

# **JEROME P. REITER**

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September 2023

## **EDUCATION**

Ph.D. in Statistics, Harvard University, 1999.

A.M. in Statistics, Harvard University, 1996.

B.S. in Mathematics, Duke University, 1992.

## **DISSERTATION**

“Estimation in the Presence of Constraints that Prohibit Explicit Data Pooling.”  
Advisor: Donald B. Rubin.

## **POSITIONS**

### Academic Appointments

Interim Dean of the Natural Sciences, Duke University, 2022 - 2023.

Chair, Department of Statistical Science, Duke University, 2019 - 2022, 2023 - present.

Professor of Statistical Science and Bass Fellow, Duke University, 2015 - present.

Mrs. Alexander Hehmeyer Professor of Statistical Science, Duke University, 2013 - 2015.

Mrs. Alexander Hehmeyer Associate Professor of Statistical Science, Duke University,  
2010 - 2013.

Associate Professor of Statistical Science, Duke University, 2009 - 2010.

Assistant Professor of Statistical Science, Duke University, 2006 - 2008.

Assistant Professor of the Practice of Statistics and Decision Sciences, Duke University,  
2002 - 2006.

Lecturer in Statistics, University of California at Santa Barbara, 2001 - 2002.

Assistant Professor of Statistics, Williams College, 1999 - 2001.

### Other Appointments

Mathematical Statistician (part-time), U. S. Bureau of the Census, 2015 - present.

Associate/Deputy Director of Information Initiative at Duke, Duke University, 2013 -  
2019.

Social Sciences Research Institute Data Services Core Director, Duke University, 2010 -  
2013.

Interim Director, Triangle Research Data Center, 2006.

Senior Fellow, National Institute of Statistical Sciences, 2002 - 2005.

## **ACADEMIC HONORS**

Links Lecture Award, 2023.

Plenary talk, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, 2022.

Keynote talk, 11th Official Statistics and Methodology Symposium (Statistics Korea), 2021.

Fellow of the Institute of Mathematical Statistics, 2020.

Clifford C. Clogg Memorial Lecture, Pennsylvania State University, 2020 (delivered in 2022).

MIDS (Master's in Interdisciplinary Data Science) Distinguished Faculty Award, Duke University, 2020.

Outstanding Postdoc Mentor Award, Duke University, 2016.

Plenary talk, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, 2016.

Gertrude M. Cox Award, 2014.

W. J. Youden Award in Interlaboratory Testing, 2013.

Plenary talk, UNC-Greensboro Regional Mathematics and Statistics Conference, 2013.

Plenary talk, Political Methodology XII Conference, 2012.

Fellow of the American Statistical Association, 2011.

Bass Chair for Excellence in Undergraduate Teaching and Research, Duke University, 2010 - 2015.

Cathie Marsh Fellowship, Centre for Census and Survey Research, University of Manchester, 2010.

Elected member of International Statistical Institute, 2007.

Alumni Distinguished Undergraduate Teaching Award, Duke University, 2007.

## **GRANTS AND FUNDED RESEARCH**

Georgia Tech Research Institute, "Synthetic Data for the National Center for Health Statistics," 1/23 - 9/23, \$62,463. Role: Principal Investigator.

National Science Foundation (MMS), "Enhancing Synthetic Data Techniques for Practical Applications," 8/2022 - 7/2025, \$400,000. Role: Principal Investigator.

Duke Population Research Center, "Linking the ChIRDU Participants to InfoUSA Data," 7/2021 - 12/2022, \$26,000. Role: Principal Investigator.

National Institutes of Health, "Duke Population Research Center," 6/2020 - 5/2025, \$2,746,506. Role: Co-investigator.

National Science Foundation (MMS), “Leveraging Auxiliary Information on Marginal Distributions in Multiple Imputation for Survey Nonresponse,” 9/2017 - 8/2020, \$300,000. Role: Principal Investigator.

National Science Foundation (NCRN), “The Triangle Census Research Network: Supplemental Award 3,” 10/2016 - 9/2018, \$568,015. Role: Principal Investigator.

Alfred P. Sloan Foundation, “Computational Methods and Tools for Creating High Quality Household Microdata”, 1/2016 - 7/2017, \$108,903. Role: Principal Investigator.

National Science Foundation (DIBBs), “An Integrated System for Public/Private Access to Large-Scale, Confidential Social Science Data,” 1/2015 - 12/2018, \$1,498,683. Role: Principal Investigator.

Duke University Energy Initiative Seed Grant, “Data Development for Measuring the Impact of Energy Efficiency Assessments Linking the DOE Industrial Assessment Center Database to the U. S. Census of Manufactures,” 9/2013 - 9/2015, \$30,000. Role: Co-investigator.

National Science Foundation (NCRN), “The Triangle Census Research Network: Supplemental Award 2,” 10/2013 - 9/2018, \$199,737. Role: Principal Investigator.

National Science Foundation (NCRN), “The Triangle Census Research Network: Supplemental Award 1,” 10/2012 - 9/2018, \$322,027. Role: Principal Investigator.

U.S. Bureau of the Census, “Creating a Synthetic Public Use File for the Longitudinal Business Database,” 9/2012 - 9/2014, \$117,919 plus \$30,000 discount on Duke’s costs for Triangle Census Research Data Center. Role: PI on Intergovernmental Personnel Agreement.

National Science Foundation (NCRN-RCN), “Coordination of the NSF-Census Research Network,” 7/2012 - 6/2017, \$748,577 total, \$0 to Duke. Role: Co-Investigator (PI: Alan Karr).

National Science Foundation (NCRN), “The Triangle Census Research Network,” 10/2011 - 9/2018, \$2,997,591 total, \$2,144,766 to Duke. Role: Principal Investigator.

National Science Foundation (MMS), “Multiple Imputation Methods for Handling Missing Data in Panel Studies with Refreshment Samples,” 6/2011 - 5/2014, \$160,000. Role: Principal Investigator.

U.S. Bureau of the Census, “Creating a Synthetic Public Use File for the Longitudinal Business Database,” 9/2010 - 9/2012, \$95,828 plus \$30,000 discount on Duke’s costs for Triangle Census Research Data Center. Role: PI on Intergovernmental Personnel Agreement.

National Science Foundation (TC): “Large: Collaborative Research: Practical Privacy: Metrics and Methods for Protecting Record-level and Relational Data,” 7/2010 - 7/2015, \$583,169. Role: Principal Investigator.

National Science Foundation (SES): “Joint NSF-Census-IRS Workshop on synthetic data and confidentiality protection,” 7/2009 - 6/2010, \$18,480. Role: Co-Investigator.

National Institutes of Health (NIA): “R21: Sharing Confidential Datasets With Geographic Identifiers Via Multiple Imputation,” 3/2009 - 1/2011, \$351,780. Role: Principal Investigator.

National Science Foundation (MMS), “Methodology for Improving Public Use Data Dissemination Via Multiply-Imputed, Partially Synthetic Data,” 6/2008 - 5/2011, \$180,000. Role: Principal Investigator.

Environmental Protection Agency, “Southern Center for Environmentally Driven Disparities in Birth Outcomes,” 5/2007 - 5/2011, \$7,735,620. Role: Co-Investigator (PI: Marie Lynn Miranda).

National Institutes of Health (NIDA), “The Alcohol Pharmacology Education Partnership,” 8/2005 - 7/2010, \$1,250,000. Role: Co-investigator (PI: Rochelle Schwartz-Bloom).

National Science Foundation (ITR), “Information Technology Challenges for Secure Access to Confidential Social Science Data,” 10/2004 - 10/2008, \$2,938,000 total, \$247,903 to Duke. Role: Senior Scientist (PI: John Abowd).

U.S. Bureau of the Census, “Using Synthetic Data to Protect Confidentiality of People in Group Quarters in the American Community Survey,” 9/2005 - 9/2007, \$24,000. Role: Principal Investigator.

U.S. Bureau of the Census, “Synthetic Data Methods for the Survey of Income and Program Participation Public Use File,” 6/2005 - 6/2006, \$25,000. Role: Principal Investigator.

U.S. Bureau of the Census, “Assessing Disclosure Risks for Remote Access Model Servers,” 6/2004 - 7/2005, \$25,000. Role: Principal Investigator.

