, May 2016.

“State Immigration Policy: Beyond Population Growth.” Population Association of America, New Orleans, April 2013.

“Hispanic Serving by Design: Characteristics of Hispanic Students Across a New Typology of Hispanic Serving Institutions,” (with Pamela Bennett). American Sociological Association, Denver, August 2012.

“An Examination of the Relationship Between States’ Immigrant Population and Immigrant Legislation” (poster presentation). Research Committee on Social Stratification and Mobility (RC28), International Sociological Association, Hong Kong, May 2012. Cancelled due to illness.

- "Growth Trajectories of Mexican Children in Traditional and Non-Traditional Destinations: A Quasi-Experimental Design Approach." Eastern Sociological Association, Philadelphia, February 2011.
- "Missing Data Techniques in Group Randomized Trials: An Analysis of Algebra Interventions" (poster presentation). Institute for Education Sciences Research Conference, Washington D.C., June 2010.
- "Mexican Achievement in Traditional and Non-Traditional Destinations." Research Committee on Social Stratification and Mobility (RC28), International Sociological Association, Haifa, May 2010.
- "Immigration Policy and Earning Differentials Among High-Skilled Foreign- and Native-Born Americans," (with Lingxin Hao). American Sociological Association, San Francisco, August 2009.
- "Changes in Returns to Education for the High-Skilled Foreign- and Native-Born in the U.S," (poster presentation). Institute for Education Sciences Research Conference, Washington D.C., June 2009.
- "Immigration Policy and Earning Differentials Among High-Skilled Foreign- and Native-Born Americans," (with Lingxin Hao). Research Committee on Social Stratification and Mobility (RC28), International Sociological Association, Beijing, May 2009.
- "The Horizontal Dimension of Education in Earning Stratification of the College-Educated Population in the U.S," (with Lingxin Hao). Research Committee on Social Stratification and Mobility (RC28), International Sociological Association, Beijing, May 2009.

## **RESEARCH ASSISTANTSHIPS**

- Hispanic Serving Institutions and Historical Black Colleges & Universities* (with Pamela Bennett), Department of Sociology, Johns Hopkins University (Spring 2011 – Spring 2012)
- Missing Data Techniques in the Algebra I Study* (with Ruth Neild), Center for the Social Organization of Schools, Johns Hopkins University (Fall 2009 – Fall 2010)
- Immigration Policy and Changes to Earnings in the High-Skilled End of the Labor Market* (with Lingxin Hao), Department of Sociology, Johns Hopkins University (Fall 2008 – Fall 2009)

## **OTHER RESEARCH EXPERIENCE**

- Uganda, Humanitarian Innovation Project on Refugee Livelihood Innovations, Oxford University Department of International Development (Summer 2013)
- Mawa, Zambia Five Year Household Agricultural Survey, Catholic Relief Services (Summer 2013)
- Alabama Early Warning Indicator Intervention, Johns Hopkins University School of Education (Summer 2013)

## **PROFESSIONAL WORKSHOPS**

- Geocoding using Python*, Leonard Davis Institute of Health Economics, The Wharton School, University of Pennsylvania (Summer 2016)

## TEACHING EXPERIENCE

*Educ 838: Applied Research and Reporting*, Policy Division, Graduation School of Education, University of Pennsylvania (Summer 2018)

*Introduction to Statistics*, Adjunct Faculty, Department of Policy, Organizational & Leadership Studies, College of Education, Temple University (Fall 2017)

*Introduction to Sociology*, Teaching Assistant, Department of Sociology, Johns Hopkins University (Fall 2013)

*Introduction to Stata*, Primary Instructor, Graduate Short Course, Department of Sociology, Johns Hopkins University (Fall 2010 – 2013)

*Introduction to Stata*, Primary Instructor, Undergraduate Short Course, Department of Sociology, Johns Hopkins University (Fall 2011)

*Introduction to Social Statistics*, Teaching Assistant, Department of Sociology, Johns Hopkins University (Fall 2010)

## STUDENT MENTORSHIP

Taylor Odle, University of Pennsylvania. “Geographic Variation in the Health of College Savings: Relating savings to cost of attendance.”

Amanda Jones-Layman, University of Pennsylvania. “Evaluating Pennsylvania’s Keystone Scholars Child Savings Account Initiative” (2018-)

Greg Collins, University of Pennsylvania. “Experimental Impacts of a Learning Oriented Formative Assessment on Teachers and Students” (2018-)

Meghan Comstock, University of Pennsylvania. “Study of Teacher Leadership in the United States” (2018-)

Angela Chen, University of Pennsylvania, Undergraduate Senior Honors Thesis, *The Provision of Charity Care by Nonprofit Hospitals* (2015-2016)

Anuvrat Jha, SUMR Scholar Mentor, University of Pennsylvania (Summer 2015)

## RESEARCH & TEACHING INTERESTS

Education Policy  
Postsecondary Education  
Health Economics  
Quantitative Methodology and Statistical Modeling  
Sociology of Education  
Sociology of Immigration  
Social Stratification



## PROFESSIONAL AFFILIATIONS

American Economic Association (2015-)  
American Educational Research Association (2018-)  
American Society of Health Economists (2014-)  
American Sociological Association (2008-)  
    Sections:  
    Sociology of Education  
    International Migration  
    Methodology  
    Latina/o Sociology  
    Sociological Practice and Public Sociology  
Association for Education Finance and Policy (2018-)  
Association for Public Policy Analysis and Management (2012-)  
Eastern Sociological Society (2008-)  
Population Association of America (2013-)  
Society for Research on Educational Effectiveness (2011-)

## PROFESSIONAL SERVICE

Johns Hopkins  
    Initiator & Organizer, Methods Working Group (2012-2013)  
    Graduate Standards and Development Committee (2010-2012)  
    Graduate Student Committee Membership Coordinator (2010-2012)  
    Speaker's Committee (2008-2012)

## EDITORIAL EXPERIENCE

Reviewer, *AERA Open*  
Reviewer, *Journal of Health Politics, Policy and Law*  
Reviewer, *Autism: International Journal of Research and Practice*

## PROGRAMMING SKILLS

Stata (extensive)  
R (intermediate)  
Sas (intermediate)  
Python (basic)  
Machine Learning (basic)

## PROFESSIONAL CONSULTING

BT Consulting; Veta Health; National Philanthropic Trust