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PROFESSIONAL POSITIONS

2007 - Associate Professor, Department of Statistics and Center for Survey
Statistics & Methodology, Iowa State University
2003 - 2007 Assistant Professor, Department of Statistics and Center for Survey
Statistics & Methodology, Iowa State University
1999 - 2003 Senior Lecturer, Department of Statistics, The University of Chicago
2000 - 2002 Research Associate, NORC, The University of Chicago
1997 - 1999 Lecturer, Department of Statistics, Harvard University
1999 - 1999 Mathematical Statistician, PRED, U.S. Census Bureau (summer)
1998 - 1998 Mathematical Statistician, SRD, U.S. Census Bureau (summer)
1992 - 1994 Mathematical Statistician, SRD, U.S. Census Bureau (summers)
1995 - 1999 Consultant, The Gallup Organization, Inc.
1996 - 1997 Acting Assistant Professor, Department of Statistics, Stanford University

EDUCATION

1996 Ph.D. in Statistics, Harvard University
1993 M.A. in Statistics, Harvard University
1991 B.A. in Mathematics, *cum laude*, Harvard University

HONORS

1. ISU LAS Master Teacher, nomination by Department of Statistics. (2007).
2. International Federation of Classification Societies, Young Researcher Award. (2000).
3. Harvard University, Certificate of Distinction in Teaching, Derek Bok Center for Teaching and Learning, for teaching in Statistics 102, Introduction to Biostatistics, Spring 1993.

FUNDING

1. Gundersen, C. (PI), Larsen, M.D., Cutrona, C., Lorenz, F.O., Maiti, T., Nusser, S. (2008). Linking people to rural places. USDA National Research Initiative, Rural Development. 3 years. [PENDING]
2. Niehn, L. (PI), Larsen, M.D., and Anderson, D.G. (2008). Rural Community Resiliency: Role of the Retail Sector in Easing Sudden and Slow Motion Economic Shocks. USDA National Research Initiative, Rural Development. 9/1/08 - 8/31/11. [PENDING]
3. Larsen, M.D. (PI). (2007). Synthetic Data Methods For Confidentiality Protection. 7/1/07 - 6/30/08. U.S. Census Bureau. [PENDING]
4. Larsen, M.D., and Nusser, S.N. (2008). Advancing behavioral and social science research through interactive learning. New England Research Institutes. Book chapter. 11/26/07-11/25/08. [CURRENT]
5. Larsen, M.D. (PI), Gundersen, C., and Opsomer, J.D. (2006). USDA Economic Research Service Cooperative Agreement. Exploration of Issues in Rural Household Survey Design. 9/1/06 - 8/31/08. [CURRENT]

6. Gallus, W.A., Jr. (PI) Cervato, C., Cruz-Neria, C., and Greenbowe, T.J. (2006). Development of cutting edge geoscience virtual reality applications for classroom instruction and pedagogical evaluation of the impact on learning of VR technology. NSF Division of Undergraduate Education 8/15/06 - 8/14/09. Senior personnel. [CURRENT]
7. Larsen, M.D. (2005). *Internet Companion to Statistics*, 2nd edition. Thomson/Brooks/Cole publishing. 2005-2008. [CURRENT]
8. Kang, S., Larsen, M.D. (PI), and Lorenz, F.O. (2005). Fractional imputation in social surveys. NSF DMS, Mathematical Social and Behavioral Sciences #0532413. 8/16/05 - 8/15/08. [CURRENT]
9. Nusser, S.M. (PI), Opsomer, J.D., Maiti, T., Larsen, M.D., and Yu, C.L. (2007). Statistical and survey methods support for the National Resources Inventory, USDA Natural Resources Conservation Service. 1/1/07-3/31/08. Previous grants 2003-2007. [CURRENT].
 - 1/1/07-3/31/08. [CURRENT]
 - 1/1/06 - 1/31/07.
 - 9/1/04 - 12/31/05.
 - 9/1/04 - 12/31/04.
 - 9/24/03 - 1/23/05.
10. Carlson, S.L. (PI), Bird, S.R., Bowen, B.S., Bystydzienski, J., and Debinski, D.B. (2005). NSF ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers. NSF SBE 0600399. 9/1/06 - 8/31/11. Researcher on grant 9/1/06 - 9/13/07.
11. Larsen, M.D. (2006). Research on Interagency Data Sharing, Confidentiality, and Record Linkage. Subcontract to NISS on NSF EIA-0131884 (PI A. Karr). 7/1/06 - 6/30/07.
12. Larsen, M.D. (2005). Advanced record linkage using hierarchical mixture models applied to health survey and administrative data. U.S. NCHS, Professional Service Contract. 9/1/05 - 11/30/06.
13. Larsen, M.D. (2005). Record Linkage Research. U.S. Census Bureau, Professional Service Contract. 8/1/05 - 10/31/06.
14. Vardeman, S. (PI), and Larsen, M.D. (Co-PI). (2005). Research collaboration agreement with Iowa Department of Revenue. 8/16/05 - 8/15/06. .
15. Larsen, M.D. (2004). Advanced record linkage using hierarchical mixture models applied to health survey and administrative data. U.S. NCHS, Professional Service Contract. 9/1/04 - 8/31/05.
16. Larsen, M.D. (2004). Advanced Methods for Record Linkage. U.S. Census Bureau, Professional Service Contract, 6/1/04 - 8/31/05.
17. Larsen, M.D. (2004). Research on Interagency Data Sharing, Confidentiality, and Record Linkage. Subcontract to NISS on NSF EIA-0131884 (PI A. Karr). 9/1/04 - 8/31/05.
18. Larsen, M.D. (2002). *Internet Companion to Statistics*. Duxbury/Wadsworth/Thomson publishing, 2002-2005.
19. Larsen, M.D. (2001). Research on Record Linkage and Administrative Records. U.S. Census Bureau. Subcontract to NORC on Census Contract No. 50-YABC-7-66021, 2001-2002.
20. Larsen, M.D. (PI), and Zanutto, E.L. (2001). ITW: Collaborative Research: Statistical Methodology for Studying Women and Minorities in Information Technology Careers Using CPS and SESTAT Data. NSF ITWF grant #EIA0089930. 1/1/01 - 12/31/03.
21. Larsen, M.D. (1999). Research on Record Linkage and Administrative Records. U.S. Census Bureau. Consultant to Datametrics, subcontract to NORC. 1999-2000.