Transportation Research Board, 2005. Commissioned to write paper on threats to data confidentiality in public-use transportation data (with David Banks), \$10,000.

National Institute of Statistical Sciences, “Data Confidentiality, Data Quality, and Data Integration for Federal Databases: Foundations to Software Prototypes,” 8/2002 - 8/2004, \$25,000. Role: Senior Fellow.

National Academy of Sciences Panel on Confidential Data Access for Research Purposes, 2003. Commissioned to write paper on measuring disclosure risks, \$5,000.

U.S. Bureau of the Census, “Research on Synthetic Data,” 8/2002 - 8/2003, \$16,000. Role: Principal Investigator.

## **PROFESSIONAL SERVICE**

### Editorial Appointments

Editor, *Administrative Records for Survey Methodology*, book published by John Wiley & Sons, Inc., 2021.

Editor, *Statistics and Public Policy*, 2019 - 2021.

Guest Editor, *PNAS*, 2020.

Guest Editor, *Statistical Science*, 2018.

Editorial Board, *Transactions on Data Privacy*, 2013 - 2019.

Associate Editor, *Journal of Privacy and Confidentiality*, 2006 - 2017.

Associate Editor, *Survey Methodology*, 2004 - 2013.

Associate Editor, *Journal of Statistical Theory and Practice*, 2009 - 2013.

Associate Editor, *Journal of the American Statistical Association*, 2006 - 2013.

Advisory Board, *The Encyclopedia of Measurement and Statistics*, 2005.

#### Membership on National Academy of Science Committees, Panels, and Expert Meetings

Panel on Approaches for Data Governance and Protecting Privacy (panel chair), 2022 - present.

Oversight Committee for Toward a Vision for a New Data Infrastructure for Federal Statistics and Social and Economic Research in the 21st Century, 2022 - present.

Expert Meeting on Guidance on a Designed Data System and Methods for NIA Studies, 2022.

Expert Meetings on Census 2020 Disclosure Avoidance System, 2020 - 2021.

Committee on National Statistics, 2017 - present.

Committee on 7th Edition of Principles and Practices for a Federal Statistical Agency, 2020 - 2021.

Standing Committee on Creating the American Opportunity Study — Phase 1, 2015 - 2017.

BEA Expert Meeting on Exploiting Commercial Data for Official Economic Statistics, 2015.

Panel on Addressing Priority Technical Issues for the Next Decade of the American Community Survey, 2012 - 2015.

Committee on Long-Term Stewardship of Safety Data from the Second Strategic Highway Research Program, 2012 - 2013.

Expert Meeting on Redaction Strategy for the Airline Pilots Safety Data, 2008.

Panel on Collecting, Storing, Accessing, and Protecting Social Survey Data Containing Biological Measures, 2008 - 2010.

Panel on Re-engineering the Survey of Income and Program Participation, 2006 - 2009.

Panel on Confidentiality Issues Arising from the Integration of Remotely Sensed Data with Social Science Survey and Other Self-Identifying Data, 2005 - 2007.

#### Positions in American Statistical Association

Youden Award Selection Committee, 2015 - 2020.

Statistical Ambassadors Program Working Group, 2015 - 2016.

NC-ASA Chapter President, 2014, and Vice President, 2013.

COSGB Fiscal Oversight Committee, 2012 - 2015.

Secretary/Treasurer, Section on Bayesian Statistical Sciences, 2012 - 2015.

Scientific and Public Affairs Advisory Committee, 2012 - 2017. Chair 2015 - 2017.

Committee on Privacy and Confidentiality in Statistics, 2006 - 2012. Chair 2009 - 2012.

Chair, Section on Statistics in Sports, 2008.

Program Chair for Statistics in Sports, 2005 Joint Statistical Meetings.

Program Chair for General Methodology, 2001 Joint Statistical Meetings.

#### Advisory Boards and Expert Panels

Panel Member, Forum on Coordinated Sample Design for National Center for Education Statistics Surveys, 2022.

Panel Member, Approaches to Implementation of Integrated Recruiting for National Center for Education Statistics Surveys, 2021.

Panel Member, Technical Working Session on Sampling Innovations for National Center for Education Statistics Surveys, 2021.

Coleridge Initiative Science and Technology Advisory Board, 2021 - present.

Urban Institute Validation Server Project Advisory Board, 2020 - present.

National Institute of Statistical Science Board of Trustees, 2017 - present.

Computing Community Consortium Privacy Task Force, 2016.

University of Michigan Safe Designs Project Advisory Board, 2012 - 2017.

Wisconsin Longitudinal Study Genetic Advisory Board, 2010 - 2013.

Technical Expert Panel for CMS Comparative Effectiveness Research Public Use Data Pilot Project, 2010 - 2011.

Panel Member, Office of Civil Rights Workshop on Reconsidering the HIPAA De-identification Standard, 2010.

Technical Expert Panel for the Patient Safety Organization Project, Agency for Healthcare Research and Quality, 2008.

National Center for Education Statistics Configuration of Longitudinal Studies and Data Integration Task Force, 2007 - 2008.

National Center for Education Statistics Confidentiality Task Force, 2006 - 2007.

#### Conference and Workshop Program Committees

Challenges and New Approaches for Protecting Privacy in Federal Statistical Programs: A Workshop. Sponsored by the Committee on National Statistics, 2019.

International Conference on Advances in Interdisciplinary Statistics and Combinatorics, 2014, 2016, 2018, 2020.

Privacy and Statistical Databases Conference, 2016, 2018, 2020, 2022.

Local Scientific Coordinator, SAMSI Program on Computational Methods in Social Science, 2013 - 2014.

NSF-NBER Time Series Conference, 2010.

Total Survey Error Workshops, 2005 and 2008.

International Conference on Data Mining Workshop on Privacy and Security Aspects of Data Mining, 2005.

#### Grant Proposal Review Activities

Panelist, National Science Foundation (nine panels).

Addressing Suicide Research Gaps Review Panelist, National Institute of Mental Health (one panel).

BMRD Study Section Member (ad hoc), National Institutes of Health (one panel).

Special Emphasis Review Panelist, National Institute of Mental Health (one panel).

Panelist, Institute of Education Sciences (one panel).

Reviewer for Agency for Healthcare Research and Quality DEcIDE program, Alfred P. Sloan Foundation, Canadian Statistical Sciences Institute, Census Bureau Center for Economic Studies, Mathematics of Information Technology and Complex Systems Network of Centres of Excellence (Canada), National Science Foundation, Scientific Foundation Ireland, Statistics New Zealand.

External Reviewer, Department of Statistics, Operations, and Data Science, Temple University, 2023.

Honors Examiner in Statistics and Probability, Swarthmore College, 2008.

Student Paper Judge, International Biometric Society (WJAR) Annual Meeting, 2005.

Report Reviewer, Institute of Education Sciences, Institute of Medicine, and National Research Council.

Referee. Journals include *American Journal of Epidemiology*; *American Political Science Review*; *Annals of Applied Statistics*; *Biometrical Journal*; *Biometrics*; *Biometrika*; *Biostatistics*; *BMC Medical Research Methodology*; *Computational Statistics and Data Analysis*; *Data and Knowledge Engineering*; *Demography*; *Ecology*; *Epidemiology*; *Evolution and Human Behavior*; *Harvard Data Science Review*; *Health Services and Outcomes Research Methodology*; *IERI Monographs*; *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*; *Journal of the American Medical Association*; *Journal of the American Statistical Association*; *Journal of Applied Statistics*; *Journal of Biomedical Informatics*; *Journal of Business and Economic Statistics*; *Journal of Causal Inference*; *Journal of Computational and Graphical Statistics*; *Journal of Educational and Behavioral Statistics*; *Journal of Law, Medicine, and Ethics*; *Journal of Machine Learning Research*; *Journal of Official Statistics*; *Journal of Privacy and Confidentiality*; *Journal of Probability and Statistics*; *Journal of Quantitative Analysis in Sports*; *Journal of the Royal Statistical Society Series A*; *Journal of the Royal Statistical Society Series B*; *Journal of Statistical Planning and Inference*; *Journal of Statistical Software*; *Journal of Statistical Theory and Practice*; *Journal of Statistics Education*; *Journal of Survey Statistics and Methodology*; *Management Science*; *Marketing Science*; *Metron*; *PLoS One*; *PNAS*; *Political Analysis*; *Psychological Methods*; *Public Opinion Quarterly*; *REVSTAT*; *Sankhya*; *Science*; *Statistical Methodology*; *Sociological Methods and Research*; *Stat*; *Statistical Science*; *Statistics and Computing*; *Statistics in Medicine*; *Statistics, Policy, and Politics*; *Survey Methodology*; *The American Statistician*; *The Stata Journal*; *Transactions on Data Privacy*; *Transactions on Knowledge Discovery from Data*; *WIREs Computational Statistics*.

