

October 2, 2018

## CURRICULUM VITAE

**Rebecca C. Steorts**

Duke University, Department of Statistical Science

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### EDUCATION

- 2012                      **Ph.D.**, Statistics, University of Florida, Gainesville, FL  
Advisor: Malay Ghosh  
Thesis: *Bayes and Empirical Bayes Benchmarking for Small Area Estimation*,  
Honorable Mention (Second Place), **Leonard J. Savage Award**  
for best thesis in application
- 2005                      **M.Sc.**, Mathematical Sciences, Clemson University, Clemson, SC
- 2001                      **B.Sc.**, Mathematics, Davidson College, Davidson, NC

### PROFESSIONAL EXPERIENCE

#### Academic Appointments

- 2015 – present                      **Assistant Professor**  
Department of Statistical Science, Duke University  
Affiliated faculty in the Department of Computer Science,  
Department of Biostatistics and Bioinformatics,  
Information Initiative at Duke (iiD), and  
the Social Science Research Institute (SSRI) at Duke
- 2012-2015                      **Visiting Assistant Professor**  
Department of Statistics, Carnegie Mellon University  
Mentor: Stephen E. Fienberg

#### Other Appointments

- 2017 – present                      Principal Researcher, Research Mathematical Statistician  
U.S. Census Bureau
- 2014 – present                      Statistical Consultant, Human Rights Data Analysis Group (HRDAG)
- 2014                      Data Science Consultant, Food and Agricultural Organization (FAO)  
of the United Nations
- 2014                      Visiting Scholar at the University of Trier,  
Department of Economics and Social Sciences
- 2014                      Visiting Scholar at the University of Rome “La Sapienza”,

2013 Department of Methods and Models for Economics, Geography and Finance  
Visiting Scientist in Summer at Census Program,  
U.S. Census Bureau, Washington D.C.

## HONORS AND AWARDS

2017 **NSF CAREER Award**

2015 **MIT Review Magazine's 35 Innovators Under 35**  
Humanitarian for software design in estimating death counts for the Syrian civil war  
[Feature video at EmTech, Boston, MA](#)  
[Feature piece in MIT Review, October, 2015](#)  
[Feature piece by the Human Rights Data Analysis Group \(HRDAG\)](#)

2013 Honorable Mention (Second Place) for best thesis in applied methodology,  
**Leonard J. Savage Award**, International Society for Bayesian Analysis

2010-2012 United States Census Bureau Dissertation Fellowship Program

## PUBLICATIONS

### Peer-reviewed Publications (all after 2015 published at Duke University)

(\* student or postdoctoral fellow supervised by RCS)

1. Datta, G., Ghosh, M., **Steorts, R.** and Maples, J. (2011). Bayesian Benchmarking with Applications to Small Area Estimation, *TEST*, **20**(3) 574–588, [doi:10.1007/s11749-010-0218-y](#).
2. **Steorts, R.** and Ghosh, M. (2013). On Estimation of Mean Squared Errors of Benchmarked Empirical Bayes Estimators, *Statistica Sinica*, **23**(2) 749–767, [arxiv:1304.1600](#), [doi:10.5705/ss.2012.053](#).
3. Ghosh, M. and **Steorts, R.** (2013). Two-stage Bayesian Benchmarking as Applied to Small Area Estimation, *TEST*, **22**(4) 670–687, [arxiv:1305.6657](#), [doi: 10.1007/s11749-013-0338-2](#).
- [1] 4. **Steorts, R.**, Hall, R. and Fienberg, S. (2014). SMERED: A Bayesian Approach to Graphical Record Linkage and De-duplication, **33** 922–930: *Artificial Intelligence and Statistics (AISTats)*, [arxiv:1403.0211](#).
- [5] 5. **Steorts, R.**, Ventura, S., Sadinle, M. and Fienberg, S. (2014). Blocking Comparisons for Record Linkage, *Privacy in Statistical Databases (Lecture Notes in Computer Science 8744)*, ed. J. Domingo-Ferrer, Springer, 253-268; [arxiv:1407.3191](#), [doi:10.1007/978-3-319-11257-2\\_20](#).
- [3] 6. **Steorts, R.** (2015). Entity Resolution using Empirically Motivated Priors, *Bayesian Analysis*, **10**(4) 849–875, [arxiv:1409.0643](#), [doi:10.1214/15-BA965SI](#), **Finalist for Lindley Prize**.

