

Stephanie Eckman

Curriculum Vitae

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1 Personal Information

Email steph@umd.edu
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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

Languages English; German

2 Professional Experience

8/2015–Present **Fellow**
Survey Research Division, RTI International, Washington, DC

7/2010–8/2015 **Senior Researcher** (with tenure)
Institute for Employment Research (IAB), Nuremberg, Germany

2/2013–1/2014 **Chair of Statistics & Social Science Methods (Interim)**
Department of Sociology, University of Mannheim

4/2001–1/2010 **Senior Survey Methodologist**
National Opinion Research Center, Chicago, IL and Bethesda, MD

1999–2001 **Senior Data Analyst**
Massachusetts Institute for Social and Economic Research, Amherst, MA

3 Publications

* indicates co-author is a former student

Book

1. Biemer, P, de Leeuw, E, Eckman, S, Edwards, B, Kreuter, F, Lyberg, L, Tucker, C and West, B. (editors). 2017. *Total Survey Error in Practice*. Wiley.

Special Issues

2. *Journal of Official Statistics*, Co-Editor of Special Issue on Total Survey Error. (2017). Volume 33, issue 2. <http://goo.gl/1L8zzH>
3. *Survey Research Methods*, Editor of Special Issue on GIS in Surveys. (2017). <http://ojs.uni-konstanz.de/srm/issue/view/132>

Peer-Reviewed Articles

4. Eckman, S and Koch, A. “Interviewer Involvement in Sample Selection Shapes the Relationship between Response Rates and Data Quality” *Public Opinion Quarterly*. <https://doi.org/10.1093/poq/nfz012>
5. Jäckle, A and Eckman, S. (2019) “Is that Still the Same? Has that Changed? On the Accuracy of Measuring Change with Dependent Interviewing” *Journal of Survey Statistics and Methodology*. <https://doi.org/10.1093/jssam/smz021>
6. Bach, R,* Eckman, S and Daikeler, J.* (2019) “Misreporting Among Reluctant Respondents” *Journal of Survey Statistics and Methodology*. <https://doi.org/10.1093/jssam/smz013>
7. Gordon, J, Eckman, S, Einaudi, PB, Sanders, H and Yamaner, M. (2018) “Using Administrative Records to Increase Quality and Reduce Burden in the Survey of Graduate Students and Postdoctorates in Science and Engineering” *Statistical Journal of the IAOS*. <http://doi.org/10.3233/SJI-180450>
8. Bach, R* and Eckman, S. (2018) “Participating in a Panel Survey Changes Respondents’ Labor Market Behavior” *Journal of the Royal Statistical Society, Series A*. <http://doi.org/10.1111/rssa.12367>
9. Eckman, S and Kreuter, F. (2018) “Misreporting to Looping Questions in Surveys: Recall, Motivation and Burden” *Survey Research Methods*. <http://doi.org/10.18148/srm/2018.v12i1.7168>
10. Bach, R* and Eckman, S. (2018) “Motivated Misreporting in Web Panels” *Journal of Survey Statistics and Methodology*. <http://doi.org/10.1093/jssam/smx030>
11. Oberski, D, Kirchner, A, Eckman, S and Kreuter, F. (2017) “Evaluating the Quality of Survey and Administrative Data through Multitrait-Multimethod Models” *Journal of the American Statistical Association*. <http://doi.org/10.1080/01621459.2017.1302338>