## **UNIVERSITY SERVICE**

Institutional Awards Committee, 2023 - present.

Search Committee for Vice President of Human Resources, 2022.

Faculty Champion, Duke University Center of Exemplary Mentoring, 2017 - present.

Masters Advisory Committee, 2016 - 2022.

Associate Chair, Department of Statistical Science, Duke University, 2016 - 2019.

Transportation Advisory Committee, 2014 - 2015.

Duke University Population Research Institute Executive Committee, 2012 - 2015.  
Faculty Compensation Committee, 2012 - 2015. Committee chair, 2013 - 2015.  
Academic Council Representative, 2012 - 2014 and 2007 - 2009.  
Triangle Census Research Data Center Advisory Board, 2010 - present.  
Duke Initiative on Survey Methods Advisory Board, 2010 - 2015.  
Advisory Committee on Bass Professorships, 2011 - 2014. Committee chair, 2013 - 2014.  
Program for Advanced Research in the Social Sciences Advisory Board, 2004 - 2014.  
Arts & Sciences Faculty Assessment Committee, 2011 - 2013.  
Masters Degree Coordinator, Department of Statistical Science, 2011 - 2013.  
Social Science Research Institute Planning Committee, 2012.  
Provost's Informational Futures Committee, 2012.  
Committee on Revising the Quantitative Studies Requirement, 2010 - 2011.  
Social Sciences Research Institute Steering Committee Member, 2009 - 2011.  
Arts & Sciences Council Representative, 2004 - 2007.  
Undergraduate Pre-Major Advisor, 2003 - 2007.  
Director of Undergraduate Studies, ISDS, 2002 - 2006.  
Task Force on Data Analysis in the Social Sciences, 2005.  
Task Force on Program in Data Analysis and Computation, 2005.  
Presenter, Duke First Year Orientation, 2020; Chatauqua lecture, 2017; Duke Faculty Forum on Teaching and Technology, 2012; Duke Up Close, 2005, 2006, 2008; Duke School Days, 2004, 2005, 2008, 2010; Duke Family Days, 2007; Duke Homecoming Academic Program, 2007; Duke NC-SC Open House, 2007, 2008; Duke Founders' Day Recognition Celebration, 2007; Jacksonville Duke Alumni Association, 2008.

## **STUDENTS AND OTHER ADVISEES**

Habilitation Committee Member

Joerg Drechsler, University of Munich, Germany, 2015.

Postdoctoral Associate Mentor

Joe Feldman, 2023 - present; Sharmistha Guha, 2019 - 2021; Nabanita Mukherjee, 2017 - 2018; Andres Barrientos, 2015 - 2019; Mauricio Sadinle, 2015 - 2017; Maria DeYoreo, 2014 - 2017; Hang Joon Kim, 2012 - 2015; Daniel Manrique-Vallier, 2010 - 2013; Lane Burgette, 2009 - 2011.

Ph.D. Dissertation Committee Advisor

Jiurui Tang, "Bayesian Models for Combining Information from Multiple Sources," 2022.



Olanrewaju Akande, “Bayesian Models for Imputing Missing Data and Editing Errorneous Data in Surveys,” 2019.

Jody Heck Wortman, “Record Linkage Methods with Applications to Causal Inference and Elections Voting Data,” 2018.

Nicole Dalzell, “Bayesian Approaches to File Linking with Faulty Data,” 2017.

Lan Wei, “Methods for Imputing Missing Values and Synthesizing Confidential Values for Continuous and Magnitude Data,” 2016.

Tracy Schifeling, “Combining Information from Multiple Sources in Bayesian Modeling,” 2016.

Jingchen Hu, “Dirichlet Process Mixture Models for Nested Categorical Data,” 2015.

David McClure, “Relaxations of Differential Privacy and Risk/Utility Evaluations of Synthetic Data and Fidelity Measures,” 2015.

Thais Paiva, “Multiple Imputation Methods for Nonignorable Nonresponse, Adaptive Survey Design, and Dissemination of Synthetic Geographies,” 2014.

Jared Murray, “Some Recent Advances in Non- and Semiparametric Bayesian Modeling with Copulas, Mixtures, and Latent Variables,” 2013.

Yajuan Si, “Nonparametric Bayesian Methods for Multiple Imputation of Large Scale Incomplete Categorical Data in Panel Studies,” 2012.

Scott Schwartz, “Bayesian Mixture Modeling Approaches for Intermediate Variables and Causal Inference,” 2010 (co-advisor).

Robin Mitra, “Bayesian Methods to Impute Missing Covariates for Causal Inference and Model Selection,” 2008.

Satkartar Kinney, “Model Selection and Multivariate Inference Using Data Multiply Imputed for Disclosure Limitation and Nonresponse,” 2007.

Christine Kohnen, “Using Multiply Imputed, Synthetic Data to Facilitate Data Sharing,” 2005.

#### Ph.D. Dissertation Committee Member

Shweta Patwa (Computer Science), Graham Tierney, 2023; Yuchao Tao (Computer Science), 2022; Yi Guo, Bai Li, 2021; Nicole Solomon (Biostatistics and Bioinformatics), 2020; Kyke Burris, Abbas Zaidi, 2019; Yan Chen (Computer Science), Joseph Futoma, Maggie Nguyen, 2018; Christine Chai, 2017; Tsuyoshi Kunihamma, Wenzhao Lian (Electrical and Computer Engineering), 2015; Wenjie Lu (Mechanical Engineering and Materials Science), 2014; Ann-Sophie Charest (Statistics, Carnegie Mellon University), Lenka Bustikova (Political Science), Lynn Lin, 2012; Simone Gray, Hao Wang, 2010; Chunlin Ji, 2009; Joyee Ghosh, Liang Zhang, 2008.

#### Masters Thesis Committee Member

Tong Lin (chair) 2023; Claire Le Barbenchon, Chengxin Yang (chair), 2022; Linlin Li (chair), Bo Liu (chair), Ziang Wang (chair), 2021; Yangfan Ren (chair), Chudi Zhong, 2020; Xiyang Hu, Gauri Kamat (chair), 2019; Gilad Amitai (chair), William Eastman, Arpita Mandan, 2018; Bai Li, Haoyan Yu (chair), 2017; Sohae Oh, Olanrewaju Akande (chair), Wenzhao Lian, 2015; Yiting Deng (chair), Melissa Tosiano (Integrated Environmental Health and Toxicology Program), 2012; Arturas Rozenas (chair), 2010; Jacob Montgomery (chair), 2009.

## Undergraduate Research Advisor

Honors thesis adviser: Shirley Mathur, 2022; Daniel Levine, 2019; Jerry Chia Rui Chang, 2018; Christine Cheng, 2013; Jane Zhu, 2007 (Program II); Tyler McCormick, 2005 (Program II).

Research mentor: Adway Wadekar, 2022; Julia Donheiser (Program II), 2018; Alan Khaykin, 2017; Haley Miller (Program II), 2016; Emily Hadley, Lori Kim, 2015; Josh Ruffin, 2014; Drew Cannon, 2012; Siyu Zheng, 2011; Michael Lyngaas, 2010.

Independent studies: Adway Wadekar, 2023; Shirley Mathur, 2022; Yuyang Zhang, 2020; Zuzu Tang, 2019; AJ Eckman, Daniel Levine, Adam Wood, 2018; Jerry Chia Rui Chang, Annie Lott, 2017; Haley Miller, 2015; Lori Kim, Courtney Jones, 2014; Christine Cheng, 2012; Gregory Caiola, 2009; Joshua Koster, 2008; Stephanie Guan, 2005; Orcun Unlu, 2005.

