

MICHAEL D. LARSEN

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Larsen Statistics, LLC 2015 June
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Education:

1996	Ph.D. in Statistics	Harvard University, Cambridge, MA
1993	M.A. in Statistics	Harvard University, Cambridge, MA
1991	B.A. in Mathematics, <i>cum laude</i>	Harvard University, Cambridge, MA

Professional Experience:

2009 - pres.	Associate Professor, Department of Statistics, The George Washington University, DC
2009 - pres.	Faculty member, Biostatistics Center, George Washington University, Rockville, MD
2003 - 2009	Assistant and Associate ('07-'09) Professor, Dept. of Statistics, Iowa State University, Ames, IA
2003 - 2009	Faculty, Center for Survey Statistics & Methodology, Iowa State University, Ames, IA
1999 - 2003	Senior Lecturer, Department of Statistics, The University of Chicago, Chicago, IL
2000 - 2002	Research Associate, NORC, The University of Chicago, Chicago, IL
1997 - 1999	Lecturer, Department of Statistics, Harvard University, Cambridge, MA
1992 - 1999	Mathematical Statistician, U.S. Census Bureau, Suitland, MD (5 summers)
1996 - 1997	Acting Assistant Professor, Department of Statistics, Stanford University, Stanford, CA

Honors and Awards: (since 2005)

2012	Elected, Fellow, American Statistical Association
2012	Distinguished Scholar, U.S. Census Bureau, DSMD
2011	Recognition plaque from U.S. Census Bureau. (2011 January).
2010	Elected member, International Statistical Institute
2008	1st place poster, American Council on Consumer Interests, Fletcher, Gundersen, Larsen, & Nusser
2008	ISU LAS Master Teacher, nomination by Department of Statistics
2007	ISU Faculty Senate representative (2007-09), Department of Statistics (elected)
2006	ISU Liberal Arts and Sciences Assembly representative for Statistics (2006-07, elected)

Editorial Positions: (since 2005)

2008 - 2010	Executive Editor, <i>CHANCE</i> magazine; 2011 - 2017, Advisory Editor
2014 - present	Associate Editor, <i>Journal of Systems Science and Complexity (JSSC)</i>
2013 - present	NIH, 2013-2016, Biostatistical Methods & Research Design (BMRD) Section
2013 - present	Associate editor, <i>Statistics and Public Policy</i>
2007 - present	Associate Editor, <i>Annals of Applied Statistics</i>
2005 - 2013	Associate Editor, <i>Journal of Official Statistics</i>
2006 - 2013	Associate Editor, <i>Journal of Statistics Education</i>

Committees, Boards: (selection since 2005)

2015 - 2018	Washington Statistical Society: Pres.-Elect, President, Past Pres. (elected)
2015 - 2017	ASA SRMS: Chair-Elect, Chair, Past-Chair (elected)
2011 - 2013	ASA SRMS Program Chair: PC-elect, PC, Past-PC (elected)
2015 - 2017	ASA Fellows Committee
2015 - 2017	NAS Standing Committee on Reengineering Census Operations
2014 - 2014	Steering committee, NAS CNSTAT workshop on nonprofit R&D for NSF
2011 - 2014	Sigma Xi, GWU Chapter, President
2010 - 2014	Executive Committee, NIH NIGMS, Modeling Scientific Workforce program
2009 - 2014	National Academy of Sciences Panel on Census 2010
2009 - 2011	Education Officer, Survey Research Methods Section, ASA (elected)
2006 - 2013	Executive Board Member, Survey Research Methods Section, ASA, also 2015-2017
2008 - 2010	Census Advisory Committee of Professional Associations, ASA Facilitator 2010
2008 - 2010	Committee on Publications, ASA
2006 - 2008	Council of Sections, Survey Research Methods Section, ASA (elected)

Conference session organizing: Frequent organizer of invited and contributed sessions for the American Statistical Association and other Conferences.

Referee/reviewer for: Government agencies, publishers, conferences, over 40 journals, and university dissertation and promotion committees. NIH BRMD Section (2013-2016).