12. Eckman, S. and Haas, G-C.* (2017) “Does Granting Linkage Consent in the Beginning of the Questionnaire Affect Data Quality?” *Journal of Survey Statistics and Methodology*. <http://doi.org/10.1093/jssam/smx016>
13. Sakshaug, J and Eckman, S. (2017) “Following-Up with Survey Nonrespondents: Nonresponse Bias, Measurement Error Bias, and Total Bias” *Journal of Survey Statistics and Methodology*. <https://doi.org/10.1093/jssam/smw039>
14. Himelein, K, Eckman, S, Murray, S and Bauer, J. (2017) “Alternatives to Full Listing for Second Stage Sampling: Methods and Implications” *Statistical Journal of the IAOS*. <https://doi.org/10.3233/SJI-160341>
15. Sakshaug, J and Eckman, S. (2017) “Are Survey Nonrespondents Willing to Provide Consent to Use Administrative Records? Evidence from a Nonresponse Follow-Up Survey in Germany” *Public Opinion Quarterly*. <http://doi.org/10.1093/poq/nfw053>
16. Eckman, S. (2017) “Interviewers’ Expectations of Response Propensity Can Introduce Non-response Bias in Survey Data” *Statistical Journal of the IAOS*. Invited article in Festschrift for Dr. Arthur Kennickell. <http://10.3233/SJI-171050>
17. Eckman, S. (2016) “Does the Inclusion of Non-Internet Households in a Web Panel Reduce Coverage Bias?” *Social Science Computing Review*. Special issue on survey error in probability-based online and mixed-mode access panels of the general population. <http://doi.org/10.1177/0894439315572985>
18. Sinibaldi, J and Eckman S. (2015) “Using Call-Level Interviewer Observations to Improve Response Propensity Models” *Public Opinion Quarterly*. <http://doi.org/10.1093/poq/nfv035>
19. Kosyakova, Y*, Skopek, J, and Eckman, S. (2015) “Do Interviewers Manipulate Filtering in Surveys? Evidence from a Cross-Classified Multilevel Approach” *International Journal of Public Opinion Research*. <http://doi.org/10.1093/ijpor/edu027>
20. Eckman, S, Kreuter, F, Kirchner, A, Jäckle, A, Tourangeau, R and Presser, S. (2014) “Assessing the Mechanisms of Misreporting to Filter Questions in Surveys” *Public Opinion Quarterly*. <http://doi.org/10.1093/poq/nfu030>
21. Himelein, K, Eckman, S and Murray, S. (2014) “Sampling Nomads: A New Technique for Remote, Hard-to-Reach, and Mobile Populations” *Journal of Official Statistics*. <http://doi.org/10.2478/jos-2014-0013>
22. McDonald, R, Weber, K, Padowski, J, Flörke, M, Schneider, C, Green, PA, Gleeson, T, Eckman, S, Lehner, B, Balk, D, Boucher, T, Grill, G and Montgomery, M. (2014) “Water on an Urban Planet: Urbanization and the Reach of Urban Water Infrastructure” *Global Environmental Change*. <http://doi.org/10.1016/j.gloenvcha.2014.04.022>
23. Eckman, S and Kreuter, F. (2013) “Undercoverage Rates and Undercoverage Bias in Traditional Housing Unit Listing” *Sociological Methods and Research*. <http://doi.org/10.1177/0049124113500477>

24. Eckman, S, Sinibaldi, J and Möntmann-Hertz, A. (2013) “Can Interviewers Effectively Rate the Likelihood of Cases to Cooperate?” *Public Opinion Quarterly*. <http://doi.org/10.1093/poq/nft012>
25. Eckman, S. (2013) “Do Different Listers Make the Same Housing Unit Frame? Variability in Housing Unit Listing” *Journal of Official Statistics*. <http://doi.org/10.2478/jos-2013-0021>
26. Eckman, S and English, N. (2012) “Creating Housing Unit Frames from Address Databases: Geocoding Precision and Net Coverage Rates” *Field Methods*. <http://doi.org/10.1177/1525822X12445141>
27. Tourangeau, R, Kreuter, F and Eckman, S. (2012) “Motivated Underreporting in Screening Interviews” *Public Opinion Quarterly*. <http://doi.org/10.1093/poq/nfs033>
28. Eckman, S and O’Muirheartaigh, C. (2011) “Performance of the Half-Open Interval Missed Housing Unit Procedure” *Survey Research Methods*. <http://doi.org/10.18148/srm/2011.v5i3.4737>
29. Eckman, S and Kreuter, F. (2011) “Confirmation Bias in Housing Unit Listing” *Public Opinion Quarterly*. <http://doi.org/10.1093/poq/nfq066>
30. 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*. <http://doi.org/10.18148/srm/2010.v4i3.4283>
31. O’Muirheartaigh, C, Eckman, S and Smith, S. (2009) “Statistical Design and Estimation for the National Social Life, Health, and Aging Project” *Journal of Gerontology*. <http://doi.org/10.1093/geronb/gbp045>