## **TEACHING EXPERIENCE**

### Full Courses

“Bayesian Approaches to Survey Sampling,” Duke, Spring 2010.

“Bayesian and Modern Data Analysis,” Duke, Spring 2011, Fall 2011, Spring 2012.

“Complex Surveys and Missing Data Methods,” Duke, Fall 2003.

“Data Analysis and Statistical Inference,” Duke, Fall 2002, Spring 2003, Fall 2003, Fall 2008.

“Data Analysis for Undergraduate Research,” Duke, Spring 2006.

“Design and Analysis of Surveys,” Duke, Spring 2008, Spring 2010, Spring 2013, Spring 2015, Fall 2016.

“Design of Surveys and Causal Studies,” Duke, Spring 2018, Spring 2019, Spring 2020, Spring 2023.

“Fundamentals of Modern Statistical Modeling,” Duke, Spring 2009.

“Mathematics of Regression,” Duke, Fall 2021, Spring 2022.

“Methods for Missing Data,” Duke, Fall 2019.

“Modeling and Representation of Data,” Duke, Fall 2018.

“Probability and Statistical Inference,” Duke, Fall 2004, Spring 2004, Fall 2005, Spring 2007.

“Regression Analysis,” Duke, Fall 2006, Spring 2013, Fall 2013, Spring 2014, Spring 2017, Fall 2017.

“Statistical Analysis with Missing Data,” Duke, Fall 2008.

“Undergraduate Research Seminar in Statistical Science,” Duke, Spring 2011, Fall 2014, Spring 2015.

“Actuarial Statistics I,” UCSB, Winter 2001.

“Actuarial Statistics II,” UCSB, Spring 2002.

“General Statistics,” UCSB, Fall 2001, Winter 2001.

“Mathematics of Compound Interest,” UCSB, Fall 2001.

“Seminar and Projects in Statistical Consulting,” UCSB, Spring 2002.

“Elementary Statistics and Data Analysis,” Williams, Fall 1999.  
“Regression and Forecasting,” Williams, Fall 2000.  
“Statistics and Data Analysis,” Williams, Spring 2000, Spring 2001.  
“The Mathematics and Statistics of Surveys,” Williams, Fall 1999.

#### Short Courses

“Synthetic data: Balancing confidentiality and quality in public use files,” Joint Program in Survey Methodology, January 2023.  
“Synthetic data: Balancing confidentiality and quality in public use files,” Joint Program in Survey Methodology, December 2021.  
“Synthetic data: Balancing confidentiality and quality in public use files,” Joint Program in Survey Methodology, April 2021.  
“Multiple imputation: Methods and applications,” Odum Institute, UNC Chapel Hill, November 2020.  
“Synthetic data: Balancing confidentiality and quality in public use files,” Joint Program in Survey Methodology, December 2019.  
“Synthetic data: Balancing confidentiality and quality in public use files,” Joint Program in Survey Methodology, June 2018.  
“Multiple imputation: Methods and applications,” Odum Institute, UNC Chapel Hill, March 2018.  
“Synthetic data: Balancing confidentiality and quality in public use files,” Joint Statistical Meetings, July 2017.  
“Synthetic data: Balancing confidentiality and quality in public use files,” Joint Program in Survey Methodology, June 2016.  
“Multiple imputation: Methods and applications,” Odum Institute, UNC Chapel Hill, February 2016.  
“Understanding synthetic data,” Centre for Census and Survey Research, University of Manchester, UK, October 2010.  
“Analysis of missing data in social science research,” Social Sciences Research Institute, Duke University, September 2007.  
“Analysis of missing data in social science research,” Social Sciences Research Institute, Duke University, February 2007, April 2006.  
“Analysis of missing data in social science research,” Social Sciences Research Institute, Duke University, April 2006.

#### **PEER-REVIEWED PUBLICATIONS**

1. Guha, S. and Reiter, J. P. (forthcoming), “Simultaneous causal inference and probabilistic record linkage in observational studies with covariates spread over two files,” *Journal of Statistical Planning and Inference*.
2. Jarmin, R. S., Abowd, J. M., Ashmead, R., Cumings-Menon, R., Goldschlag, N., Hawes, M. B., Keller, S. A., Kifer, D., Leclerc, P., Reiter, J. P., Rodriguez, R. A., Schmutte, I., Velkoff, V. A., and Zhuravlev, P. (forthcoming), “An in-depth examination of requirements for disclosure risk assessment,” *PNAS*.

3. Kazan, Z. and Reiter, J. P. (forthcoming), “Assessing disclosure risk for differentially private, hierarchical count data, with application to the 2020 U. S. decennial census,” *Statistica Sinica*.
4. Tang, J., Hillygus, D. S., and Reiter, J. P. (forthcoming), “Using auxiliary marginal distributions in imputations for nonresponse while accounting for survey weights, with application to estimating voter turnout”, *Journal of Survey Statistics and Methodology*.
5. Yang, C. and Reiter, J. P. (forthcoming), “Differentially private methods for stability analyses,” *The American Statistician*.
6. Reiter, J. P. (2023), “Synthetic data: A look back and a look forward,” *Transactions on Data Privacy*, 16, 15 - 24.
7. Guha, S., Reiter, J. P., and Mercatanti, A. (2022), “Bayesian causal inference with bipartite record linkage,” *Bayesian Analysis*, 17, 1275 - 1299.
8. Li, L. and Reiter, J. P. (2022), “Bayesian inference for estimating subset proportions using differentially private counts,” *Journal of Survey Statistics and Methodology*, 10, 785 - 803.
9. Liu, B. and Reiter, J. P. (2022), “Multiple imputation inference with integer-valued point estimates,” *The American Statistician*, 76, 323 - 328.
10. Pistner Nixon, M., Barrientos, A. F., Reiter, J. P., and Slavkovic, A. (2022), “A latent class modeling approach for generating synthetic data and making posterior inferences from differentially private counts,” *Journal of Privacy and Confidentiality*, 12(1).
11. Akande, O., Madson, G., Hillygus, D. S., and Reiter, J. P. (2021), “Leveraging auxiliary information on marginal distributions in nonignorable models for item and unit nonresponse,” *Journal of the Royal Statistical Society, Series A*, 184, 643 - 662.
12. Kamat, G. and Reiter, J. P. (2021), “Leveraging random assignment in multiple imputation of missing covariates in causal studies,” *Journal of Statistical Computation and Simulation*, 91, 1275 - 1305.
13. Wang, Z. and Reiter, J. P., (2021), “Post-processing differentially private counts to satisfy additive constraints,” *Transactions on Data Privacy*, 14, 65 - 77.
14. De Yoreo, M. and Reiter, J. P. (2020), “Bayesian mixture modeling for multivariate conditional distributions,” *Journal of Statistical Theory and Practice*, 14, Article 45.
15. Kaufman, B. G., Klemish, D., Olson, A., Kassner, C. T., Reiter, J. P., Harker, M., Sheble, L., Goldstein, B. A., Taylor, Jr., D. H., Bhavsar, N. A. (2020), “Use of hospital referral regions in evaluating end-of-life care,” *Journal of Palliative Medicine*, 23, 90 - 96.
16. Lott, A. and Reiter, J. P. (2020), “Wilson confidence intervals for binomial proportions with multiple imputation for missing data,” *The American Statistician*, 74, 109 - 115.
17. Tang, J., Reiter, J. P., and Steorts, R. C. (2020), “Bayesian modeling for simultaneous regression and record linkage,” *Privacy in Statistical Databases*, edited by J. Domingo-Ferrer and K. Muralidhar, Lecture Notes in Computer Science 12276, Cham, Switzerland: Springer, 209 - 223.

