

PAUL T. VON HIPPEL

August 26, 2016

LBJ School of Public Affairs

University of Texas

2315 Red River, Box Y

Austin, TX 78712

(512) 537-8112

paulvonhippel.utaustin@gmail.com

www.utexas.edu/lbj/directory/faculty/paul-von-hippel

EMPLOYMENT

Associate Professor	LBJ School of Public Affairs University of Texas, Austin Affiliations and courtesy appointments: <ul style="list-style-type: none">• Sociology• Statistics and Scientific Computing• Center for Health and Social Policy• Population Research Center	2016-
Assistant Professor	LBJ School of Public Affairs University of Texas, Austin	2010-2015
Data scientist, Fraud & Risk	JPMorgan Chase and CheckFree Corp.	2006-2010
Research Statistician	Department of Sociology Initiative in Population Research Ohio State University, Columbus	2002-2006
Post-Doctoral Fellow	Cognitive and Systematic Musicology Lab Ohio State University, Columbus	1998-2001

EDUCATION

Ph.D., Ohio State University	Sociology	2010
M.A.S., Ohio State University	Statistics	2001
Ph.D., Stanford University	Computer Music / Music Psychology	1998
B.A., Yale University	Music (magna cum laude)	1990

GRANTS AND CONTRACTS

Extramural

<i>Source</i>	<i>Role</i>	<i>Other investigators</i>	<i>Years active</i>	<i>Amount</i>
W.T. Grant Foundation	PI		2016-17	\$25,000
Russell Sage Foundation	PI	Doug Downey (co-I), Joe Workman (consultant)	2016-17	\$100,000
W.T. Grant Foundation	PI	Doug Downey (co-I)	2013-16	\$300,000
St. David's Foundation	PI		2013-14	\$25,000

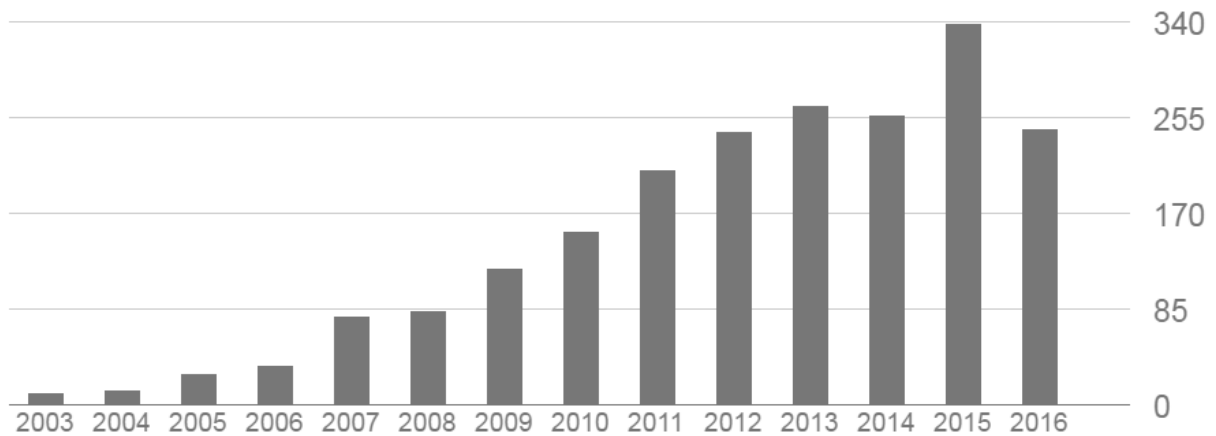
Center on Poverty and Inequality, PI Stanford University			2013	\$20,000
Texas Education Association	Co-I	Cynthia Osborne (PI), Jane Lincove (co-I)	2010-12	\$2,200,000
Spencer Foundation	Co-I	Doug Downey (PI)	2005-06	\$100,000

Intramural (University of Texas, Austin)

<i>Source</i>	<i>Role</i>	<i>Other investigators</i>	<i>Years active</i>	<i>Amount</i>
Policy Research Institute (PRI)	PI		2012-13 14-15 15-16	\$15,000/ year
Institute for Urban Policy Research & Analysis (IUPRA)	PI		2012	\$10,000

PUBLICATIONS

Citations per year



Invited book chapter

1. von Hippel, P.T. (2016). “Year-round school calendars: Effects on summer learning, achievement, families, and teachers.” Chapter 13 in Alexander, K., Pitcock, S. & Boulay, M. (eds.), *The Summer Slide: What We Know and Can Do About Summer Learning Loss*. New York: Teachers College Press. Also available as [SSRN working paper 2766106](#).