7. Wehbe, L.\*, Ramdas, A.\*, **Steorts, R.** and Shalizi, C.R. (2015). Regularized Brain Reading with Smoothing and Shrinkage Using Bayesian and Frequentist Methods, *Annals of Applied Statistics*, **9**:4 (1997-2022); [arxiv:1401.6595](#), [doi:10.1214/15-AOAS837](#).
- [2] 8. **Steorts, R.**, Hall, R., and Fienberg, S.E. (2016). A Bayesian Approach to Graphical Record Linkage and De-duplication, *Journal of the American Statistical Association*, **111**:516 (1660-1672); [arxiv:1312.4645](#), [doi:10.1080/01621459.2015.1105807](#).
- [4] 9. Zanella, G.\*, Betancourt, B.\*, Wallach, H., Miller, J., Zaidi, A.\*, and **Steorts, R.** (2016). Flexible Models for Microclustering with Applications to Entity Resolution, *Neural Information Processing Systems (NIPS)*, 1417–1425, [arxiv:1610.09780](#).
- [6] 10. **Steorts, R.**, Barnes, M.\*, and Neiswanger, M.\* (2017). Performance Bounds for Graphical Record Linkage, *Proceedings of the 20th International Conference on Artificial Intelligence and Statistics (AISTats)*, 54:298–306, Editors: Aarti Singh and Jerry Zhu, [arxiv:1703.02679](#).
- [10] 11. Durante, D., Mukherjee, N.\*, and **Steorts, R.** (2017). Bayesian Learning of Dynamic Multilayer Networks, *Journal of Machine Learning Research*, **18**:43 (1-29); [arxiv:608.02209](#).
- [7] 12. Chen, B.\*, Shrivastava, A., and **Steorts, R.** (2018), Unique Entity Estimation with Application to the Syrian Conflict, *Annals of Applied Statistics*, **12**:2 (1039-1067); [arxiv:1710.02690](#), [doi:10.1214/18-AOAS1163](#).
13. **Steorts, R.**, Tancredi, A., and Liseo, B. (2018). Generalized Bayesian Record Linkage and Regression with Exact Error Propagation. *Privacy in Statistical Databases (Lecture Notes in Computer Science 11126)*, eds. Domingo-Ferrer J., Montes F., Springer, 297-313; [doi:10.1007/978-3-319-99771-1\\_20](#).
14. **Steorts, R.** and Shrivastava, A. (2018). Probabilistic Blocking with An Application to the Syrian Conflict. *Privacy in Statistical Databases (Lecture Notes in Computer Science 11126)*, eds. Domingo-Ferrer J., Montes F., Springer, 297-313, Springer, 314-327; [doi:10.1007/978-3-319-99771-1\\_21](#).
15. Bedoya, A.D., Clement, M.E., Phelan, M., **Steorts, R.C.**, O’Brien, C., Goldstein, B.A. (2018). Minimal Impact of Implemented Early Warning Score and Best Practice Alert for Patient Deterioration. *Critical Care Medicine*, In Press.

#### Invited Papers and Discussions (all after 2015 published at Duke University)

16. **Steorts, R.** and Ugarte, D.M. (2014). Discussion of “Single and Two-Stage Cross-Sectional and Time Series Benchmarking Procedures for SAE,” *TEST*, **23** :680–685, [arxiv:1405.6416](#), [doi: 10.1007/s11749-014-0386-2](#).
17. Fienberg, S. and **Steorts, R.** (2014). Discussion of “Estimating the Distribution of Dietary Consumption Patterns,” *Statistical Science*, **29** 1:95–96, [arxiv:1403.0566](#), [doi:10.1214/13-STS448](#).