Book Chapters

32. Jäckle, A, Al Baghal, T, Eckman, S and Sala, E. “How to Pop the Question? Interviewer and Respondent Behaviours when Measuring Change with Dependent Interviewing” forthcoming in Lynn, P et al *Advances in Longitudinal Survey Methodology*. Wiley.
33. Himelein, K and Eckman, S. “Geo-spatial Sampling” forthcoming in Hoogeveen, J and Pape, U. *Data Collection in Fragile States*. Palgrave.
34. Kreuter, F, Eckman, S and Tourangeau, R. “Salience of Survey Burden and Its Effects on Response Behavior to Skip Questions. Experimental Results from Telephone and Web-Surveys” forthcoming in Beatty, P, Collins, D, Kaye, L, Padilla, J, Willis, G and Wilmot, A. *Advances in Questionnaire Design, Development, Evaluation and Testing*. Wiley.
35. Eckman, S, Himelein, K and Dever, J. (2018) “Innovative Sample Designs using GIS Technology” in Johnson, TP, Pennell, B, Stoop, I and Dorer, B. *Advances in Comparative Survey Methods: Multicultural, Multinational and Multiregional Context*. Wiley: 67–92.
36. Eckman, S and Kreuter, F. (2017) “The Undercoverage-Nonresponse Trade-Off” in Biemer, P, de Leeuw, E, Eckman, S, Edwards, B, Kreuter, F, Lyberg, L, Tucker, C and West, B. *Total Survey Error in Practice*. Wiley: 97–113.

37. Eckman, S and West, B. (2016) “Analysis of Data from Stratified and Clustered Surveys” in Wolf, C, Joye, D, Smith, T, and Fu, Y. *Handbook of Survey Methodology*. Sage: 477–487.
38. Tourangeau, R, Kreuter, F and Eckman, S. (2015) “Motivated Misreporting: Shaping Answers to Reduce Survey Burden” in Engel, U. *Survey Measurement: Techniques and Findings from Recent Research*. Campus: 24–41.
39. Kohler, U and Eckman, S. (2014) “Expressing Confidence with Gradations” in Cox, NJ and Newton, HW. *One Hundred Nineteen Stata Tips*. Stata Press: 265–269. Collection of articles previously published in *Stata Journal*.
40. Eckman, S. (2013) “Paradata in Coverage Research” in Kreuter, F. *Improving Surveys through Paradata: Analytic Uses of Process Information*. Wiley: 89–108.
41. Harter, R, Eckman, S, English, N and O’Muirheartaigh, 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: 169–198.

