

Curriculum Vitae
Stephanie Eckman

August 13, 2013

1 Personal Information

Email seckman@survey.umd.edu
Website stepheckman.com

Education

- 2010 **Ph.D. in Survey Methodology**
Joint Program in Survey Methodology
University of Maryland, College Park
Dissertation: *Errors in Housing Unit Frames and Their Effects on Survey Estimates* directed by Dr. Frauke Kreuter
- 1998 **Master of Arts in Economics**
University of Massachusetts, Amherst
- 1994 **Bachelor of Arts (*magna cum laude*) in Economics**
Smith College, Northampton, MA

Citizenship U.S.

2 Professional Experience

- 2013 **Interim Chair, Statistics & Social Science Methods**
University of Mannheim, Mannheim, Germany
- 2010–Present **Senior Researcher, with tenure**
Institute for Employment Research (IAB), Nuremberg, Germany
- Fall 2009 **Academic Guest** of Professor Andreas Diekmann
Swiss Federal Institute of Technology (ETH), Zurich, Switzerland
- 2001–2009 **Senior Survey Methodologist**
National Opinion Research Center, Chicago, IL and Bethesda, MD
- 1999–2001 **Senior Data Analyst**
Massachusetts Institute for Social and Economic Research

3 Publications

Peer-Reviewed Articles

1. Eckman, S and Kreuter, F. “Undercoverage Rates and Undercoverage Bias in Traditional Housing Unit Listing” forthcoming in *Sociological Methods and Research*.
2. Eckman S, Sinibaldi, J and Möntmann-Hertz, A. (2013) “Can Interviewers Effectively Rate the Likelihood of Cases to Cooperate?” *Public Opinion Quarterly* 77(2): 561-573.
3. Eckman, S. (2013) “Do Different Listers Make the Same Housing Unit Frame? Variability in Housing Unit Listing” *Journal of Official Statistics* 29(2): 249-259.
4. Eckman, S and English, N. (2012) “Creating Housing Unit Frames from Address Databases: Geocoding Precision and Net Coverage Rates” *Field Methods* 24(4): 399-408.
5. Tourangeau, R, Kreuter, F and Eckman, S. (2012) “Motivated Underreporting in Screening Interviews” *Public Opinion Quarterly* 76(3): 453-469.
6. Eckman, S and O’Muircheartaigh, C. (2011) “The Performance of the Half-Open Interval Missed Housing Unit Procedure” *Survey Research Methods* 5(3): 125-131.
7. Eckman, S and Kreuter, F. (2011) “Confirmation Bias in Housing Unit Listing” *Public Opinion Quarterly* 75(1): 139-150.
8. Kreuter, F, Eckman, S, Maaz, K and Waterman, R. (2010) “Children’s Reports of Parents’ Socio-Economic Status: Does it Matter Whom You Ask and What You Ask About?” *Survey Research Methods* 4(3): 127-138.
9. O’Muircheartaigh, C, Eckman, S and Smith, S. (2009) “Statistical Design and Estimation for the National Social Life, Health, and Aging Project” *Journal of Gerontology* 64B (suppl 1): i12-i19.

Book Chapters

10. Eckman, S. (2013) “Paradata in Coverage Research” in Kreuter, F. *Improving Surveys through Paradata: Analytic Uses of Process Information*. Wiley.
11. Harter, R, Eckman, S, English, N and O’Muircheartaigh, C. (2010) “Applied Sampling for Large-Scale Multi-Stage Area Probability Designs” in Marsden, P and Wright, J. *Handbook of Survey Research*, Second edition. Emerald.

Other Publications

12. Eckman, S. (2013) “Errors in Housing Unit Frames and Their Effects on Survey Estimates” *Wirtschaft und Statistik* April: 310-314.
13. Eckman, S and English, N. (2012) “Geocoding to Create Survey Frames” *Survey Practice* 5(4): 1-8.
14. Lyberg, L, Eckman, S, Roos, M and Kreuter, F. (2012) “Cognitive Aspects of Dependent Verification in Survey Operations” *Proceedings of the Section on Survey Research Methods, American Statistical Association*.
15. Yan, T and Eckman, S. (2012) “Panel Conditioning: Change in True Value versus Change in Self-Report” *Proceedings of the Section on Survey Research Methods, American Statistical Association*.
16. Kohler, U and Eckman, S. (2011) “Expressing Confidence with Gradations” *Stata Journal* 11(4): 627-631.
17. English, N, O’Muircheartaigh, C, Latterner, M, Eckman, S and Dekker, K. (2009) “Modeling the Need for Traditional vs. Commercially-Available Address Listings for In-Person Surveys: Results from a National Validation of Addresses” *Survey Practice*.
18. O’Muircheartaigh, C, English, N and Eckman, S. (2007) “Predicting the Relative Quality of Alternative Sampling Frames” *Proceedings of the Section on Survey Research Methods, American Statistical Association*.
19. O’Muircheartaigh, C, English, N and Eckman, S, Lepkowski, J and Heeringa, S. (2006) “Comparison of Traditional Listing and the USPS Address Database as Frames for National Area Probability Samples” *Proceedings of the Section on Survey Research Methods, American Statistical Association*.
20. O’Muircheartaigh, C, Eckman, S and Weiss, C. (2002) “Traditional and Enhanced Field Listing for Probability Sampling” *Proceedings of the Section on Survey Research Methods, American Statistical Association*.