18. Betancourt, B.\* and **Steorts, R.** (2018). Bayesian Decision Making with Application to Resource Allocation, *Wiley StatsRef-Statistics Reference Online*, (eds. N. Balakrishnan, T. Colton, B. Everitt, W. Piegorisch, F. Ruggeri and J. L. Teugels). [doi:10.1002/9781118445112.stat07856](https://doi.org/10.1002/9781118445112.stat07856).

#### **Peer-Reviewed Workshop Papers (all after 2015 published at Duke University)**

19. Hall, R., **Steorts, R.** and Fienberg, S. (2012). Bayesian Parametric and Nonparametric Inference for High Dimensional Multiple Record Linkage, NIPS *Modern Nonparametric Methods in Machine Learning* workshop paper.
20. Broderick, T. and **Steorts, R.** (2014). Variational Bayes for Merging Noisy Databases, NIPS Workshops in *Advances in Variational Inference*, NIPS, [arxiv:1410.4792](https://arxiv.org/abs/1410.4792).
21. Miller, J., Betancourt, B.\*, Zaidi, A.\*, Wallach, H. and **Steorts, R.** (2015). The Microclustering Problem: When the Cluster Sizes Don't Grow with the Number of Data Points, NIPS *Bayesian Nonparametrics: The Next Generation Workshop Series*, [arxiv:1512.00792](https://arxiv.org/abs/1512.00792), **Top Five Best Workshop Papers**.

#### **Publications Under Review and In Preparation (all work done after joining Duke University)**

- [8] 22. **Steorts, R.**, Schmid, T., and Tzavdis, N. (2018). Smoothing and Benchmarking for Small Area Estimation with Application to Rental Prices in Berlin, Submitted.
- [9] 23. Bai, L.\* , Karwa. V., Slavkovic, A., and **Steorts, R.** (2018). Privacy Preserving Algorithm to Release Sparse High-dimensional Histograms, Submitted.
24. Marchant, N., **Steorts, R.**, Kaplan, A.\*, Rubenstein, B., and Elzar, D. (2018). d-blink: Distributed End-to-End Bayesian Entity Resolution, Submitted.
25. Andee Kaplan\*, Brenda Betancourt\*, and **Steorts, R.** (2018). Posterior Prototyping: Bridging the Gap between Record Linkage and Regression, Submitted.
26. Mosaferi, S.\* and **Steorts, R.** (2017), Transformed Fay-Herriot Model with Measurement Error in Covariates with Application to Employment Data, In Preparation.
27. Shen, A.\* , McCreanor, R.\* , Phelan, M., O'Brien, C., **Steorts, R.**, and Goldstein, B. (2018). Developing a Prediction Model with Dynamic Electronic Health Records Data, In Preparation.
28. Brenda Betancourt\*, Giacomo Zanella, and **Steorts, R.** (2018). Generalized Microclustering Models, In Preparation.