18. Akande, O., Barrientos, A. F., and Reiter, J. P. (2019), "Simultaneous edit and imputation for household data with structural zeros," *Journal of Survey Statistics and Methodology*, 7, 498 - 519.
19. Akande, O., Reiter, J. P., and Barrientos, A. F. (2019), "Multiple imputation of missing values in household data with structural zeros," *Survey Methodology*, 45, 271 - 294.
20. Barrientos, A. F., Reiter, J. P., Machanavajjhala, A., Chen, Y. (2019), "Differentially private significance tests for regression coefficients," *Journal of Computational and Graphical Statistics*, 28, 440 - 453.
21. Reiter, J. P. (2019), "Differential privacy and federal data releases," *Annual Review of Statistics and Its Application*, 6, 85 - 101.
22. Sadinle, M. and Reiter, J. P. (2019), "Sequentially additive nonignorable missing data modelling using auxiliary marginal information," *Biometrika*, 106, 889 - 911.
23. Schifeling, T., Reiter, J. P., and De Yoreo, M. (2019), "Data fusion for correcting measurement errors," *Journal of Survey Statistics and Methodology*, 7, 175 - 200.
24. Weinberg, D. H., Abowd, J. A., Belli, R. F., Cressie, N., Folch, D. Holand, S. H., Levenstein, M. C., Olson, K. M., Reiter, J. P., Shapiro, M. D., Smyth, J., Soh, L., Spencer, B. D., Spielman, S. E., Vilhuber, L., and Wikle, C. K. (2019), "Effects of a government-academic partnership: Has the NSF-Census Bureau research network helped improve the U.S. statistical system?" *Journal of Survey Statistics and Methodology*, 7, 589 - 619.
25. Amitai, G. and Reiter, J. P. (2018), "Differentially private posterior summaries for linear regression coefficients," *Journal of Privacy and Confidentiality*, 8(1), Article 3.
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165. Reiter, J. P. (2012), "Protecting data confidentiality in public release datasets: Approaches based on multiple imputation," *Handbook of Statistics: Bioinformatics*, edited by C. R. Rao, R. Chakraborty, and P. K. Sen, Elsevier, 533 - 545.
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170. Reiter, J. P. (2007), "Survey error," *Encyclopedia of Statistics in Quality and Reliability*, edited by F. Ruggeri, R. Kennett, and F. W. Faltin, Chichester, UK: John Wiley & Sons, 1952 - 1954.
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172. Karr, A. F., Lin, X., Sanil, A. P., and Reiter, J. P. (2006), "Secure statistical analysis of distributed databases," *Statistical Methods in Counterterrorism: Game Theory, Modeling, Syndromic Surveillance, and Biometric Authentication*, edited by A. Wilson, G. Wilson, and D. H. Olwell, New York: Springer, 237 - 262.
173. Reiter, J. P. (2006), "Multiple imputation for missing data," *Encyclopedia of Measurement and Statistics*, edited by N. Salkind, Sage Publications.
174. Hill, J. L., Reiter, J. P., Zanutto, E. (2004), "A comparison of experimental and observational data analyses," *Applied Bayesian Modeling and Causal Inference from Incomplete-Data Perspectives*, edited by A. Gelman and X. Meng, New York: Wiley, 49 - 60.
175. Reiter, J. P. (2001), "Borrowing strength without explicit data pooling," in *Monographs of Official Statistics: Bayesian Methods With Applications to Science, Policy, and Official Statistics*, edited by E. George and N. Photis, Eurostat, 439 - 448.

## **OTHER PUBLICATIONS**

176. Abowd, J. M., Benedetto, G. L., Garfinkel, S. L., Dahl, S. A., Dajani, A. N., Graham, M., Hawes, M. B., Karwa, V., Kifer, D., Kim, H., Leclerc, P., Machanavajjhala, A., Reiter, J. P., Rodriguez, R., Schmutte, I. M., Sexton, W. N., Singer, P. E., and Vilhuber, L. (2020), "The modernization of statistical disclosure limitation at the U.S. Census Bureau." Working Paper, United States Bureau of the Census.
177. Freiman, M. H., Lauger, A. D., Reiter, J. P. (2018), "Formal privacy and synthetic data for the American Community Survey." Working Paper, United States Bureau of the Census.
178. Computing Community Consortium (2017), *Privacy-preserving data analysis for the federal statistical agencies*. Privacy Task Force Report. (Contributing author.)
179. Dalzell, N. D., Boyd, G., and Reiter, J. P. "File matching with faulty continuous matching variables." Working Paper, United States Bureau of the Census.
180. Nussbaum, B. D. and Reiter, J. P. (2017), "HONEST Act needs honest engagement of scientific community." TheHill.com, June 23, 2017.

181. Rodriguez, R. A., Freiman, M. H., Reiter, J. P. and Lauger, A. D. (2017), "Synthesizing Housing Units for the American Community Survey." Working Paper, United States Bureau of the Census.
182. National Research Council (2015), *Realizing the Potential of the American Community Survey*. Panel on Addressing Priority Technical Issues for the Next Decade of the American Community Survey, Committee on National Statistics, Division of Behavioral and Social Sciences and Education. Washington, DC: The National Academies Press. (Contributing author.)
183. Paiva, T. P. and Reiter, J. P. (2014), "Using imputation techniques to evaluate stopping rules in adaptive survey designs." Working Paper, United States Bureau of the Census.
184. Reiter, J. P. (2011), "Introduction to Chapter 5," in *Advances in Quantitative Methods*, edited by C. R. Rao and S. Gupta, Grace Scientific Publishing, 297 - 298.
185. Reiter, J. P. (2011), Book review of "Bayesian Ideas and Data Analysis," *The American Statistician*, 65, 284.
186. National Research Council (2010), *Conducting Biosocial Surveys: Collecting, Storing, Accessing, and Protecting Biospecimens and Biodata*. Panel on Collecting, Storing, Accessing, and Protecting Biological Specimens and Biodata in Social Surveys, Committee on National Statistics and Committee on Population, Division of Behavioral and Social Sciences and Education. Washington, DC: The National Academies Press. (Contributing author.)
187. National Research Council (2009), *Reengineering the Survey of Income and Program Participation*. Panel on the Census Bureau's Reengineered Survey of Income and Program Participation, Committee on National Statistics, Division of Behavioral and Social Sciences and Education. Washington, DC: The National Academies Press. (Contributing author.)
188. Reiter, J. P. (2008), "Letter to the editor," *Journal of Official Statistics*, 24, 319 - 320.
189. Reiter, J. P. (2008), Book review of "Data Quality and Record Linkage Techniques," *Journal of the American Statistical Association*, 103, 881.
190. Kohnen, C. N. and Reiter, J. P. (2007), "Manual for JMP-IN." Accompanies *Mind on Statistics: Third Edition* by J. Utts and R. Heckard.
191. National Research Council (2007), *Putting People on the Map*. Panel on Confidentiality Issues Arising From the Integration of Remotely-Sensed and Self-Identifying Data, Committee on the Human Dimension of Global Change, Division of Behavioral and Social Sciences and Education. Washington, DC: The National Academies Press. (Contributing author.)
192. Reiter, J. P. (2007), Book review of "Statistical Matching: Theory and Practice," *Journal of Official Statistics*, 23, 130 - 132.
193. Reiter, J. P. (2006), "Teaching the fundamentals of statistics with sports data," *Proceedings of the International Conference on Teaching Statistics*.
194. Stangl, D., Banks, D., House, L., and Reiter, J. P. (2006), "Progressive mastery testing: Does it increase learning and retentions? Yes and no," *Proceedings of the International Conference on Teaching Statistics*.