4 Awards and Grants

Major Awards

1. Förder Prize for excellent dissertation research, awarded by Federal Statistical Office of Germany (DeStatis), October 2012.
2. Centers for Disease Control and Prevention Dissertation Grant (1R36SH000013-01) September 2009, \$37,000.

3. Charles Cannell Fund in Survey Methodology Research Grant, May 2009, \$9,500.
4. Maryland Population Research Center Seed Grant (with adviser, F. Kreuter), October 2008, \$15,000.
5. Census Bureau Dissertation Fellowship, August 2008, \$50,000.

Other Awards

6. Awarded space in two consecutive waves of the LISS online panel for filter question experiments (with F. Kreuter), December 2011. The LISS panel is conducted by the Measurement and Experimentation in the Social Sciences project at Tilburg University.
7. Student Paper Competition winner, first place, DC chapter of the American Association for Public Opinion Research, 2009.
8. Rensis Likert Fund in Research in Survey Methodology, multiple awards, 2008-2009.
9. University Fellowship, University of Massachusetts, Amherst. 1994-1995.
10. Sidney S. Cohen award in Economics, Smith College, 1994.
11. Elected to Phi Beta Kappa, Smith College, 1992.

Travel Grants

12. Charles Cannell Fund in Survey Methodology, to attend American Association for Public Opinion Research conference, Chicago, IL. May 2010.
13. International Total Survey Error Workshop, Tällberg, Sweden, June 2009.
14. Jacob K. Goldhaber Travel Grant from University of Maryland, June 2009.
15. Survey Methods Research Section of American Statistical Association, to attend Joint Statistical Meetings, Denver, CO. August 2008.
16. International Total Survey Error Workshop, Research Triangle Park, NC. June 2008.

5 Presentations

Invited Presentations

- 2013 “Improvements in the DSF and Geocoding” Nielsen Measurement Science 2013 Symposium Measurement on the Move: Leveraging the Power of Location. San Diego, CA. August 12.

- “Uses of GIS in Household Surveys” Department of Statistics, Iowa State University, Ames, IA. June 5.
- 2012 “Uses of GIS in Large-Scale Surveys” Measuring People in Place Conference, Boulder, CO. October 5.
- 2011 “Performance of the Half-Open Interval Missed Housing Unit Procedure, and Other Topics in Survey Coverage”, Joint Program in Survey Methodology Brown Bag Seminar, University of Maryland, College Park, MD. December 21.
- “Mechanisms of Misreporting in Filter Questions”, University of Essex, Colchester, England. November 7.
- “Creating Housing Unit Frames from Address Databases: Geocoding Precision and Net Coverage Rates”, Program in Survey Methodology Brown Bag Seminar, University of Michigan, Ann Arbor, MI. September 9.
- “Failure of the Half-Open Interval Missed Housing Unit Procedure”, University of Duisburg-Essen, Duisburg, Germany. June 7.
- “Household Coverage for In-Person Surveys”, University of Leipzig, Leipzig, Germany. April 12.
- 2010 “The Role of Interviewers in Survey Coverage”, University of Bern, Bern, Switzerland. October 5.
- “Interviewers and Coverage Error”, Ludwig Maximilian University, Munich, Germany. July 21.
- “Errors in Housing Unit Listing and Their Effects on Survey Data”, National Center for Health Statistics, Hyattsville, MD. June 10.
- 2009 “Role of Interviewers in Collecting High Quality Survey Data”, University of Konstanz, Department of History and Sociology, Konstanz, Germany. November 18.
- “Role of Interviewers in Collecting High Quality Survey Data”, Institute for Employment Research, Nuremberg, Germany. October 1.
- “Coverage Rates and Coverage Bias When Interviewers Create Frames”, Statistical Research Division, Census Bureau, Suitland, MD. June 9.
- 2007 “Suitability of the USPS Delivery Sequence File as a Commercial Building Frame”, Washington Statistical Society, Washington, DC. July 18.