## GRANTS (all after 2015 obtained at Duke University)

1. CAREER: Scalable Record Linkage through the Microclustering Property, NSF-SES – 1652431, \$449,985, 05/15/17–04/15/22. Role: PI.
2. Record Linkage and Privacy-Preserving Methods for Big Data, NSF-SES – 1534412, \$265,579; 07/28/15–08/31/18. Role: co-PI.
3. NCRN-MN:Triangle Census Research Network, NSF-SES SES-1131897, PI: Reiter, \$4,087,370 over 10/01/2011– 09/30/2017. Role: Investigator.
4. Big Data Analytics Applied to Tracking and Cybersecurity, Laboratory for Analytic Sciences at North Carolina State University (NCSU), \$105,739 over 01/01/2017–12/31/2017. Role: PI.
5. Synthetic Data Release: The Tradeoff Between Privacy and Utility of Big Data, Laboratory for Analytic Sciences at NCSU, \$85,000 over 01/01/2015–12/31/2016. Role: PI.
6. Incorporating Dynamic Electronic Health Records Data Into a Model for Patient Deterioration, Collaborative Quantitative Approaches to Problems in the Basic and Clinical Sciences seed funding program, Duke University, \$40,000, 2016-2017. Role: co-PI.
7. [Computationally Scalable Statistical Methods for High Dimensional Record Linkage](#), The University of Chicago Metaknowledge Lab and the Templeton Foundation), \$135,000; 2015-2016. Role: PI.
8. MIDAS Informatics Services Group—The iSG, NIH, PIs: Wagner, Espino (University of Pittsburgh), Brown (CMU), \$234,936 over 8/1/14–06/01/2015. Role: Investigator.
9. Census Research Node: Data Integration, Online Data Collection, and Privacy Protection for Census 2020, NSF SES-1130706, \$256,857 over 10/1/11–06/01/2015. PIs: Fienberg/Eddy. Role: Investigator.
10. Statistics and Machine Learning for Scientific Inference, NSF DMS-1043903, \$433,261 over 7/15/11–06/01/2015. PI: Kass. Role: Investigator.

## SOFTWARE AND PRODUCTS (all after 2015 done at Duke University)

1. `cd`, `cora`, `restaurants` (2018) Record Linkage Database R Packages. Storing publicly available record linkage data sets on CRAN for public dissemination, Available at [cd](#), [cora](#), [restaurant](#). Developed by Srini Sunil, Andee Kaplan, and Rebecca C. Steorts.
2. `blink` (Updated 2017) Empirical Bayes Record Linkage and De-duplication R software. Available at [github](#) and [CRAN](#). Developed and coded by Rebecca C. Steorts.
3. `italy` (Updated 2017). Record Linkage Database R Packages. Storing publicly available record linkage data sets on CRAN for public dissemination, Available at [github](#) and [CRAN](#). Developed by Rebecca C. Steorts.
4. (Updated 2017) Microclustering software R, C++ software. Developed and coded by Brenda Betancourt, Jeffrey W. Miller, and Rebecca C. Steorts.

5. SMERED (Updated 2016) Record Linkage and De-duplication Java software (*SMERED*) with post-processing software in R. Developed and coded by Rebecca C. Steorts and Rob Hall. <https://bitbucket.org/resteorts/smered/>.
6. (Updated 2015) Faculty member of Models of Infectious Disease Agent Study (MIDAS) Group (joint with Pittsburgh Bioinformatics). MIDAS scientists are creating synthetic ecosystems that endeavor to contain multiple populations useful for agent based models. Developed and coded by Shannon Gallagher, Jerzy Wieczorek, Lee Richardson, Rebecca C. Steorts, and William F. Eddy, <http://www.epimodels.org/drupal/?q=node/32>.

## MENTORING

### *Postdoctoral Advisees*

Andee Kaplan	2017 – present
Brenda Betancourt (Bernstein-Forster Fellowship)	2015 – 2018
Nabanita Mukherjee	2015 – 2016

### *Master's Advisees*

Qiaohui Lin	2016 – 2018
Bai Li	2015 – 2017
Reuben McCreanor (Statistical Science, MSEM)	2015 – 2017
Sepideh Mosaferi (CMU Statistics)	2012, joint with Steve Fienberg

### *Undergraduate advisees*

Bihan Zhuang	2018 – present
Ritika Bharati	2017 – present
Srinivas Sunil	2017 – present, joint with Andee Kaplan
Angie Shen	2016 – present, joint with Ben Goldstein
Corey Vernot	2016 – 2017
Peter Sadosky	2014 – 2015
Emily Furnish (CMU Statistics)	2013 – 2014, joint with Steve Fienberg
Stephanie Stern (CMU Statistics)	2013 – 2014
Kairavi Chahal (CMU Statistics)	2013
Dahiana Jiminez (CMU Statistics)	2013