Memberships:

American Statistical Association (ASA); American Association of Public Opinion Research (AAPOR); International Biometric Society (ENAR); Institute for Mathematical Statistics (IMS); International Statistical Institute (ISI); International Association of Survey Statisticians (IASS); Sigma Xi: The Scientific Research Society; International Society for Bayesian Analysis (ISBA)

Grant Funding as PI: (Current and Recent)

- Current funding as PI from U.S. Census Bureau, NIH NIGMS, NIH NIDDK, and NIH NICHD.
- Current funding as Co-Investigator from NIH NIDDK and DOE NIDDR.
- Past funding from National Security Agency (PI), NSF (PI), U.S. NCHS (PI), and U.S. Department of Agriculture (co-Investigator).

Book: Larsen, M.D. (2007). *Internet Companion for Statistics: Guide and Activities for the Web, second edition*, Duxbury Press. 1st edition in 2004.

Refereed Publications: (over 60 since 1998)

1. Sun, W., Larsen, M.D., and Lachin, J.M. (2014). Methods for a Longitudinal Quantitative Outcome with a Multivariate Gaussian Distribution Multi-dimensionally Censored by Therapeutic Intervention. *Statistics in Medicine*, 33(8): 1288-1306.
2. Paik, M., and Larsen, M.D. (2013). Handling nonignorable nonresponse with respondent modeling and the SIR algorithm. *Journal Statistical Planning and Inference*, 145: 179-189.
3. Larsen, M.D., Wakim, A.F., Rottach, R., and Cheng, Y. (2013). Nonparametric Comparisons of Current Population Survey Panel Estimates. *CHANCE*, v26n4, 35-41.
4. Paik, M., and Larsen, M.D. (2013). Weight Adjustments For Fractional Regression Hot Deck Imputation. *Communications in Statistics - Simulation and Computing*, 42(7): 1514-1532.
5. Kang, S.S., and Larsen, M.D. (2012). Tests of independence in incomplete multi-way tables using likelihood functions. *Journal of the Korean Statistical Society*, 41: 189-198.
6. Larsen, M.D., and Hockett, J. (2012). Multimethod Synthetic Data Generation for Confidentiality and Measurement of Disclosure Risk. *International Journal of Information Privacy, Security and Integrity*, 1(2/3): 184-204.
7. Kang, S.S., Koehler, K.J., and Larsen, M.D. (2012). Fractional Imputation for Incomplete Two-Way Contingency Tables. *Metrika*, 75(5): 581-599.
8. Kang, S.S., and Larsen, M.D. (2011). Tests of Independence with Incomplete Contingency Tables using Likelihood Functions. *Journal of Data Science*, 9(4): 487-500.
9. Larsen, M.D. (2011). Disc. "Calibrated Bayes" by R.J.A. Little. *Statistical Sci.*, 26(2): 175-178.
10. Larsen, M.D., and Hockett, J. (2010). Measuring Disclosure Risk for Multimethod Synthetic Data Generation. *IEEE International Conference on Privacy, Security, Risk and Trust*, 808-815.
11. Barnes, S.A., Larsen, M.D., Schroeder, D.R., Hanson, A., and Decker, P.A. (2010). Missing data assumptions and methods in a smoking cessation study. *Addiction*, 105(3): 431-437.
12. Larsen, M.D. (2008). Discussion of "Modeling and Predicting Probabilities with Outlooks": Prior information as prior observations and a mixture model. *Statistica Sinica*, 18(1): 69-75.
13. Larsen, M.D., and Lu, L. (2007). Comment on "Bayesian Checking of the Second Level of Hierarchical Models" by Bayarri and Castellanos: Cross-validated Posterior Predictive Checks Using Discrepancy Measures. *Statistical Science*, 22(3): 359-362.
14. Lahiri, P., and Larsen, M.D. (2005). Regression analysis with linked data. *Journal of the American Statistical Association*, 100, 222-230.
15. Larsen, M.D. (2004). Record linkage using finite mixture models. *Applied Bayesian Modeling and Causal Inference from Incomplete-Data Perspectives*, A. Gelman and XL. Meng, eds. 309-318.
16. Larsen, M.D., and Rubin, D.B. (2001). Iterative automated record linkage using mixture models. *Journal of the American Statistical Association*, 96, 32-41.

Nonrefereed Publications: Over 60 proceedings papers, newsletter articles, and magazine columns.

Graduate Students (sole or primary advisor):

18 MS (Chicago, ISU); 9 Ph.D. (4 ISU, 2 GWU, 3 GWU in progress)

Courses Taught: Over 45 courses 1996-2015, including Survey sampling at the MS and PhD level.