

PAUL T. VON HIPPEL

Department of Sociology, Ohio State University, Columbus OH 43210
von-hippel.1@osu.edu, www.sociology.ohio-state.edu/people/ptv/
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RECENT EMPLOYMENT

Senior Fraud Analyst, CheckFree Corporation and JPMorgan Chase. Developed statistical models for detecting Internet fraud and check fraud.	2006-08
Research Statistician, Department of Sociology and Initiative in Population Research, Ohio State University.	2002-06
Post-Doctoral Fellow, School of Music, Ohio State University.	1998-2001

EDUCATION

Ph.D., Ohio State University	Sociology.	2008-9 (expected)
M.A.S., Ohio State University	Statistics.	2001
Ph.D., Stanford University	Computer-Based Music Research.	1998
B.A., Yale University	Music. Magna cum laude.	1990

GRANTS AND AWARDS

Grants

Spencer Foundation. \$103,175. Co-investigator with Douglas B. Downey. For "Are 'Failing Schools' Really Failing?"	2006
National Institute of Child Health and Development. \$147,000. Essential personnel under PI Douglas B. Downey. For "School and Non-School Influences on Children's Rate of Learning."	2004-05

Awards

Honorable mention, David L. Stevenson Award for year's best education paper by a graduate student. Education Section, American Sociological Association. (For "What Happens to Summer Learning in a Year-Round School?")	2008
Clifford Clogg Award for year's best methodology paper by a graduate student. Methodology Section, American Sociological Association. (For von Hippel 2007, "Regression with Missing Ys.")	2007
William Waller Award for best education paper in the past three years. Sociology of Education section, American Sociological Association. (For Downey, von Hippel, & Broh 2004, "Are Schools the Great Equalizer?")	2005

RECENT PUBLICATIONS: SOCIOLOGY AND STATISTICS

Articles, published

von Hippel, P.T. "Achievement, learning, and impact as measures of school effectiveness: It's better to be valid than reliable." Conditionally accepted, <i>School Effectiveness and School Improvement</i> .	forthcoming
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*Downey, D.B., *von Hippel, P.T., & Hughes, M. “Are ‘failing’ schools really failing?” Conditionally accepted, *Sociology of Education*. 2008
 *The first two authors contributed equally.

*von Hippel, P.T. “Regression with missing Ys: An improved strategy for analyzing multiply-imputed data” *Sociological Methodology* 37. 2007
 *Clifford Clogg Award. (See “Awards” above.)

von Hippel, P.T., Powell, B., Downey, D.B., & Rowland, N. “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. 2007

von Hippel, P.T. “Mean, Median, and Skew: Correcting a Textbook Rule.” *Journal of Statistics Education* 13(2). 2005

von Hippel, P.T. “How Many Imputations Are Needed? A Comment on Hershberger and Fisher (2003).” *Structural Equation Modeling*, 12(2), 334-335. 2005

*Downey, D.B., von Hippel, P.T., and Broh, B. “Are Schools the Great Equalizer? School and Non-School Sources of Inequality in Cognitive Skills.” *American Sociological Review* 69(5), 613-635. 2004
 *William Waller Award. (See “Awards” above.)

von Hippel, P.T. “Biases in SPSS 12.0 Missing Values Analysis.” *The American Statistician* 58(2), 160-164. 2004

von Hippel, P.T. (2004). “School Accountability [a comment on Kane and Staiger (2002)]”. *Journal of Economic Perspectives* 18(2), 275-276. 2004

von Hippel, P.T. Four entries in the *Encyclopedia of Social Science Research Methods* (M. Lewis-Beck, A. Bryman, T.F. Liao, eds.). Thousand Oaks, CA: Sage. 2003

1. “Critical value.”
2. “Difference of proportions.”
3. “Expected value.”
4. “Normalization.”

Articles, under review

von Hippel, P.T. “What happens to summer learning in a year-round school?”
 Revise and resubmit at *Sociology of Education*. Revision requested
 May 2008

von Hippel, P. T. “Bias from transforming imputed variables.” Revise and
 resubmit at *Sociological Methods and Research*. Revision requested
 Jan 2008

von Hippel, P. T. “Imputing interactions under a normal imputation model.”
 Submitted to *The American Statistician*. Submitted
 Nov. 2007

von Hippel, P. T. “Simpler methods for teaching chi-square.” Submitted to
College Mathematics Monthly. Revision requested
 Jan. 2007

Book review

von Hippel, P.T. “Chava Frankfort-Nachmias and Anna Leon-Guerrero: *Statistics for a Diverse Society* [review of the book].” *Teaching Sociology*, 31(1), 128-129. 2003