Peer-reviewed journal articles (†graduate student coauthor)

1. von Hippel, P. T. & Workman, J. (2016). “From kindergarten through second grade, children’s obesity prevalence grows only during summer vacations.” Accepted by *Obesity*, June 28, 2016. To appear November 2016.
2. von Hippel, P. T., †Bellows. L., Osborne, C., Lincove, J., & Mills, N. (2016). “Teacher quality differences between teacher preparation programs: How big? How reliable? Which

- programs are different?” *Economics of Education Review* 53: 31-45. Also available as [SSRN working paper 2506935](#).
3. Lynch, J.L. & von Hippel, P.T. (2016) “An education gradient in health, a health gradient in education, or a confounded gradient in both?” *Social Science and Medicine*, 154:18-27. [doi:10.1016/j.socscimed.2016.02.029](#). Epub Feb 23, 2016. Also available as [SSRN working paper 2583971](#).
 - a. [Comment](#) by Hessel, P., & Thomas, J.S., published online March 31, 2016.
 - b. [Reply](#) by von Hippel, P.T. & Lynch, J.L. published online April 13, 2016.
 4. von Hippel, P.T., †Scarpino, S.V., & †Holas, I. (2016). “Robust estimation of inequality from binned incomes.” *Sociological Methodology*, accepted and published [online ahead of print](#). Also available as [arXiv e-print 1402.4061](#).
 5. von Hippel, P. T. & †Bradbury, K. (2015). “The effects of school physical education grants on obesity, fitness, and achievement.” *Preventive Medicine* 78: 45-51.
 6. von Hippel, P. T., Nahhas, R., & Czerwinski, S. (2015). “How much do children’s body mass indices change over periods of 6-12 months? Statistics from before and during the obesity epidemic.” *Pediatric Obesity* 10(6): 468-475.
 7. von Hippel, P.T. (2015). “New confidence intervals and bias calculations show that maximum likelihood can beat multiple imputation in small samples.” *Structural Equation Modeling*, 23(3): 423-437. Also available as [arXiv e-print 1307.5835](#).
 8. von Hippel, P.T. (2015). “The heterogeneity statistic I^2 can be biased in small meta-analyses.” *BMC Medical Research Methodology* 15:35.
 9. von Hippel, P. T. & †Benson, R. (2014). “[Obesity and the natural environment across US counties](#).” *American Journal of Public Health*, 104(7):1287-1293. PubMed 24832148.
 - a. Comment by Adam Drewnowski: “Sunscreen or Gore-Tex?” *American Journal of Public Health*, September 2014.
 - b. Our reply to Drewnowski: “Hot properties, cold properties,” *American Journal of Public Health*, September 2014.
 10. von Hippel, P. T., & Lynch, J.L. (2014). “Why are educated adults slim—causation or selection?” *Social Science and Medicine* 105: 131-139. PubMed 24524908. Also available as [SSRN working paper 2054843](#).
 11. von Hippel, P. T., & Nahhas, R. (2013). “[Extending the history of child obesity in the United States: The Fels Longitudinal Study, birth years 1930-1993](#).” *Obesity* 21(1): 2153-2156. PubMed 23512972.
 12. von Hippel, P.T. (2013). “The bias and efficiency of incomplete-data estimators in small univariate normal samples.” *Sociological Methods and Research*, 42(4): 531-558. Also available as [arXiv e-print 1204.3132](#).
 13. von Hippel, P. T. (2013). “[Should a normal imputation model be modified to impute skewed variables?](#)” *Sociological Methods and Research*, 42(1), 105-138.
 14. von Hippel, P. T., & Lynch, J. L. (2012). “[A simplified equation for adult BMI growth, and its use to adjust BMI for age](#).” *International Journal of Epidemiology* 41(3): 888-890.
 15. von Hippel, P. T. (2009). “[How to impute interactions, squares, and other transformed variables](#).” *Sociological Methodology* 39, 265-291.