### *Doctoral thesis committee*

Ye Wang	2018
Jody Heck Wortman	2016 –
Matt Barnes (CMU Robotics), External Member	2017– 2018
Mauricio Sadinle (CMU Statistics)	2013–2015
Samuel Ventura (CMU Statistics)	2013–2015
Rafael Stern (CMU Statistics)	2013–2015
Zachary Kurtz (CMU Statistics)	2012–2014

### *Preliminary oral committee*

Lindsay Berry (Statistical Science)	2017
Jody Heck Wortman (Statistical Science)	2016
Luke Calkins (Pratt School of Engineering)	2017

### *Master thesis committee*

Sophie Yu (Duke Statistical Science)	2017
Bai Li (Duke Statistical Science)	2017
Reuben McCreanor (Duke Statistical Science)	2017

### *Undergraduate thesis committee*

Lucy Lu (Statistical Science)	2017
Peter Sadosky (CMU Statistics)	2015
Michael Pane (CMU Statistics)	2013

## **TEACHING EXPERIENCE AT DUKE**

<b>STA 325</b>	Machine Learning and Data Mining (Fall 2016 – )
<b>STA 790</b>	Special Topics: Record Linkage (Fall 2017)
<b>STA 360/602</b>	Modern Advancements of Bayesian Methods (Spring 2016 – )
<b>STA 521</b>	Predictive Modeling (Fall 2015)

## **PROFESSIONAL APPOINTMENTS AND SERVICE**

### **EDITORIAL ACTIVITIES**

#### **Editorial Boards**

Associate Editor, *Journal of Survey Statistics and Methodology* (Fall 2018 – )

**Peer Review Activities** *AIStats*; *Annals of Applied Statistics*; *Computational Statistics and Data Analysis*; *International Conference in Machine Learning (ICML)*; *Journal of Agricultural, Biological, and Environmental Statistics*; *Journal of the American Statistical Association*; *Data Mining and Knowledge Discovery*; *Journal of Machine Learning Research*; *Journal of Official Statistics*; *Journal of Privacy and Confidentiality*; *Journal of Multivariate Analysis*; *Journal of the Royal Statistical Society, Series A*; *Journal of Survey Statistics and Methodology*; *Journal of Statistical Planning and Inference*; *Neural Information Processing Systems (NIPS)*; *Proceedings of the National Academia of Sciences of the United States*; *PLOS ONE*; *Statistical Methods and Applications*; *Statistics in Medicine*; *TEST*; *Springer Publishing, New York*; *Transactions of Knowledge and Data Engineering*.

### ***Grant Reviews***

2018	National Science Foundation Panel, CISE/MMS
2015, 2017	National Science Foundation

### ***Conference, Workshop, and Professional Service***

2018	Area Chair, Women in Machine Learning (WiML) Workshop, Montreal, Canada
2018	Organizing Committee, Workshop on Bayes, Big Data and Social Good, Marseille, France
2017–2018	Organizing Committee, IISA International Conference on Statistics
2017	Session chair, AISTATS
2012, 2014, 2016	Session organizer for topic-contributed sessions at JSM
2014 – 2015	Invited Program Committee Member: IEEE ICDM (International Conference on Data Mining) Workshop on Data Integration and Applications (DINA)
2014 – present	American Statistical Association’s Committee on Scientific Freedom and Human Rights
2016 – present	Invited ICML, NIPS Program Committee
2015	Invited Program Committee Member, NIPS, Nonparametric Bayesian Workshop
2014 – present	Invited AISTATS Program Committee
2014	Organizing Committee of the Frontier of Hierarchical Modeling in Observational Studies, Complex Surveys, and Big Data: A Conference Honoring Professor Malay Ghosh; College Park, MD
2013, 2015	Session organizer for invited sessions at JSM