Conferences

von Hippel, P.T. “Summer Learning in Year-Round Schools.” American Educational Research Association, New York, NY. 2008, March

von Hippel, P.T. “The Effect of Schools on Overweight in Early Childhood.” 5th Annual Education Summit, Johns Hopkins University, Baltimore, MD. 2008, February

von Hippel, P.T. “Imputing Non-Normal Data Under a Normal Model.” Midwinter Meeting, Methodology Section, American Sociological Association. Duke University, Durham, NC. 2008, February

von Hippel, P.T. “What happens to summer learning in a year-round school?” American Sociological Association, New York, NY. 2007, August

Downey, D.B., von Hippel, P.T., & Hughes, M. “Are ‘failing’ schools really failing? Using seasonal comparisons to evaluate school effectiveness.” International Congress for School Effectiveness and Improvement, Fort Lauderdale, FL. 2006, January

Downey, D.B., von Hippel, P.T., & Hughes, M. “Are ‘failing’ schools really failing?” Sociology of Education Section No Child Left Behind Conference, Philadelphia, PA. 2005, August

von Hippel, P.T., Powell, B., Downey, D.B., & Rowland, N. “When summer gain is a setback.” American Sociological Association, San Francisco. 2004, August

Downey, D.B., von Hippel, P.T., & Hughes, M. “Are ‘failing’ schools really failing?” American Sociological Association, San Francisco. 2004, August

MEDIA COVERAGE

For von Hippel, Powell, Downey and Rowland (2007), “The Effect of School on Overweight”:
Fox New Live (live appearance)
New York Times, *Los Angeles Times*, *Chicago Tribune*, *Readers Digest*, Associated Press, Reuters, *Parenting*, and 200 other newspapers and magazines.

For von Hippel (2007), “What Happens To Summer Learning in a Year-Round School?”
KCBS radio, San Francisco (live appearance)
Chicago Tribune and 20 other newspapers.

CONSULTING

Clark County Public School District (greater Las Vegas). Expert testimony to Year-Round Schools Study Group. 2007

Teach For America. Helped to pilot a teacher-recruiting program that targets graduate students and PhDs. 2004-06

REVIEWING (WITH NUMBER OF REVIEWS)

Sociology and Statistics

American Sociological Review (7)
American Journal of Sociology (1)
The Sociological Quarterly (3)
Sociological Methodology (3)
Sociological Methods and Research (1)
Structural Equation Modeling (1)
Journal of the Royal Statistical Society B (1)
Computational Statistics and Data Analysis (1)
Journal of Clinical Epidemiology (1)
Journal of Clinical Outcomes Management (1)
Perception and Motor Skills (1)
Undergraduate statistics textbooks (2)
Netherlands Organization for Scientific Research (1)

Music and Psychology

Editorial board, *Music Perception* (12), 2004-2007.
Conference program committee, Society for Music Perception and Cognition, 2001
Journal of Experimental Psychology, General (1)
Music Theory Online (1)
Musicae Scientiae (1)
Computing in Musicology (3)
International [Conference of the] Society for Music Information Retrieval (15)
TALENT post-doctoral grant program of Netherlands Organization for Scientific Research (1).

LESS-RECENT PUBLICATIONS:

MUSIC PSYCHOLOGY AND QUANTITATIVE MUSICOLOGY

Articles, published

von Hippel, P.T., & Aarden, B. "Rules for chord-tone doubling: A reply to Wibberley." <i>Music Theory Online</i> 10.4.	2004
Aarden, B., & von Hippel, P.T. "Rules for chord-tone doubling: Which ones do we need?" <i>Music Theory Online</i> 10.3.	2004
Hunter, D.J., & von Hippel, P.T. "How rare is symmetry in musical 12-tone rows?" <i>American Mathematical Monthly</i> 110(2), 124-132.	2003
von Hippel, P.T. "Melodic-expectation rules as learned heuristics." <i>Proceedings of the 7th International Conference on Music Perception and Cognition</i> . Sydney, Australia.	2002
von Hippel, P.T. "Questioning a melodic archetype: Do listeners use gap-fill to classify melodies?" <i>Music Perception</i> 18(2), 139-153.	2000

von Hippel, P.T., & Huron, D. “Why do skips precede reversals? The effect of tessitura constraints on melodic structure.” *Music Perception* 18(1), 59-85. 2000

von Hippel, P.T. “Redefining pitch proximity: Tessitura and mobility as constraints on melodic intervals.” *Music Perception* 17(3), 315-327. 2000