16. von Hippel, P.T. (2009). "[Achievement, learning, and seasonal impact as measures of school effectiveness: It's better to be valid than reliable.](#)" *School Effectiveness and School Improvement* 20(2), 187-213.
17. Downey, D.B., von Hippel, P.T. (*equal contributors*) & †Hughes, M. (2008). "[Are 'failing' schools really failing?](#)" *Sociology of Education* 81(3), 242-270.
18. von Hippel, P.T. (2007). "Regression with missing Ys: An improved strategy for analyzing multiply-imputed data" *Sociological Methodology* 37, 83-117.
19. von Hippel, P.T., Powell, B., Downey, D.B., & †Rowland, N. (2007). "[The effect of school on overweight in childhood: Gains in children's body mass index during the school year and during summer vacation.](#)" *American Journal of Public Health* 97(4), 796-802.
20. von Hippel, P.T. (2005). "[Mean, median, and skew: Correcting a textbook rule.](#)" *Journal of Statistics Education* 13(2).
 - a. Comment by Lawrence Lesser, *Journal of Statistics Education* 13(3).
21. Downey, D.B., von Hippel, P.T., and †Broh, B. (2004). "[Are Schools the Great Equalizer? School and Non-School Sources of Inequality in Cognitive Skills.](#)" *American Sociological Review* 69(5), 613-635.
22. von Hippel, P.T. (2004). "Biases in SPSS 12.0 Missing Values Analysis." *The American Statistician* 58(2), 160-164.
23. †Aarden, B., & von Hippel, P.T. (2004). "[Rules for chord-tone doubling \(and spacing\): Which ones do we need?](#)" *Music Theory Online* 10.2.
 - a. Comment by Roger Wibberley, *Music Theory Online* 10.3.
 - b. Reply by von Hippel & Aarden, *Music Theory Online* 10.4.
24. Hunter, D.J., & von Hippel, P.T. (2003). "[How rare is symmetry in musical 12-tone rows?](#)" *American Mathematical Monthly* 110(2), 124-132.
25. von Hippel, P.T. (2000). "[Questioning a melodic archetype: Do listeners use gap-fill to classify melodies?](#)" *Music Perception* 18(2), 139-153.
26. von Hippel, P.T., & Huron, D. (2000). "[Why do skips precede reversals? The effect of tessitura constraints on melodic structure.](#)" *Music Perception* 18(1), 59-85.
27. von Hippel, P.T. (2000). "[Redefining pitch proximity: Tessitura and mobility as constraints on melodic intervals.](#)" *Music Perception* 17(3), 315-327.

Conference Proceedings

1. von Hippel, P.T. (2002). "[Melodic Expectation Rules as Learned Heuristics.](#)" *Proceedings of the 7th International Conference on Music Perception and Cognition*. Adelaide: Causal Productions.

Letters and comments

1. von Hippel, P. T. (2013). "Statin therapy for hyperlipidemia." Letter to *Journal of the American Medical Association* 310(11): 1185.
2. von Hippel, P.T. (2005). "How many imputations are needed? A comment on Hershberger and Fisher." *Structural Equation Modeling*, 12(2), 334-335.
3. von Hippel, P.T. (2004). "School Accountability [a comment on Kane and Staiger]." *Journal of Economic Perspectives* 18(2), 275-276.

Encyclopedia articles

1. von Hippel, P. T. (2014). "[Mean Log Deviation](#)." *Wikipedia.org*
2. von Hippel, P. T. (2010). "Skewness." *International Encyclopedia of Statistical Science* (M. Lovric, Ed.). New York: Springer.
3. von Hippel, P.T. (2002) Four entries in the *Encyclopedia of Social Science Research Methods* (M. Lewis-Beck, A. Bryman, T.F. Liao, eds.). Thousand Oaks, CA: Sage.
 - a. "Critical value."
 - b. "Difference of proportions."
 - c. "Expected value."
 - d. "Normalization."