195. Banks, D. and Reiter, J. P. (2005), "Confidentiality issues related to transportation use of census data for transportation planning: Preparing for the future," commissioned paper for the Transportation Research Board.
196. Biemer, P. and Reiter, J. P. (2005), "Total survey error workshop," *Newsletter of the ASA Survey Research Methods Section*, 21 (July), 2 - 3.
197. Reiter, J. P. (2005), "Bayesian methods in statistical disclosure limitation," *ISBA Bulletin*, 12(4), 6.
198. Kohnen, C. N. and Reiter, J. P. (2004), "Sharing confidential data among multiple agencies using multiply imputed, synthetic data," *ASA Proceedings of the Joint Statistical Meetings*.
199. Reiter, J. P. (2004), "One question interview: Walking Barry Bonds," *Duke Dialogue*, 19:5 (May 28, 2004), 7.
200. Reiter, J. P. (2004), Book review of "Teaching Statistics Using Baseball," *INFORMS Transactions on Education*, 5 (Sept. 2004).
201. Reiter, J. P. (2004), "Introductory statistics animations," Wiley. Flash animations of statistical topics to accompany introductory statistics text books.
202. Reiter, J. P., Kohnen, C. N., Karr, A. F., Lin, X., and Sanil, A. P. (2004), "Secure regression for vertically partitioned, partially overlapping data," *ASA Proceedings of the Joint Statistical Meetings*.
203. Reiter, J. P. (2003), "Using CART to generate partially synthetic, public use microdata," *Proceedings of the Federal Committee on Statistical Methodology Research Conference*.
204. Reiter, J. P. (2003), "Estimating probabilities of identification for microdata," commissioned paper for the National Academy of Sciences Panel on Confidential Data Access for Research Purposes.
205. Reiter, J. P. and Kohnen, C. N. (2003), "Generalized linear model diagnostics for remote servers," *Proceedings of the Association for Survey Computing Conference*, 2003.
206. Reiter, J. P. (2002), Book reviews of "Finite Population Sampling and Inference: A Prediction Approach" and of "Topics in Survey Sampling," *Journal of the American Statistical Association*, 97, 357 - 358.
207. Reiter, J. P. (2002), Book review of "Fundamentals of Modern Statistical Methods," *Journal of Official Statistics*, 18, 313 - 315.
208. Reiter, J. P. (2002), "Should teams walk or pitch to Barry Bonds?" *By the Numbers*, 12 (November 2002), pp. 7-11. (Newsletter of the Statistical Analysis Committee of the Society for American Baseball Research).
209. Reiter, J. P. (2001), "Using synthetic data sets to satisfy disclosure restrictions," *Proceedings of the Federal Committee on Statistical Methodology Research Conference*.
210. Reiter, J. P. (2001), "Motivating students' interest in statistics through sports," *ASA Proceedings of the Joint Statistical Meetings*.

211. Reiter, J. P. (2000), “Satisfying disclosure restrictions with synthetic data sets,” *ASA Proceedings of the Section on Government Statistics and Section on Social Statistics*, 276 – 281.
212. Reiter, J. P. (1999), “Stimulating interest in quantitative courses with activity-based lessons,” in *Voices of Experience*, edited by M. Winkelmes and J. Wilkinson, Derek Bok Center for Teaching and Learning, Harvard University, 47 - 54.
213. Reiter, J. P. (1998), “Estimation in the presence of external constraints that prohibit explicit data pooling,” *ASA Proceedings of the Section on Survey Research Methods*, 599 – 604.

## **MANUSCRIPTS UNDER REVIEW**

Bhavsar, N., Jowers, K., Yang, L. Z., Guha, S., Lin, X., Peskoe, S., McManus, H., McElroy, L., Bravo, M., Reiter, J. P., Whitsel, E., and Timmins, C. “The association between long-term PM2.5 exposure and risk for pancreatic cancer: An application of social informatics,” submitted.

Binette, O. and Reiter, J. P., “ER-Evaluation: End-to-end evaluation of entity resolution systems,” submitted.

Heck Wortman, J., Kundinger, B. Steorts, R. C., and Reiter, J. P., “Who was removed from the voter rolls? Linking provisional ballots cast in the 2016 North Carolina election to the voter registration file,” submitted.

Kazan, Z. and Reiter, J. P., “Prior-itzing privacy: A Bayesian approach to setting the privacy budget in differential privacy,” submitted.

Kundinger, B., Reiter, J. P. and Steorts, R. C., “Efficient and scalable Bayesian bipartite matching with fast Beta linkage (fabl),” submitted.

Mathur, S., Si, Y., and Reiter, J. P., “Fully synthetic data for complex surveys,” submitted.

Wadekar, A. and Reiter, J. P. “Evaluating binary outcome classifiers estimated from survey data,” submitted.

## **OTHER PRODUCTS**

Public use datasets

Synthetic Longitudinal Business Database: led team that created the SynLBD, which is available for download from the Census Bureau website

R packages on CRAN

NPBayesImpute: imputation for categorical data via Bayesian latent class models

EditImputeCont: simultaneous editing and imputation for continuous data

NestedCategBayesImpute: imputation for nested categorical data

## **INVITED PRESENTATIONS AT PROFESSIONAL CONFERENCES**

“How auxiliary information can help your missing data problem,” AISC 2022, Greensboro, NC, October 2022.

“Record linkage – Statistical innovations to advance official statistics,” invited panel, Joint Statistical Meetings, August 2022.

“Discussion of papers from special issue of JSSAM on data privacy,” Joint Statistical Meetings, August 2022.

“Discussion: Bayesian methods for data privacy,” International Society for Bayesian Analysis World Meeting, July 2022.

“Formally private verification of statistical analyses,” Statistical Society of Canada Annual Meeting, June 2022.

“Providing access to confidential research data,” 11th Official Statistics and Methodology Symposium (Statistics Korea), September 2021.

“Discussion: Privacy protection methods,” Joint Statistical Meetings, August 2020.

“How auxiliary information can help your missing data problem,” invited poster, Joint Statistical Meetings, August 2020.

“Multiple imputation for privacy protection: Where are we and where are we going?” Joint Statistical Meetings, Denver, July 2019.

“How auxiliary information can help your missing data problem,” CSSS 20th Anniversary Conference, University of Washington, May 2019.

“Confidentiality protection in 2020 census data products,” AAAS Annual Meeting, Washington DC, February 2019.

“An integrated approach to providing access to confidential data,” Federal Committee on Statistical Methodology research conference, Washington DC, March 2018.

“Blending data through statistical matching, modeling, and imputation,” Federal Committee on Statistical Methodology workshop on integrated data, January 2018.

“Accounting for uncertainty in record linkage,” Joint Statistical Meetings, Baltimore, August 2017.

“Statistical methods for protecting privacy,” Committee on Applied and Theoretical Statistics workshop on Privacy of Employee Data, National Academy of Sciences, June 2017.

“Data dissemination: A survey of recent approaches and challenges,” AISC 2016, Greensboro, NC, September 2016.

“An integrated approach to providing access to confidential social science data,” Joint Statistical Meetings, Chicago, August 2016.

“Data dissemination: A survey of recent approaches, challenges, and connections to data linkage,” Data Linkage and Anonymization workshop, Isaac Newton Institute, Cambridge, England, July 2016.

“Discussion: Multi-phase inference and multiple imputation,” ENAR conference, Austin, TX, March 2016.

“Bayesian modeling and multiple imputation to simultaneously handle missing and erroneous values and protect confidentiality in Census Bureau data,” 65th Birthday Conference for Rod Little, University of Michigan, October 2015.

“Relationships between data quality and confidentiality,” Total Survey Error Workshop, Baltimore, MD September 2015.

“Statistical methods for protecting confidentiality of data with personally identifiable information,” Conference on Big Data and HIV, NIAID, Rockville, MD, July 2015.

“Making large-scale, confidential data available for secondary analysis,” Fields Institute, Toronto, Canada, April 2015.

“Protecting confidentiality in an era with no privacy,” AISC 2014, Greensboro, NC, October 2014.

“Generating and releasing synthetic data: Lessons learned and future directions,” MITRE workshop, Mclean, VA, July 2014.

“Providing public access to confidential, big social science data,” ISNIE conference, Duke University, NC, June 2014.

“Multiple imputation via flexible, joint models,” ENAR conference, Baltimore, MD, March 2014.

“Statistical disclosure limitation and edit imputation,” Federal Committee on Statistical Methodology research conference, Washington DC, November 2013.

“Protecting data confidentiality in an era without privacy,” UNC-G Regional Mathematics and Statistics Conference, November 2013.

“Multiple imputation: Theory and practice,” Workshop, University of Maryland Baltimore County, April 2013.

“Data fusion via multiple imputation,” Joint Statistical Meetings, San Diego, CA, August 2012.

“The multiple adaptations of multiple imputation,” Political Methodology XII Conference, Chapel Hill, NC, July 2012.

“Protecting confidentiality of public use data: Common approaches and their impacts on statistical analysis,” Academy Health Annual Research Meeting, Orlando, FL, June 2012.