Book reviews

von Hippel, P.T. “Jan Beran, *Statistics in Musicology* [review of the book].” *Empirical Musicology Review* 1(1). 2006

von Hippel, P.T. “Jerrold Levinson: *Music in the Moment* [review of the book].” *Music Analysis*, 19(1): 137-143. 2000

Refereed conferences, national and international

von Hippel, P.T. “Melodic expectations as learned, imperfect heuristics.” 2002, July 18
International Conference on Music Perception and Cognition, Sydney, AU.

von Hippel, P.T. “Melodic-expectation rules as learned heuristics.” 2001, August 11
Society for Music Perception and Cognition, Kingston, ON.

von Hippel, P.T. “The anxious mood of Schoenberg’s ‘Nacht’: A case study in environmental aesthetics.” 2000, Nov. 5
Society for Music Theory, 23rd meeting, Toronto, ON.

Huron, D., & von Hippel, P.T. “Tonal and contra-tonal structure in Viennese 12-tone rows.” [poster] 2000, Nov. 3
Society for Music Theory, 23rd meeting, Toronto, ON.

von Hippel, P.T. “An ‘ecological’ model of melodic expectation.” 1999, Nov. 11
Society for Music Theory, 22nd meeting, Atlanta, GA.

von Hippel, P.T. “An ecological model of melodic expectation.” 1999, Aug. 15
Society for Music Perception & Cognition, Evanston, IL.

von Hippel, P.T., & Huron, D. “Rethinking pitch proximity, explaining post-skip reversals.” 1999, Aug. 15
Society for Music Perception & Cognition, Evanston, IL.

von Hippel, P.T., & Huron, D. “Are melodic skips elastic? Unsettling findings from an analysis of vocal monophony.” 1998, Dec. 4
Society for Music Theory, 21st meeting, Chapel Hill, NC.

Refereed conferences, regional

Hunter, D. & von Hippel, P.T. “Symmetry in musical 12-tone rows.” 2001, Dec. 13
Mathematical Association of America, Southern California section, Los Angeles, CA.

von Hippel, P.T., & Huron, D. “Melodic gap-fill and regression toward the mean.” 1998, Feb. 7
American Musicological Society, Northern/Central California chapter, Oakland, CA.

Invited lectures

- von Hippel, P.T. “Expectations and melodic structure: What is the relationship?” University of Cincinnati, College-Conservatory of Music. 2006, Jan. 20
- von Hippel, P.T. “Expectations and melodic structure: What is the relationship?” Indiana University, School of Informatics. 2002, October
- Hunter, D. & von Hippel, P.T. “Symmetry in musical 12-tone rows.” University of Redlands, Mathematics Department. Redlands, CA 2002, Feb. 19
- von Hippel, P.T. “An ‘ecological’ model of melodic expectation.” University of California, Berkeley, Center for New Music and Audio Technology. Berkeley, CA. 1999, Sept. 27

Computer databases

- London, J., von Hippel, P.T., Huron, D., Cartano, J., Kingery, K., Olsen, B., & Santelli, T. (von Hippel, P.T., ed.). “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). 2001
- von Hippel, P.T., “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). 1998

Thesis advising

- Aarden, B.J. “An empirical study of chord-tone doubling in common era music.” Master’s thesis, School of Music, Ohio State University. (With David Huron.) 2001

Research fellowships

- Post-Doctoral Fellowship, School of Music, Ohio State University. 1998-2001
Given to one scholar each year for research in empirical music psychology.
- Lieberman Dissertation Fellowship, Stanford University. 1996-97
Awarded to eleven students in a university-wide competition.

TEACHING

Courses taught

- Introduction to quantitative data analysis. 2002-2007
Ohio State University, Sociology Department. 2-3 quarters per year
Primary instructor. 56 undergraduates, 1-2 TAs.
Median rating: 4.25 out of 5.
- Pedagogy. 1996
Stanford University, Music Department. A funded Bing Teaching Initiative.
Primary instructor. 6 graduate students. spring & fall
- Basic music literacy. 1996, fall
Stanford University, Music Department. Section leader. 40 undergraduates.

Aural skills, harmony & counterpoint since 1600. 1993-95
Stanford University, Music Department. Section leader. 20 undergraduates. fall, winter & spring

History of computer music. 1993
Stanford University, Music Department. Grader. 25 undergraduates. spring

Pedagogical consulting

Consultant, Stanford Center for Teaching and Learning. 1994-96
Coached graduate teaching assistants in all departments.

Teaching awards

Bing Teaching Initiative Grant, Stanford University. 1995

Centennial Teaching Assistant Award, Stanford University. 1995

Bing Teaching and Technology Grant, Stanford University. 1994