Internal funding

1. Gundersen, C. (PI), Fletcher, C., Larsen, M.D., and Nusser, S.M. (2007). The Impact of Biorenewable Technologies on Communities Across Iowa, Additional Funding. [CURRENT]
2. Gundersen, C. (PI), Fletcher, C., Larsen, M.D., and Nusser, S.M. (2007). The Impact of Biorenewable Technologies on Communities Across Iowa. Iowa State University's Bioeconomy Initiative College of Human Sciences Small Grant. 2/1/07 - 1/31/08. [CURRENT]
3. Larsen, M.D. (2006). Iowa State University, Faculty Senate Foreign Travel Grant. Present at *Privacy in Statistical Databases 2006* conference in Rome, Italy, December 13-15.
4. Froelich, A. (PI), and Larsen, M.D. (2006). TEACH grant. Center for Excellence in Learning and Teaching, Iowa State University. 11/1/06 - 6/30/07.
5. Gundersen, C. (PI), and Larsen, M.D. (2006). Health and Nutrition Among American Indians Living On-and-Off Reservations. College of Human Sciences, Iowa State University, Intramural Seed Grant Program. 4/1/06-6/30/06.
6. Froelich, A., and Larsen, M.D. (PI) (2005). Computer Instructional Material for Probability and Mathematical Statistics. Iowa State University, Liberal Arts and Sciences Computer Advisory Committee small grant for instructional improvement. 11/29/05 - 8/15/06.
7. Cutrona, C., Gundersen, C., Larsen, M.D., Lorenz, F.O., Maiti, T., Nusser, S.M., and Opsomer, J.D. (PI) (2005). Toward Eliminating the Rural Data Gap. ISU, Institute of Science and Society. 8/3/05 - 6/30/06.
8. Barnes, S.A. (PI), Larsen, M.D., Schroeder, D., Decker, P., Beebe, T., and Klesges, R. (2005). The effects of missing data in smoking cessation trials. Mayo Clinic, 4/1/05-9/1/05.
9. Larsen, M.D. (2005). Fractional and Multiple Imputation Methods for Missing Data in Sample Surveys. ISU, University Research Grant. 8/16/05 - 12/15/05.
10. Larsen, M.D. (2005). Stipend for research assistant. Iowa State University, LAS Small Grant Award. 6/1/05 - 6/30/05.
11. Larsen, M.D. (2004). Funds to invite speaker Jerry Reiter from Duke University. Iowa State University, LAS Small Grant Award. 1/16/04 - 5/15/04.
12. Larsen, M.D. (2003). Attend IMS-ASA's SRMS Joint Mini Meeting on Current Trends in Sample Surveys and Official Statistics (1/2-3/04) and the Fifth International Triennial Calcutta Symposium on Probability and Statistics (12/28-31/03), Kolkata, India. ISU, Faculty Senate Foreign Travel Grant.
13. Larsen, M.D. (2003). Incorporating the Internet into Introductory Statistics Courses. The University of Chicago, Center for Teaching and Learning, Instructional Improvement Grant. 6/1/03 - 9/30/03.
14. Larsen, M.D. (2001). The Introductory Statistics Infrastructure: Establishing the Basis for Excellence in and Continuing Improvement of Teaching. The University of Chicago, Center for Teaching and Learning, Instructional Improvement Grant. 6/1/01 - 9/1/01.

Major Consulting Projects

1. ASA Statistical Partnerships Among Academe, Industry, and Government (SPAIG) Committee. (2006-2007). ASA 2007 Salary Survey of Statisticians in Business, Industry, and Government.
2. Guy, B., Sitlington, P., and Frank, A. (2004-2008). Iowa's State Board of Education. Senior Exit Surveys and Transcript Studies.
3. DeHahn, L. (2005). Community Influences in Rural Adolescent Alcohol Use. Subcontract to NIH NIAAA grant at Calvin College, MI.
4. Hira, T.K. (2005-2006). College of Human Sciences, Department of Human Development and Family Studies. Survey of Minority Investors.