Selected Other Publications

42. Eckman, S, Eyerman, J and Temple, D. (2018) “Unmanned Aircraft Systems can Improve Survey Data Collection” Research Triangle Park, NC: RTI Press. <http://goo.gl/eRHKpy>
43. Konitzer, T, Eckman, S and Rothschild, D. (2017) “Mobile as Survey Mode” *Proceedings of the Section on Survey Research Methods, American Statistical Association*. <http://ww2.amstat.org/sections/srms/Proceedings/y2016/files/389844.pdf>
44. Jäckle, A and Eckman, S. “Is that Still the Same? Has that Changed? On the Accuracy of Measuring Change with Dependent Interviewing” Understanding Society Working Paper Series, August 2016. <http://goo.gl/SJMo4m>
45. Eckman, S, Dashen, M, Mballo, A D, and Johnston, R. (2016) “Quality Control of Sample Selection with GPS Coordinates” *Amstat News*, July 1. <http://magazine.amstat.org/blog/2016/07/01/swb16/>
46. Eckman, S. (2013) “Errors in Housing Unit Frames and Their Effects on Survey Estimates” *Wirtschaft und Statistik* April: 310–314.
47. Eckman, S and English, N. (2012) “Geocoding to Create Survey Frames” *Survey Practice* 5(4): 1-8. <http://www.surveypractice.org/article/3079-geocoding-to-create-survey-frames>
48. 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*. http://ww2.amstat.org/sections/srms/Proceedings/y2012/Files/305132_74328.pdf
49. 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*. http://ww2.amstat.org/sections/srms/Proceedings/y2012/Files/306203_76099.pdf

50. O’Muircheartaigh, C, Eckman, S and Weiss, C. (2003) “Traditional and Enhanced Field Listing for Probability Sampling” *Proceedings of the Section on Survey Research Methods, American Statistical Association*.

4 Selected Awards and Grants

1. Research Fellowship at Bureau of Labor Statistics, awarded by American Statistical Association and the National Science Foundation. “Investigating and Reducing Motivated Misreporting in the Consumer Expenditure Interview Survey” 9/2018 - 8/2019.
2. National Science Foundation EAGER grant #1645307. “Exploring Motivated Misreporting of Crowd Workers for Developing Data Quality Assurance Best Practices for Using Crowdsourcing Platforms in Engineering Research” 9/2016 - 8/2018. Co-PI.
3. Dissertation Award granted by Federal Statistical Office of Germany, 10/2012.
4. Centers for Disease Control and Prevention Dissertation Grant (1R36SH000013-01) September 2009, \$37,000.
5. Charles Cannell Fund in Survey Methodology Research Grant, 5/2009, \$9,500.
6. Student Paper Competition winner, DC chapter of the American Association for Public Opinion Research, 2009.
7. Maryland Population Research Center Seed Grant (with adviser, F. Kreuter), 10/2008, \$15,000.
8. Census Bureau Dissertation Fellowship, 8/2008, \$50,000.
9. Rensis Likert Fund in Research in Survey Methodology, multiple awards, 2008-2009.
10. University Fellowship, University of Massachusetts – Amherst, 1994-1995.
11. Sidney S. Cohen award in Economics, Smith College, 1994.
12. Elected to Phi Beta Kappa, Smith College, 1992.

5 Selected Invited Presentations

- 2019 “Motivated Misreporting over Waves in the Consumer Expenditure Survey” Bureau of Labor Statistics, July.
- 2018 “Three Studies on Supplementing Survey Data with Passive Data” GESIS Research Institute, Mannheim, Germany. August.
<https://gesisbox.gesis.org/index.php/s/UsgebB1E1HxNq0I>
- “What Might Motivated Misreporting Mean for the Consumer Expenditure Survey?” Bureau of Labor Statistics, January.
- 2017 “Response Rates Matter for Data Quality, but Not How You Might Think” World Bank Development Data Group Learning Series, Washington, DC. March.