Conference Presentations

2013 “Design Principles for the Use of Filter Questions” (with F. Kreuter, A. Jäckle, A. Kirchner, S. Presser, R. Tourangeau), Joint Statistical Meetings, Montreal. August.

“Mechanisms of Reporting to Dependent Questions in Panel Surveys” (with A. Jäckle), Meeting of the European Survey Research Association, Ljubljana, Slovenia. July.

“Uses of GIS in Household Surveys” International Total Survey Error Workshop, Ames, IA. June.

“Mechanisms of Reporting to Dependent Questions in Panel Surveys” (with A. Jäckle), Association of American Public Opinion Research Annual Meeting, Boston, MA. May.

“Paradata for Coverage Research”, Association of American Public Opinion Research Annual Meeting, Boston, MA. May.

“Mechanisms of Verification Bias in Dependent Listing”, Charles Cannell Fund in Survey Methodology Workshop, Boston, MA. May.

2012 “Motivated Underreporting in Surveys”, Rational Choice Theory in Sociology, Venice, Italy. November.

“Hardest to Reach? Survey of Pastoralists in the Afar Region of Ethiopia” (presentation by K. Himelein), Hard to Reach Conference, New Orleans, LA. October.

“Knowing Whom They are Looking For: Effects of Revealing the Target Population on Coverage Rates and Response Rates in Household Surveys” (with R. Tourangeau and F. Kreuter), International Conference on Surveying and Enumerating Hard to Reach Populations, New Orleans, LA. October.

“Panel Conditioning: Changes in True Values vs. Changes in Self-Report” (with T. Yan), PASS Users Conference, Nuremberg, Germany. October.

“Coverage Fehler und Coverage Bias in Internet Panels” (with Markus Brendel and Frauke Kreuter, presentation by M. Brendel), Statistische Woche, Vienna, Austria. September.

“The Coverage-Nonresponse Tradeoff”, International Total Survey Error Workshop, Amsterdam, the Netherlands. September.

“Did the Inclusion of Non-Internet Households in the LISS Panel Reduce Coverage Bias?” (with Markus Brendel and Frauke Kreuter), MESS Workshop, Amsterdam, NL. August.

“Cognitive Aspects of Dependent Verification in Survey Operations” (presentation by Lars Lyberg, with John Magnus Roos and Frauke Kreuter), Joint Statistical Meetings, San Diego, CA. August.

“Panel Conditioning: Changes in True Values vs. Changes in Self-Report” (presentation by Ting Yan, with Frauke Kreuter), Joint Statistical Meetings, San Diego, CA. August.

“Investigating the Potential of Willingness Ratings for Addressing Nonresponse” (presentation by J. Sinibaldi), 8th International Conference on Social Science Methodology, Sydney, Australia. July.

“Mechanisms of Misreporting to Filter Questions” (with F. Kreuter, A. Jäckle, A. Kirchner, S. Presser, R. Tourangeau), Quality in Official Statistics Conference, Athens, Greece. May.

“How Should We Pay Them? Moving Toward Alternative Interviewer Payment Models without Making a Mess” (presentation by B. Parsell), International Field Directors and Technology Conference, Orlando, FL. May.

“Interviewer Assessments of Response Propensity” (with J. Sinibaldi and A. Möntmann-Hertz), Association of American Public Opinion Research Annual Meeting, Orlando, FL. May.

2011 “Interviewer Assessments of Response Propensity”, Workshop: Moving Responsive Design Forward, Nuremberg, Germany. November.

“Motivated Underreporting in Screening Interviews” (with F. Kreuter and R. Tourangeau), World Association for Public Opinion Research Annual Meeting, Amsterdam, the Netherlands. September.

“Failure of the Half-Open Interval Missed Housing Unit Procedure” (with C. O’Muircheartaigh), Meeting of the European Survey Research Association, Lausanne, Switzerland. July.

“Failure of the Half-Open Interval Missed Housing Unit Procedure” (with C. O’Muircheartaigh), Association of American Public Opinion Research Annual Meeting, Phoenix, AZ. May.

2010 “Interviewer and Respondent Incentives in Survey Screener Coverage” (with F. Kreuter and R. Tourangeau), Rational Choice Theory in Sociology, Venice, Italy. December.

“Use of Address Databases as a Basis for Household Frames: Confirmation Bias in Housing Unit Listing” (with F. Kreuter), International Methodology Symposium, Ottawa, Canada. October.

“Mechanisms of Error in Traditional Housing Unit Listing” (with F. Kreuter), Association of American Public Opinion Research Annual Meeting, Chicago, IL. May.

“The Effects of Geocoding Error on Survey Coverage and Quality” (with N. English), International Field Directors and Technology Conference, Chicago, IL. May.