### **UNIVERSITY SERVICE**

2018 – present	Faculty sponsor of MLBytes: Undergraduate seminar series at Duke and iiD
2018 – present	Faculty sponsor of Datathon: Coding event for undergraduates at Duke
2018	MIDS Panel on Data Science
2018 – present	Founder of Duke Undergraduate Machine Learning Day
2017 – present	Faculty Advisor of Duke Undergraduate Machine Learning
2017 – present	Faculty Advisory Board of the Duke Human Rights Center
2016 – 2018	Graduate Admission Committee, Department of Statistical Science
2015 – 2017	Tenure Track Search Committee, Department of Statistical Science
2015 – 2017	Seminar Series Coordinator, Department of Statistical Science
2015 – present	Duke Machine Learning Seminar Committee, IID
2015 – 2016	Departmental Computing Committee: Department of Statistical Science
2013 – 2015	Co-chair of Faculty Seminars, Carnegie Mellon University, Chair 2014–2015
2013 – 2015	Co-organizer of event planning committee, Carnegie Mellon University
2012 – 2013	Committee of Graduate Admissions, Carnegie Mellon University, Department of Statistics



## PRESENTATIONS

### Invited Short Courses

1. (2018) [An Introduction to Modern Record Linkage](#). Short Course (1-hour short course). Duke Undergraduate Machine Learning Day.
2. (2018) [An Introduction to Modern Record Linkage](#). Short Course (6-hour short course). CIMAT, Guanajuato, Mexico; U.S. Census Bureau. (Joint with Andee Kaplan, Breda Betancourt, and Beidi Chen).
3. (2016) [Teaching Bayes: the Essential Parts](#). Short Course (3-hour short course), ISBA World Meeting, Sardinia, Italy. Sardinia, Italy.
4. (2014) *An Introduction to Privacy and Statistical Disclosure*. Short Course at the Universite Paris Dauphine, Mathematiques, Apprentissage et Sciences Humaines (MASH), 12-hour course, Paris, France.
5. (2011) *Fundamentals and Applications of Bayesian Analysis*. Short Course (12-hour course), joint with Malay Ghosh, Novartis Oncology Global Development, Florham Park, NJ.

### Invited Seminars and Conference Presentations

1. (2018) Invited Talk, Bayesian Statistics in the Big Data Era, Centre International de Rencontres Mathematiques, Marseille, France (upcoming)
2. (2018) Invited Talk, Workshop in Big Data and Social Good, Centre International de Rencontres Mathematiques, Marseille, France (upcoming)
3. (2018) Invited Talk, Privacy in Statistical Databases (PSD), Valencia, Spain
4. (2018) Invited Talk, JSM, Vancouver, CA
5. (2018) Invited Talk, 2018 International Workshop on Survey Statistics and Big Data, Nancheng, China
6. (2018) Invited Talk, International Small Area Meeting honoring Danny Pfefferman, Shanghai, China
7. (2018) IISA International Conference on Statistics, Gainesville, FL
8. (2018) Keynote Speaker, Undergraduate Machine Learning Day, Duke University, Durham, NC
9. (2018) Faculty Seminar, University of Michigan, Department of Biostatistics
10. (2018) Plenary FCSM/WW Workshop on Quality of Integrated Data, Bureau of Labor Statistics, Washington, DC
11. (2017) IISA International Conference on Statistics, Hyderabad, India
12. (2017) Center for Survey and Research Methodology Seminar, U.S. Census Bureau, Suitland, MD
13. (2017) Faculty Seminar, University of Florida, Gainesville, FL