Op-Eds

- ["Evidence-Based Policy: Texas Lags But Should Lead."](#) 2015
August
- *Dallas Morning News*
 - *Forth Worth Star-Telegram*
 - *Austin American-Statesman*

Data journalism

- ["Linear vs. logistic probability models: Which is better, and when?"](#) Statistical Horizons. 2015
- ["What would be fair odds on American Pharoah?"](#) *Thoroughbred Racing Commentary*. 2015
- ["Should we add lithium to the water supply?!"](#) (with Sheila Olmstead). *Resources for the Future*. 2014
- ["Champion-challenger testing in higher education."](#) *Civitas Learning Space*. 2013
- ["What higher education today has in common with banking in the 1970s."](#) *Civitas Learning Space*. 2013
- ["Tweedledum vs. Tweedledee?"](#) Ralph Nader's own data show he's wrong about the major parties." *Gadflyer.com* 2004
- ["What are doctors really paying for malpractice insurance?"](#) *Gadflyer.com* 2004

Articles under review

1. von Hippel, P. T., & Hamrock, C. "Do test score gaps grow before, during, or between the school years?"
2. von Hippel, P. T., Keyes, K., et al. "Do US trends in obesity fit trends in the food supply?" Submitted to *Obesity*, June 4, 2016. Rejected June 20, 2016.
3. Benson, R., von Hippel, P.T., & Lynch, J.L. "Does more education cause lower BMI, or do lower-BMI individuals become more educated? Evidence from the National Longitudinal Survey of Youth 1979" Submitted to *American Journal of Epidemiology*, July 21, 2016.

Working papers

(excluding those that have also been published as journal articles)

1. von Hippel, P.T. (2016). “Maximum likelihood multiple imputation: A more efficient approach to repairing and analyzing incomplete data.” *arXiv* e-print [1210.0870](#).
2. von Hippel, P.T. (2016). “The number of imputations should increase quadratically with the fraction of missing information.” *arXiv* e-print [1608.05406](#).
3. von Hippel, P. T., & Hamrock, C. “Do test score gaps grow before, during, or between the school years?” [SSRN working paper 2745527](#).
4. von Hippel, P.T., & Lynch, J.L. (2013). “Efficiency gains from using auxiliary variables in imputation.” *arXiv* e-print [1311.5249](#).
5. von Hippel, P.T., Holas, I. & Scarpino, S.V. (2012). “SAS macros for estimation with binned data.” *arXiv* e-print [1210.0200](#).

Book reviews

1. von Hippel, P.T. (2006). “Jan Beran, *Statistics in Musicology*.” *Empirical Musicology Review* 1(1).
2. von Hippel, P.T. (2003). “Chava Frankfort-Nachmias and Anna Leon-Guerrero: *Statistics for a Diverse Society*.” *Teaching Sociology*, 31(1), 128-129.
3. von Hippel, P.T. (2000). “Jerrold Levinson: *Music in the Moment*.” *Music Analysis*, 19(1): 137-143.

Articles in preparation

Education

- von Hippel, P.T., Holas, I., & Scarpino, S. V. “Secession of the successful or millionaires next door? Family income inequality within and between US school districts, 1970-2009.” Planned submission to *Sociological Science*.
- von Hippel, P. T. & Quezada-Hofflinger, A. “US school district revenues, 1970-2014: Progressive equalization or persistent inequality?” Planned submission to *American Sociological Review*.
- von Hippel, P. T. & Wagner, C. “Does a successful experiment lead to effective policy? Class size reduction in Tennessee after Project STAR” Planned submission to *Journal of Policy Analysis and Management*.
- Quezada-Hofflinger, A. & von Hippel, P.T. “Do high stakes tests improve teaching or teach schools to game the system?” Planned submission to *Journal of Policy Analysis and Management*.
- Quezada-Hofflinger, A. & von Hippel, P.T. “The effects of expanding school choice on achievement, segregation, and inequality: Chile from 1999 to 2013.” Planned submission to *Journal of Policy Analysis and Management*.
- von Hippel, P. T. “Does ability grouping exacerbate inequality? A classroom-level analysis.” Planned submission to *Sociology of Education*.

von Hippel, P. T. & Choi, J. “How can unequal schools serve as equalizers?” Planned submission to *Harvard Educational Review*.

Statistical methods

Hunter, D.J., von Hippel, P.T. et al. “Estimation with binned incomes: Which method is best?” Planned submission to *The American Statistician*.

von Hippel, P.T. “How many imputations are needed? Confidence intervals for Monte Carlo error in multiple imputation.” Planned submission to *Statistics in Medicine*.

von Hippel, P.T. & Lynch, J.L. “Bias in linear and logistic probability models with fixed effects.” Planned submission to *Sociological Methodology*.

Obesity

von Hippel, P. T., Sparks, C., & †Pattison, E. “Why are some US counties more obese than others—environment or demographics?” Planned submission to *Social Science and Medicine*.

von Hippel, P. T. “Have schools made US children overweight? A review.” Planned submission to *Obesity*.