“Public use business establishment data: Protecting confidentiality and providing utility with synthetic data,” International Conference on Establishment Surveys IV, Montreal, Canada, June 2012.

“Adapting multiple imputation to protect confidentiality,” International Chinese Statistical Association Applied Statistics Symposium, Indianapolis, June 2010.

“Statistical methods for disclosure risk assessment,” Office of Civil Rights Workshop on Reconsidering the HIPAA De-identification Standard, Washington DC, March 2010.

“Reconciling measures of confidentiality risk from statistics and computer science,” IPAM workshop on Privacy and Statistical Learning, UCLA, February 2010.

“Using multiple imputation to protect participants’ confidentiality when sharing data,” International Conference on Health Policy Statistics, Washington DC, January 2010.

“Easily implemented, nonparametric synthesizers based on algorithmic methods from computer science,” NSF-Census-IRS workshop on synthetic data and confidentiality protection, Washington, DC, July 2009.

“Multiple imputation when some records used for imputation are not used or disseminated for analysis,” Conference on Sample Surveys and Bayesian Statistics, Southampton, England, August 2008.

“Synthetic data methods: A discussion of the most pressing challenges,” Joint Meeting of the Statistical Society of Canada, May 2008.

“The future of synthetic data,” NISS workshop on Data Confidentiality: The Next Five Years, Washington DC, May 2008.

“Evaluating the disclosure risks of reporting quality measures to the public,” United Nations Economic Commission for Europe workshop on data confidentiality, Manchester, England, December 2007.

“Using two stage multiple imputation to correct measurement error with external validation data,” International Statistical Institute meetings, Lisbon, Portugal, August 2007.

“The risks and benefits of releasing measures of data quality,” Workshop on Data Access, Nuremberg Germany, August 2007.

“Protecting confidentiality in public use data by releasing synthetic datasets: Experiences with genuine applications,” invited panel, Joint Statistical Meetings, Salt Lake City, August 2007.

“Alternative approaches to data dissemination,” Population Association of America conference, New York, March 2007.

“Using multiple imputation for data integration and dissemination,” Workshop on Combining and Enhancing Data, Manchester, UK, January 2007.

“Adjusting survey weights when using partially synthetic data,” Privacy in Statistical Databases conference, Rome, Italy, December 2006.

“Making public use, synthetic files of longitudinal establishment data,” Comparative Analysis of Enterprise Data conference, Washington, DC, September 2006.

“Using multiple imputation to handle missing data and disclosure limitation,” Workshop on data confidentiality, Nurnberg, Germany, August 2006.

“Can and should we teach Bayesian statistics in Stat 101?” roundtable coffee, Joint Statistical Meetings, August 2006.

“Discussion of session on statistical disclosure limitation,” Joint Statistical Meetings, August 2006.

“Identification disclosure in social science research,” Data Sharing Workshop for Behavioral and Social Studies that Collect Genetic Data, National Institute on Aging, August 2006.

“Teaching the fundamentals of statistics with sports data,” International Conference on Teaching Statistics, Brazil, July 2006.

“Alternative approaches to data dissemination and data sharing,” Conference on Quantitative Methods and Statistical Applications in Defense and National Security, RAND, February 2006.

“Methods for secure computation and data integration,” United Nations Economic Commission for Europe Workshop on Data Confidentiality, Geneva, Switzerland, November 2005.

“Some approaches and challenges in secure statistical analysis,” Statistical and Applied Mathematical Sciences Institute Workshop on National Defense and Homeland Security, September 2005.

“Methods for secure computation and data integration,” Joint Statistical Meetings, Minneapolis, August 2005.

“Generating partially synthetic data when there are missing data,” Computer Science-Statistics Workshop on Privacy and Confidentiality, Italy, July 2005.

“Discussion of the National Election Surveys: The potential of multiple imputation,” panel, Social Science Research Institute, Duke University, January 2005.

“Disclosure limitation via synthetic, multiply-imputed data sets,” International Conference on the Future of Statistical Theory, Practice and Education, Hyderabad, India, December 2004.

“Disclosure limitation via synthetic, multiply-imputed data sets,” Research Triangle Institute Fellows Symposium, Durham, NC, December 2004.

“Multiple imputation for missing data in surveys with complex designs,” Statistical and Applied Mathematical Sciences Institute Workshop on Latent Variables in the Social Sciences, September 2004.

“Disclosure risk and data utility for remote access servers,” Joint Statistical Meetings, Toronto, August 2004.

“Disclosure limitation via synthetic, multiply-imputed data sets,” International Indian Statistical Association conference, University of Georgia, May 2004.

“Data confidentiality, data integration, and secure computation,” Electronic Frontier Foundation panel, National Institute of Statistical Sciences, April 2004

“Disclosure limitation via partially synthetic, multiply-imputed data sets,” International Biometric Society (ENAR) Annual Meeting, Pittsburgh, March 2004.

“Is it better to walk or pitch to Barry Bonds?” Institute of Mathematical Statistics Meeting on Statistics and Sports, Worcester Polytechnic Institute, November 2003.

“Disclosure limitation by releasing multiply imputed, public-use microdata,” New Researchers Conference, Davis, CA., July 2003.

“Estimating probabilities of identification for microdata,” National Academy of Sciences Panel on Data Access workshop, Washington DC, October 2003.

“Borrowing strength without explicit data pooling,” International Society for Bayesian Analysis Conference, Greece, June 2000.

## **OTHER PRESENTATIONS**

“How auxiliary information can help your missing data problem,” Dept. of Statistics, Rutgers University April 2023.

“Protecting privacy in a blended data world,” Links Lecture, virtual talk, January 2023.

“Is there a future for public use data?” Clifford Clogg Memorial Lecture, Pennsylvania State University, November, 2022.

“How auxiliary data can help your missing data problem,” Dept. of Statistics, Pennsylvania State University, November, 2022.

“Advancing demographic equity with privacy preserving methodologies: Current challenges and potential future work,” Ingram Olkin Forum webinar, November, 2022.

“Accounting for uncertainty in record linkage,” National Academy of Sciences consensus panel, October, 2022.

“Synthetic data and Census Bureau directions for privacy protection,” National Academy of Sciences consensus panel, September, 2022.

“How auxiliary data can help your missing data problem,” Dept. of Statistics, Texas A&M University, April 2022.

“How auxiliary data can help your missing data problem,” Dept. of Statistics and Data Science, University of Texas at Austin, March 2022.

“How auxiliary data can help your missing data problem,” Dept. of Statistics, Purdue University, November 2021.

“How auxiliary data can help your missing data problem,” Research Methods, Measurement, and Evaluation Program, University of Connecticut, November 2021.

“Discussion: Privacy and sample surveys,” Federal Committee on Statistical Methodology Research Conference, November 2021.

“Providing access to confidential research data,” National Agricultural Statistics Service, October 2021.

“Providing access to confidential research data,” Massive Data Institute, Georgetown University, September 2021.

“Synthetic data generation,” NIST-NSF Workshop on Secure Government Data Sharing, May 2021.

“How auxiliary data can help your missing data problem,” Dept. of Statistics, Harvard University, March 2021.

“Providing access to confidential research data,” Duke University Population Research Institute, January 2021.

“NISS virtual academic career fair panel,” National Institute of Statistical Sciences, online panel, April 2020.

“How auxiliary information can help your missing data problem,” Department of Biomedical Data Science, Dartmouth College, November 2019.

“How auxiliary information can help your missing data problem,” Survey Research Center and MIDAS, University of Michigan, November 2019.

“Big Data Day panel discussion,” Committee on National Statistics, Washington, DC, May 2018.

“Protecting privacy in the era of big data,” Chatauqua lecture, Duke University, September, 2017.

“Big data in the federal government,” National Institute of Statistical Sciences affiliates meeting, Baltimore, July 2017.

“A simple way to incorporate prior information on margins in Bayesian latent class models,” Dept. of Statistics, University of Georgia, March 2017.

“An integrated system for confidential data access,” Ryan Murray Commission on Evidence Based Policymaking, February, 2017.

“A simple way to incorporate prior information on margins in Bayesian latent class models,” Survey Research Center, University of Michigan, October 2016.

“Data access and data confidentiality: Where are we and where are we going?” Commissioner’s Invited Lecture Series, Bureau of Labor Statistics, December 2015.