14. (2017) International Seminar on Data Editing, Imputation and Non Response, Plenary Talk, CIMAT, Guanajuato, Mexico
15. (2017) Faculty Seminar, Harvard University, Department of Statistics and Biostatistics,
16. (2017) INFORMS Healthcare, Rotterdam, Netherlands
17. (2017) BISP, Keynote Talk, Bocconi University, Milano, Italy
18. (2017) [Data Plus and Department of Computer Science Undergraduate Seminar](#), Information Initiative at Duke (iiD), Duke University
19. (2017) AISTATS, Fort Lauderdale, Florida
20. (2017) Weekly Research Meeting, Laboratory for Analytic Sciences, NC State University
21. (2016) Neural Information and Professing Systems, Barcelona, Spain
22. (2016) Faculty Seminar, Center for Language and Speech Processing, Johns Hopkins University
23. (2016) Faculty Seminar, Cambridge Biostatistics Unit
24. (2016) Isaac Newton Programme: Data Linkage and Anonymization, Cambridge, UK
25. (2016) Invited Round Table Discussion, JSM, Chicago, IL
26. (2016) Invited Privacy Talk, JSM, Chicago, IL
27. (2016) Faculty Seminar, Bocconi University, Milano, Italy
28. (2016) Statistical Learning and Data Mining (SLDM) Conference, University of North Carolina at Chapel Hill, Chapel Hill, NC
29. (2016) Faculty Seminar, The University of Chicago, The Computational Institute, Chicago, IL
30. (2016) NISS Affiliates Meeting, Austin, TX
31. (2016) Late Breaking News Session, Sixth IMS-ISBA joint meeting Bayes Comp at MCM-Ski V, Lenzerheide, Switzerland
32. (2015) Spotlight presentation, Neural Information and Professing Systems, Bayesian Non-parametrics: The Next Generation Workshops, Montreal, Canada.
33. (2015) Spotlight presentation, EmTech, MIT Media Lab, Boston, MA
34. (2015) Joint Machine Learning MIT & Microsoft Research Seminar, Boston, MA
35. (2015) FOCUS Interdisciplinary Discussion Course For Duke Freshman, Durham, NC
36. (2015) Invited Session at JSM, Boston, MA
37. (2015) Faculty Seminar, University of Padua, Padua, Italy
38. (2015) ITACOSM 2015, 4th ITALian Conference on Survey Methodology, Rome, Italy
39. (2015) [IMS-Microsoft Research Workshop: Foundations of Data Science](#), Boston, MA
40. (2015) NCRN Spring Meeting, National Academy of Science, Washington, DC

41. (2015) Discussion of *Doing Data Science, Straight Talk from the Frontline* by Rachel Schutt, Chief Data Scientist and Senior Vice President of *NewsCorp*, Special Invited Session ENAR, Miami, FL
42. (2015) Faculty Seminar, Duke University Computer Science, Durham, NC
43. (2015) Faculty Seminar, University of North Carolina at Chapel Hill, Department of Biostatistics, Chapel Hill, NC
44. (2015) Faculty Seminar, Duke University, Department of Statistical Science, Durham, NC
45. (2015) Faculty Seminar, University of California at Berkeley, Statistics Department, Berkeley, CA
46. (2015) Faculty Seminar, University of Minnesota, Statistics Department, Minneapolis, MN
47. (2015) Faculty Seminar, Pennsylvania State University, Statistics Department, State College, PA
48. (2015) Faculty Seminar, Texas A&M University, Statistics Department, College Station, TX
49. (2015) Faculty Seminar, Florida State University, Statistics Department, Tallahassee, FL
50. (2014) Faculty Seminar, The Hopkins Department of Biostatistics, Baltimore, MD
51. (2014) Faculty Seminar, Cornell University, Department of Statistical Science, Ithaca, NY
52. (2014) Faculty Seminar, Bayes in Paris Seminar, Universite Paris Dauphine, Paris, France
53. (2014) Faculty Seminar, University of Minnesota, Department of Biostatistics, Minneapolis, MN
54. (2014) Privacy and Statistical Databases Conference, Ibiza, Spain
55. (2014) Faculty Seminar, University of Trier, Department of Economics and Social Statistics, Trier, Germany
56. (2014) NSF-Census Research Network Annual Meeting, New York, NY
57. (2014) Small Area Estimation Conference, Poznan, Poland
58. (2014) Faculty Seminar, School of Economics, La Sapienza, Universita di Roma, Roma, Italy
59. (2014) Computational Methods for Surveys and Census Data in the Social Sciences, University of Montreal, Montreal, Canada
60. (2014) Frontier of Hierarchical Modeling in Observational Studies, Complex Surveys, and Big Data: A Conference Honoring Professor Malay Ghosh, College Park, MD
61. (2014) Joint Conference in Data Mining in Business and Industry, Duke University, Durham, NC
62. (2014) Seventeenth International Conference on Artificial Intelligence and Statistics, Reykjavik, Iceland
63. (2014) Faculty Seminar, Columbia University, Department of Statistics, New York, NY
64. (2014) Faculty Seminar, Columbia University, Department of Applied Mathematics and Physics, New York, NY
65. (2014) Faculty Seminar, Iowa State University, Department of Statistics