- 2016 “Are High Response Rates Good for Data Quality? Evidence from the European Social Survey” Department of Sociology, Catholic University, Santiago, Chile. January.
- 2015 “Does the Inclusion of Non-Internet Households in a Web Panel Reduce Coverage Bias?” Research Directorate, Census Bureau. January 6.
- 2014 “Motivated Misreporting” Center for Survey Research, University of Massachusetts at Boston. November 18.
- “Uses of GIS in Household Surveys” Westat. July 30.
- “Survey Misreporting: Related Instances of Measurement Error” University of Stockholm. March 19.
- 2013 “Collecting Reports of Change in Panel Surveys” Presentation to European Central Bank, Statistics Development/Coordination Division. Frankfurt, Germany. November 6.
- “The Use of Random Geographic Cluster Sampling to Survey Pastoralists” World Bank Brown Bag. September 5.
- “Motivated Misreporting in Surveys: Do Respondents and Interviewers take Shortcuts that Compromise Data Quality?” GESIS Summer School in Survey Methodology. Cologne, Germany. August 28.
- “Uses of Geographic Information Systems in Household Surveys” Department of Statistics, Iowa State University. June 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. December 21.
- “Mechanisms of Misreporting in Filter Questions” University of Essex. 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. September 9.
- 2010 “The Role of Interviewers in Survey Coverage” University of Bern. October 5.
- “Errors in Housing Unit Listing and Their Effects on Survey Data” National Center for Health Statistics. June 10.
- 2009 “Role of Interviewers in Collecting High Quality Survey Data” University of Konstanz, Department of History and Sociology. November 18.
- “Coverage Rates and Coverage Bias When Interviewers Create Frames” Statistical Research Division, Census Bureau. June 9.

6 Mentoring & Teaching Experience

PhD Thesis Supervision

- Bach, Ruben. PhD Thesis, Department of Sociology, University of Mannheim, 2018. (Assistant Supervisor) “Panel Conditioning in Surveys” **Winner of Lorenz-von-Stein Prize awarded to an outstanding dissertation in Political Science, Social Psychology or Sociology by the Mannheimer Zentrum für Europäische Sozialforschung.**

Masters Theses Supervision

- Hochstädter, Ute. MA Thesis, Department of Sociology, University of Mannheim, February 2015. (Assistant Supervisor) “Interview Length and Data Quality in the European Social Survey”
- Block, Nora. MA Thesis, Department of Sociology, University of Mannheim, February 2014. “The Relationship Between the Place of Residence and Individual Health”
- Kuhnle, Jeremy. MA Thesis, Department of Sociology, University of Mannheim, February 2014. “ ‘I Do’ But Who? Determinants of Interethnic Marriage in Germany”
- Assistant Supervisor for nine additional students, including:
 - Haas, Georg-Christoph. MA Thesis, Department of Sociology, Technical University of Dresden, September 2015. “Estimating the Measurement Error in Survey Data, which Occurs by Asking the Administrative Data Linkage Question” **Winner of Generis Award for best thesis in Sociology at the Technical University in Dresden.**
 - Wengrzik, Jessica. MA Thesis, Department of Sociology, University of Mannheim, August 2015. “Response Propensity and Motivated Underreporting” **Winner of student paper award of the Social Statistics Section, the Government Statistics Section, and the Survey Research Methods Section of the American Statistical Association; Winner of thesis award from the German Online Research Workshop.**

Semester Courses

- “Total Survey Error II” Capstone course in Masters program. Joint Program in Survey Methodology, University of Maryland, College Park. Spring 2014.
- “Causal Analysis” Masters-level. Department of Sociology, University of Mannheim. Fall 2013.
- “Introduction to Empirical Sociology” Bachelors-level. Department of Sociology, University of Mannheim. Fall 2013.
- “Panel Data Analysis” Masters-level. Department of Sociology, University of Mannheim. Spring 2013.
- “Readings in Survey Data Quality” Masters-level. Department of Sociology, University of Mannheim. Spring 2013.

- “Readings in Panel Data Analysis” Masters-level. Department of Sociology, University of Mannheim. Spring 2013.
- “Using SAS for Data Management and Survey Statistics” Masters-level. Department of Statistics, Ludwig Maximilian University. September, 2012.
- “Sampling Methods and Theory” Masters-level. Department of Statistics, Ludwig Maximilian University. March, 2011.