“A simple way to incorporate prior information on margins in Bayesian latent class models,” Dept. of Biostatistics, UNC Chapel Hill, October 2015.

“Protecting confidentiality in an era with no privacy,” BSSR Lecture Series, National Institutes of Health, April 2015.

“Multiple imputation via Bayesian mixture models,” NISS workshop on missing data, Bureau of Labor Statistics, Washington, DC, October 2014.

“Imputation of missing data via flexible mixture modeling,” AISC 2014, Greensboro, NC, October 2014.

“An integrated approach to providing access to confidential social science data,” Center for Improving Methods for Quantitative Policy Research, Northwestern University, October 2014.

“Sharing confidential data in era with no privacy,” Gertrude Cox award lecture, Washington Statistical Society, Washington DC, June 2014.

“Missing data in longitudinal studies: The case for refreshment samples,” Helen Barton Lecture Series in Computational Mathematics, University of Greensboro, Dept. of Mathematics and Statistics, April 2014.



“Bayesian methods for complex surveys,” Research Triangle Institute International, January 2014.

“Multiple adaptations of multiple imputation,” Dept. of Biostatistics, Brown University, April 2013.

“Protecting confidentiality by releasing simulated public use data sets,” Institute for Quantitative Social Science, Harvard University, April 2013.

“Protecting confidentiality in public use data with multiple imputation,” Dept. of Political Science, Princeton University, March 2013.

“Multiple imputation: Some novel applications,” Prevention Science and Methodology Group, Durham, NC (remote talk), December 2012.

“Protecting confidential data with geographic identifiers: Approaches based on multiple imputation,” Dept. of Statistics, University of Missouri Columbia, November 2012.

“Missing data in longitudinal studies: The case for refreshment samples,” Center for Developmental Science, UNC-Chapel Hill, October 2012.

“An overview of the challenges of statistical disclosure limitation,” AISC conference, UNC-Greensboro, October 2012.

“An overview of multiple imputation: Theory and practice,” Research Triangle Institute International, March 2012.

“Protecting confidentiality in public use data with geographic identifiers,” National Cancer Institute, August 2011.

“Some novel adaptations of multiple imputations,” Department of Mathematics and Statistics, University of Maryland–Baltimore County, November 2010.

“Some novel adaptations of multiple imputation,” Centre for Census and Survey Research, University of Manchester, UK, October 2010.

“Sampling with synthesis: A new approach to releasing public use microdata samples of census data,” Summer at Census talk, U. S. Bureau of the Census, Washington, DC., July 2010.

“Novel adaptations of multiple imputations,” Department of Statistics, The Ohio State University, May 2010.

“Measuring disclosure risks in statistical databases,” Westat, March 2010.

“Handling missing data with multiple imputation: A primer for quantitative social scientists,” Quantitative Psychology Program, UNC Chapel Hill, September 2009.

“Issues in disclosure risk assessment for tabular data,” CNSTAT workshop on confidentiality criteria for statistics from the NSF Survey of Earned Doctorates, National Academy of Sciences, May 2009.

“Multiple imputation when some records used for imputation are not used or disseminated for analysis,” Department of Biostatistics, Duke University, December 2008.

“Multiple imputation when some records used for imputation are not used or disseminated for analysis,” Social Science Research Institute, Duke University, September 2008.

“Preserving confidentiality in shared data: A statistician’s perspective,” Department of Computer Science, UNC Chapel Hill, August 2008.

“The multiple adaptations of multiple imputation,” Department of Statistics, University of Wollongong, Australia, August 2008.

“Using multiple imputation to protect confidentiality in public use data,” Australian Bureau of Statistics, July 2008.

“Multiple imputation when some records used for imputation are not used or disseminated for analysis,” Australian Bureau of Statistics, July 2008.

“The multiple adaptations of multiple imputation,” Heinz School, Carnegie Mellon University, March 2008.

“Protecting confidentiality of public use genetic data: What can we learn from the experiences of statistical agencies,” Department of Biostatistics, University of Alabama at Birmingham, January 2008.

“The multiple adaptations of multiple imputation,” Center for Statistics in the Social Sciences, University of Washington, November 2007.

“Estimating risks of identification disclosure with partially synthetic data,” Bureau of the Census, Washington DC, June 2007.

“Analysis with missing data,” Center for Health Promotion and Disease Prevention, UNC Chapel Hill, April 2007.

“Using multiple imputation to protect confidentiality in public use data,” Center for Demography and Health of Aging, University of Wisconsin, February 2007.

“Multiple imputation for disclosure limitation: Why don’t Rubin’s 1987 rules apply?” IAB, Nurnberg, Germany, January 2007.

“Discussion of papers on synthetic data,” Washington Statistical Society seminar series, Washington, D.C., November 2006.

“The multiple applications of multiple imputation,” University of Pennsylvania, October 2006.

“Disclosure limitation in microdata using multiple imputation,” National Center for Education Statistics, Washington, D.C., July 2006.

“Disclosure limitation for ACS microdata using multiple imputation,” Bureau of the Census, Washington, D.C., June 2006.

“The multiple applications of multiple imputation,” Department of Statistics, University of South Carolina, April 2006.

“Handling confidentiality concerns with multiple imputation,” University of Southampton, March 2006.

“Handling confidentiality concerns and missing data simultaneously with multiple imputation,” Department of Statistics, Cornell University, February 2006.

“Multiple imputation for disclosure limitation: Why don’t Rubin’s 1987 rules apply,” Center for Economic Studies, U.S. Bureau of the Census, October 2005.

“Disclosure limitation via synthetic, multiply-imputed data sets,” Department of Statistics, Pennsylvania State University, September 2005.

“Are we teaching the right things in introductory statistics,” poster session, U.S. Conference on Teaching Statistics, May 2005.

“Discussion of the National Election Surveys: The potential of multiple imputation,” panel discussion, Social Science Research Institute, Duke University, January 2005.

“What do students retain from introductory statistics: Lessons from a study in statistical education,” Teaching and Learning Club, Duke University, October 2004.

“Disclosure limitation via synthetic, multiply-imputed data sets,” Los Alamos National Labs, August 2004.

“Protecting confidentiality by releasing simulated microdata: An informal discussion of benefits, limitations, and practical experiences,” roundtable luncheon, Joint Statistical Meetings, Toronto, August 2004.

“Disclosure limitation via synthetic, multiply-imputed data sets,” Department of Statistics, Iowa State University, April 2004.

“Protecting confidentiality by releasing synthetic, public-use datasets,” Social Science Research Institute, Duke University, March 2004.

“A primer on designing studies to determine causal effects,” Teaching and Learning Club, Duke University, February 2004.

“Teaching quantitative material,” Center for Teaching, Learning, and Writing Teaching Breakfast, Duke University, February 2004.

“Releasing partially synthetic, public-use microdata to protect confidentiality: An investigation of data generation by CART,” Federal Committee on Statistical Methodology Research Conference, Washington DC, November 2003.

“Protecting confidentiality by releasing synthetic microdata,” INFORMS Annual Meeting, Atlanta, October 2003.

“Model diagnostics for remote access servers,” Association for Survey Computing Conference, Warwick, England, September 2003.

“Inference for multiply-imputed, partially synthetic microdata,” Joint Statistical Meetings, San Francisco, August 2003.

“The feasibility of using synthetic microdata for public release data,” Joint Statistical Meetings, August 2002.

“The feasibility of using synthetic microdata for public release data,” Federal Committee on Statistical Methodology Conference, November 2001.

“Motivating students’ interest in statistics through sports,” Joint Statistical Meetings, August 2001.

“Satisfying disclosure restrictions with synthetic data sets,” U.S. Bureau of the Census, May 2001.

“Satisfying disclosure restrictions with synthetic data sets,” Joint Program in Survey Methodology, April 2001.

“Satisfying disclosure restrictions with synthetic data sets,” Sigma Xi Honor Society Research Lecture, Williams College, April 2001.

“What is Bayesian statistics?” Sigma Xi Honor Society Research Lecture, Williams College, April 2001.

“Borrowing strength without explicit data pooling,” contributed talk, Interface 2000 Conference, New Orleans, April 2000.