Government reports

Osborne, C., Lincove, J. von Hippel, P.T., Mills, N., Dillon, A., Bellows, L. (2012). *Educator Preparation Programs’ Influence on Student Achievement*. Report to the Texas Education Agency. Austin, TX: Project on Educator Effectiveness and Quality (PEEQ).

Research Briefs

“Summertime and weight gain.” (2007). Center for Summer Learning, Baltimore, MD.

Published software

1. von Hippel, P.T. & Powers, D.E. (2015). “The *rpme* command for Stata.” This implements the robust Pareto midpoint estimator developed by von Hippel, Scarpino, and Holas (2015).
<http://econpapers.repec.org/software/bocbocode/s457863.htm>
2. Scarpino, S., von Hippel, P.T., & Holas, I. (2014). “The *binequality* package for R.” This implements the multimodel GB estimator developed by von Hippel, Scarpino, and Holas (2014).
<http://cran.r-project.org/web/packages/binequality/index.html>.
3. von Hippel, P.T. (2007). “The *%mid* macro for SAS.” This implements the multiple imputation with deletion (MID) method developed by von Hippel (2007). The macro is in that article’s Appendix.

Published data

1. London, J., von Hippel, P.T., Huron, D., Cartano, J., Kingery, K., Olsen, B., & Santelli, T. (2001). “Row forms in the serial works of Schoenberg, Berg, and Webern.” Stanford, CA: Center for Computer Assisted Research in the Humanities (www.ccarh.org/publications/data/humdrum/tonerow).

2. von Hippel, P.T. (1998). "42 Ojibway songs in the Humdrum **kern representation: Electronic transcriptions from the Densmore collections." Stanford, CA: Center for Computer Assisted Research in the Humanities
(www.ccarh.org/publications/data/humdrum/ojibway).

AWARDS

Major

- | | |
|---|------|
| One of top 5 papers in annual Obesity Symposium.
The Obesity Society.
(For "From Kindergarten Through 2nd Grade, US Children's Obesity Prevalence Grows Only During Summer Vacations.") | 2016 |
| James Coleman Award for best article in the past two years.
Education section, American Sociological Association.
(For "Are 'Failing' Schools Really Failing?") | 2009 |
| Clifford Clogg Award for year's best article by a graduate student.
Methodology section, American Sociological Association.
(For "Regression with Missing Ys.") | 2007 |
| Willard Waller Award for best article in the past three years.
Education section, American Sociological Association.
(For "Are Schools the Great Equalizer?") | 2005 |

Minor

- | | |
|---|--------------|
| Best poster award, Population Association of America.
(For "Why are educated adults slim?") | 2012 |
| Kingsbury Data Center Award.
Northwest Evaluation Association. | 2010 |
| Lieberman Dissertation Fellowship, Stanford University.
Awarded to eleven students in a university-wide competition. | 1996-7 |
| Centennial Teaching Assistant Award, Stanford University. | 1995 |
| Bing Teaching Initiative Grants, Stanford University. | 1994
1995 |

MEDIA COVERAGE OF RESEARCH

- | | |
|---|------|
| von Hippel, P.T., & Bradbury, W.K. "The effects of physical education grants."
<ul style="list-style-type: none"> • NPR "All Things Considered" (Texas edition), <i>Houston Chronicle</i>, <i>Texas Tribune</i>, <i>Austin American-Statesman</i>, and 25 other news outlets. | 2015 |
| von Hippel, P.T., & Benson, R. "Obesity and the natural environment."
<ul style="list-style-type: none"> • <i>Weather Channel</i>, <i>Houston Chronicle</i> and 20 other news outlets | 2014 |
| von Hippel, P.T., & Nahhas, R. "Extending the history of child obesity."
<ul style="list-style-type: none"> • <i>Freakonomics.com</i> | 2013 |
| von Hippel, P.T. "Summer Learning and Year-Round Schools"
<ul style="list-style-type: none"> • NPR Morning Edition, Associated Press, <i>Chicago Tribune</i> and 30 other newspapers and radio stations. | 2009 |

- von Hippel, P.T., et al. “The Effect of School on Overweight” 2007
- *Fox News Live* (live television interview)
 - *New York Times, Los Angeles Times, Chicago Tribune, Readers Digest, Associated Press, Reuters, Parenting*, and 200 other news outlets.