Short Courses

- “Surveys Using Stata” Harvard Medical School, Global Clinical Scholars Research Training Program. Online Webinar. January 2018, 2019; February 2017, 2016.
- “Sampling for Non-Statisticians” Bureau of Labor Statistics. November 2018.
- “Collection and Use of Location Data in Surveys” MAPOR Conference. November 2018.
- “Sampling, Weighting and Estimation for Complex Surveys” GESIS Summer School in Survey Methodology. August 2019, 2018, 2017, 2016, 2014, 2013. Norwegian Technical and Natural Sciences University. October 2015.
- “Workshop on Analysis of Complex Survey Data” German Centre for Research on Higher Education and Science Studies. October 2014.
- “Theoretical and Applied Aspects of Survey Sampling” International Research Workshop, University of Southern Denmark. October 2014.
- “Design Principles for the Use of Filter Questions” American Association for Public Opinion Research Webinar. June 2014.
- “Analysis of Complex Survey Data” Graduate Program of the Institute for Employment Research. November 2010; February 2012, 2013; March 2014 German Central Bank. September 2011.
- “Determinants of the Quality of Survey Data” Second International Bamberg Summer School in Empirical Education Research September 2009.

7 Consulting Experience

- Design of weighting methodology for Enterprise Surveys, International Finance Corporation, 2014
- Consultation and training on sampling and analysis for the Pakistan Social and Living Standards Measurement Survey and the Labor Force Survey, Pakistan Bureau of Statistics & the World Bank, 2014
- Survey of Pastoralists in Ethiopia, consultant to the World Bank, 2011-2012
- Analysis of survey of health plan members, Presbyterian Church of the US, 2012

8 International Experience

Fieldwork

Ethiopia; Indonesia

Sample Design

Pakistan; Brazil; Indonesia; India; Chile

Teaching

Pakistan; Norway; Germany; Denmark

9 Service

Conference Organization

- Co-Chair of the International Conference on Total Survey Error: Improving Quality in an Era of Big Data (TSE15), Baltimore, MD, September 2015
- Co-Organizer of the German Stata Users' Conference, Nuremberg, Germany, June 2015
- Member of Program Committee for Quality in Official Statistics, Athens, Greece, June 2012

Advisory Boards

- Member of the Scientific Advisory Board for the EUROGRADUTE survey of graduates one year and five years after leaving higher education
- Member of the Advisory Panel for the Schibsted/Inizio web panel founded in Sweden in 2014

Referee Activities

- *Journal of Official Statistics* (2013–present)
- *Survey Research Methods* (2013–present)
- Ad-hoc reviewer for the Methodology, Measurement, and Statistics Program of NSF
- Article reviewer: *BMC Medical Research Methodology*; *BMJ Open*; *European Sociological Review*; *Field Methods*; *International Journal of Public Opinion Research*; *Journal of Gerontology, Social Sciences*; *Journal of Official Statistics*; *Journal of the Royal Statistical Society, Series A*; *Journal of Survey Statistics and Methodology*; *Public Opinion Quarterly*; *Population Research and Policy Review*; *PLOS One*; *Social Science Research*; *Social Science Computer Review*; *Sociological Methods and Research*; *Stata Journal*; *Survey Methods: Insights from the Field*; *Survey Methodology*; *Survey Research Methods*; *Zeitschrift für ArbeitsmarktForschung (Journal for Labour Market Research)*

Memberships in Professional Associations

- American Association for Public Opinion Research
 - Member of Executive Council, 2017–2019
 - Standards Chair, 2018–2019
 - Associate Standards Chair, 2017–2018
 - Member of subcommittee to update response rate calculator, 2016
 - DC-AAPOR Program Chair, 2016
- American Statistical Association
 - Secretary/Treasurer of Social Statistics Section, 2018–2019
 - Survey Research Methods Section; Government Statistics Section; Washington Statistical Society
- European Survey Research Association: Membership Chair, 2015–2019
- International Association of Survey Statisticians
- World Association for Public Opinion Research