2009 “Role of Interviewers in Collecting High Quality Survey Data”, Rational Choice Theory in Sociology, Venice, Italy. December.

“Coverage Rates and Coverage Bias When Interviewers Create Frames”, International Total Survey Error Workshop, Tällberg, Sweden. June.

“Coverage Rates and Coverage Bias When Interviewers Create Frames”, International Field Directors and Technology Conference, Del Ray Beach, FL. May.

2008 “Optimal Subsampling Strategies in the General Social Survey” (with C. O’Muircheartaigh), Joint Statistical Meetings, Denver, CO. August.

“Using Response Rate Prediction to Tailor Contact Strategies in a Face-to-Face Survey” (with C. O’Muircheartaigh), Association of American Public Opinion Research Annual Meeting, New Orleans, LA. May.

2002 “Mapping and Geocoding Technologies: New Techniques in Listing”, International Field Directors and Technology Conference, Clearwater, FL. May.

6 Teaching Experience

Semester Courses

- “Introduction to Empirical Sociology”, Bachelors-level lecture course
Department of Sociology, University of Mannheim, Mannheim, Germany. September - December, 2013.
- “Causal Analysis”, Masters-level lecture course
Department of Sociology, University of Mannheim, Mannheim, Germany. September - December, 2013.
- “Panel Data Analysis”, Masters-level lecture course
Department of Sociology, University of Mannheim, Mannheim, Germany. February - May, 2013.
- “Readings in Survey Data Quality”, Masters-level seminar course
Department of Sociology, University of Mannheim, Mannheim, Germany. February - May, 2013.

- “Readings in Panel Data Analysis”, Masters-level seminar course
Department of Sociology, University of Mannheim, Mannheim, Germany. February - May, 2013.
- “Using SAS for Data Management and Survey Statistics”, Masters-level
Department of Statistics, Ludwig Maximilian University, Munich, Germany. September, 2012.
- “Sampling Methods and Theory”, Masters-level
Department of Statistics, Ludwig Maximilian University, Munich, Germany. March, 2011.
- “Differential Calculus for Economists”
University of Massachusetts, Amherst
- “Using Microsoft Excel in Intermediate Microeconomics”
University of Massachusetts, Amherst

Short Courses

- “Analysis of Complex Survey Data”
Graduate Program of the Institute for Employment Research
Nuremberg, Germany. November, 2010; February, 2012 and 2013.
- “Analysis of Complex Survey Data”
German Central Bank
Frankfurt, Germany. September, 2011.
- “Determinants of the Quality of Survey Data”
Second International Bamberg Summer School in Empirical Education Research
Bamberg, Germany. September, 2009.
- “Telephone Sampling” with C. O’Muircheartaigh and M. Battaglia
Telephone Survey Methodology Conference
Miami, FL. January, 2006

Theses Supervision

- Niestroj, Kathrin. MA Thesis, Institute for Statistics, Ludwig Maximilian University, August 2013. (Assistant Supervisor) “Mode Effects and Verification Bias in Household Roster Data Collection”
- Herb, Ingrid. MA Thesis, Institute for Statistics, Ludwig Maximilian University, February 2013. (Assistant Supervisor) “The Effects of Monetary Incentives on Interviewer Efficiency and Survey Data Quality”

- Brendel, Markus. MA Thesis, Institute for Statistics, Ludwig Maximilian University, September 2012. (Assistant Supervisor) “Coverage Error and Coverage Bias in Internet Panels”
- Kosyakova, Yuliya. MA Thesis, Otto-Friedrich-University Bamberg, May 2011. (Assistant Supervisor) “Influences of Respondent and Interviewer Incentives on Survey Responses: An Empirical Analysis using PASS”

7 Consulting Experience

- Survey of Pastoralists in Ethiopia, World Bank, 2011-2012
- Analysis of survey of health plan members, Presbyterian Church of the US, 2012

8 Service

Conference Organizations

- Co-Chair of the International Total Survey Error Conference, 2015.
- Member of Program Committee for Quality in Official Statistics, Athens, Greece, June 2012.
- Abstract review for American Association for Public Opinion Research conference: 2009, 2011, 2012.

Referee Activities

Grant reviewer for the Methodology, Measurement, and Statistics Program of the National Science Foundation

Journals: *European Sociological Review*; *Field Methods*; *International Journal of Public Opinion Research*; *Journal of Official Statistics*; *Journal of the Royal Statistical Society, Series A*; *Public Opinion Quarterly*; *Population Research and Policy Review*; *Social Science Research*; *Sociological Methods and Research*; *Stata Journal*; *Survey Methodology*; *Zeitschrift für ArbeitsmarktForschung - Journal for Labour Market Research*

Professional Associations

American Statistical Association, American Association for Public Opinion Research