66. (2014) Faculty Seminar, Carnegie Mellon University, Department of Statistics, Pittsburgh, PA
67. (2014) SAMSI Workshop: Censuses and Surveys, Washington, DC
68. (2013) Invited Small Area Estimation Talk, JSM, Montreal, Canada
69. (2013) 5th IMS New Researchers Conference, Montreal, Canada
70. (2013) Center for Survey and Research Methodology Seminar, U.S. Census Bureau, Suitland, MD
71. (2013) Faculty Seminar, UCLA, Los Angeles, CA
72. (2013) Faculty Seminar, Duke University, Department of Statistical Science, Durham, NC
73. (2012) Faculty Seminar, Pennsylvania State University, Department of Statistics, State College, PA
74. (2012) Faculty Seminar, Michigan State University, Department of Statistics and Probability, Lansing, MI
75. (2012) Fields Institute Symposium on the Analysis of Survey Data and Small Area Estimation in honour of the 75th Birthday of Professor J.N.K. Rao, Carleton University, Ottawa, Canada
76. (2012) Faculty Seminar, Carnegie Mellon University, Department of Statistics, Pittsburgh, PA
77. (2012) Faculty Seminar, University of Missouri, Department of Statistics, Columbia, MO
78. (2012) Faculty Seminar, Clemson University, Department of Mathematical Sciences, Clemson, SC
79. (2012) Faculty Seminar, Bucknell University, Lewisburg, PA
80. (2012) Faculty Seminar, Wake Forest University, Winston Salem, NC
81. (2012) Faculty Seminar, Williams College, Williams, MA
82. (2011) Center for Survey and Research Methodology Seminar, U.S. Census Bureau, Suitland, MD

### **Contributed Conference Presentations and Posters**

1. (2017) BNP Poster Session, Paris, France
2. (2014) G70: A Celebration of Alan Gelfand's 70th Birthday, Duke University, Durham, NC
3. (2014) Neural Information Processing Systems, Advances in Variational Inference Workshop, Montreal, CA
4. (2014) Bayes 250 and O'Bayes Meeting, Duke University, Department of Statistical Science
5. (2014) The First Asian ISI Satellite Meeting on Small Area Estimation, Bangkok, Thailand
6. (2014) NSF-Census Research Network Poster Session, NISS Headquarters, Research Triangle Park, NC

7. (2013) New Directions in Monte Carlo Methods Workshop, University of Florida, Gainesville, FL
8. (2012) Women in Machine Learning Workshop, NIPS, Lake Tahoe, NV
9. (2012) Poster Presentation and NIPS Workshops Spotlight and Poster Presentation, NIPS, Lake Tahoe, NV
10. (2012) Contributed Small Area Estimation Talk, JSM, San Diego, CA
11. (2012) ISBA 2012 World Meeting, Kyoto, Japan
12. (2012) Faculty Seminar, University of Florida, Gainesville, FL
13. (2011) Contributed Small Area Estimation Talk, JSM, Miami, FL
14. (2010) Contributed Small Area Estimation Talk, JSM, Vancouver, BC
15. (2010) University of Florida, Department of Statistics Graduate Student Seminar, Gainesville, FL