PRESENTATIONS

Conferences (†session organizer)

Association for Public Policy Analysis and Management (APPAM)	2015†
American Sociological Association	2004,05,07,11-14,16†
Population Association of America	2012, 2015
Association for Education Finance and Policy	2013, 2014
Joint Statistical Meetings	2013
Sociology of Education Association	2010
American Education Research Association	2008
Midwinter Methods Meeting (American Sociological Association)	2008
International Congress for School Effectiveness and Improvement	2006
Consortium of State Organizations for Texas Teacher Education	2014
Texas GIS Forum	2012

Invited Lectures

“How Equal are Schools?”	
• Duke University, Department of Sociology.	2016
“Do achievement gaps open before, during, or between the school years?”	
• UCLA, Sociology Department.	2016
• RAND Corporation, Washington DC.	2015
• Harvard University, Graduate School of Education.	2014
“Maximum likelihood multiple imputation.”	
• Harvard University, Institute for Quantitative Social Science	2017
• University of Texas, McCombs School of Business	2016
• Stanford University, Biostatistics Seminar.	2013
“Estimating inequality from binned incomes.”	
• Harvard University, Kennedy School.	2017
• Stanford University, Center for Poverty and Inequality.	2013

- “Have Schools Made US Children Overweight?”
- Wright State University, School of Medicine. 2013
 - National Center for Summer Learning, Pittsburgh PA. 2012
 - Ohio State University, Department of Sociology. 2010
 - Pennsylvania State University, Department of Sociology. 2009
 - Notre Dame, Department of Sociology. 2009
 - Rice University, Department of Sociology. 2009
 - University of Texas, LBJ School of Public Affairs. 2009
 - Ohio State University, School of Education. 2009
 - Johns Hopkins University, 5th Annual Education Summit 2008
- “Filling Holes in Your Data.”
- Notre Dame, Department of Statistics. 2010
 - Harvard University, Graduate School of Education. 2009
 - Indiana University, Department of Sociology. 2008

TEACHING

- Research design. 2012-16
 University of Texas, LBJ School of Public Affairs.
 PhD seminar.
- Evaluation design: Generalization and causality. 2011, 13, 15, 16
 University of Texas, LBJ School of Public Affairs.
 Masters students. Flipped classroom.
- Evidence-based policy in the Texas state legislature. 2016-17
 University of Texas, LBJ School of Public Affairs.
 Policy Research Project.
- Debates in US education policy, from 1966 to today. 2010, 12, 14, 16
 University of Texas, LBJ School of Public Affairs.
 Masters seminar. Debate format.
- Introduction to quantitative data analysis. 2002-2006
 Ohio State University, Sociology Department.
 Undergraduate lecture & lab.
- Pedagogy. 1996
 Stanford University, Music Department. PhD seminar.
- Music theory, ear training. 1993-96
 Stanford University, Music Department.
 Undergraduate lecture & lab.

SERVICE

National committees

- Research Advisory Board, National Summer Learning Association. 2014-
- Research Advisory Board, Horizons National. 2013-
 The Board is planning a multi-year, multi-site randomized evaluation to estimate the impact of the Horizons summer learning program.

Chair, David L. Stevenson award committee, Education section, American Sociological Association	2014
Chair, Clifford Clogg award committee, Methodology section, American Sociological Association	2012
Committee member, Willard Waller Award, Education section, American Sociological Association	2010
Conference program committee, Society for Music Perception and Cognition	2001

University committees (LBJ School of Public Affairs, University of Texas)

Chair, IT committee	2014-15
Diversity committee	2013-15
Ph.D. comprehensive exam committee	2011-15
Research committee	2011-13
Recruitment committee, Assistant Professor position	2011-12
Admissions committee, Master of Public Affairs.	2010-11

Consulting

Deats Durst Owen & Levy, PLLC (employment law). Assessed allegations of teacher cheating on high-stakes tests.	2014
US Equal Employment Opportunity Commission. Consulted on detecting discrimination from binned wages.	2013
Clark County Public School District (greater Las Vegas). Expert testimony to Year-Round Schools Study Group.	2007
Teach For America. Piloted a new program to recruit graduate students and PhDs.	2006

Editorial boards

<i>Socius</i>	2015-
<i>Sociological Methods and Research</i>	2013-
<i>Music Perception</i>	2004-7