5. Walsh, J. (2005-2006). National Alliance for Media Arts and Culture. Mapping the Media Arts Field.
6. Cervato, C., Perham, T., and Gallus, W. (2005). Department of Geological and Atmospheric Sciences. Study of pedagogical benefits of a tornado simulator.
7. ASA Statistical Partnerships Among Academe, Industry, and Government (SPAIG) Committee. (2004-2005). ASA 2005 Salary Survey of Statisticians in Business, Industry, and Government.
8. Sherman, P. (2004-2005). Departments of Aerospace Engineering and Statistics. Characterization and Prediction of Public Attitudes Toward Terrorism. Funded by ISU Institute of Science and Society.
9. Coletti, J. (2003-2005). Natural Resource Ecology and Management, College of Agriculture, ISU. Shelterbelts and Hog Odor Mitigation Survey. USDA NRI grant.
10. Carlson, S. (2003). Office of the Provost at ISU. Study of Faculty Exit and Retention.

PUBLICATIONS

Books

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

Book chapters

1. Larsen, M.D. (2004). Record linkage using finite mixture models. *Applied Bayesian Modeling and Causal Inference from Incomplete-Data Perspectives*, A. Gelman and X-L. Meng, editors. 309-318.

Articles

Submitted

1. Larsen, M.D. (2008). A small data set for survey sampling based on Ten Apples Up On Top! *Journal of Statistics Education*.
2. Lavalle, B., Larsen, M.D., and Gundersen, C. (2008). RESEARCH SYNTHESIS: Research strategies for surveys of American Indians. *Public Opinion Quarterly*.
3. Lu, L., and Larsen, M.D. (2007). Variance Estimation for One-Per-Stratum Strata. *Journal of Official Statistics*.
4. Larsen, C.D., Larsen, M.D., Handwerker, L., Kim, M.S., and Rosenthal, M. (2008). A comparison of school-based and community-based dental clinics. *Journal of School Health*.
5. Larsen, M.D., Barnes, S.A., Schroeder, D.R., Hanson, A., and Decker, P.A. (2007). Missing data assumptions and methods in a smoking cessation study. *Communications in Statistics – Simulation and Computation*.

Under revision

1. Larsen, M.D., and Zhu, J. (2007). Propensity score and selection model evaluation of the income effect of contract farming in China. Under revision for *Food Policy*.
2. Larsen, M.D. (2007). Teaching Calculus-Based Mathematical Probability and Statistics with Internet Applications and R. Under revision for *Technology Innovations in Statistics Education*.

3. Kang, S.S., Koehler, K.J., and Larsen, M.D. (2007). Fractional imputation and tests of independence for incomplete two-way contingency tables. Under revision for *Computational Statistics and Data Analysis*.
4. Kang, S.S., Koehler, K.J., and Larsen, M.D. (2007). Fractional imputation for incomplete two-way contingency tables. *Communications in Statistics – Theory and Methods*. Under revision.

In Preparation

1. Lu, L., and Larsen, M.D. (2008). Combining benchmarked hierarchical Bayesian estimation with model selection. *Journal of the American Statistical Association*.
2. Paik, M.H., and Larsen, M.D. (2008). Fractional regression nearest neighbor imputation. *Biometrika*.
3. Paik, M.H., and Larsen, M.D. (2008). Weight adjustments for fractional hot deck imputation methods. *Journal of Computational and Graphical Statistics*.
4. Hockett, J., and Larsen, M.D. (2008). Synthetic Data for Disclosure Limitation using Regression Quantiles and Hot Deck. *Journal of Official Statistics*.
5. Larsen, M.D. (2008). Hierarchical Bayesian record linkage. *Bayesian Analysis*.
6. Gallus, W., Cervato, C., Earlham, T., Hobbs., and Larsen, M.D. (2007). Development of an assessment tool for learning about volcanoes. *Journal of Geoscience Education*
7. Gallus, W., Cervato, C., Earlham, T., Hobbs, J., and Larsen, M.D. (2008). Learning styles and sources of knowledge in undergraduate geosciences courses. *Journal of College Science Teaching*
8. Harding, C., Cervato, C., and Larsen, M.D. (2008). Exploring the use of 3D computer graphics for teaching relative geologic time concepts in large introductory geology classes. *Teaching Earth Science*.
9. Sitlington, P.L., Guy, B., Frank, A.R., and Larsen, M.D. (2008). Preparation for Employment: Students with and without IEPs. *Exceptional Children*.

Published and Accepted

1. Guy, B., Sitlington, P.L., Frank, A.R., and Larsen, M.D. (2008). Preparation for Employment: What Are High Schools Offering? *Career Development of Exceptional Individuals*. Accepted.
2. Larsen, M.D. (2008). Book review of *Data Quality and Record Linkage Techniques*, by T.N. Herzog, F.J. Scheuren, and W.E. Winkler. *Journal of Official Statistics*. Accepted.
3. Hewitt, K.A., and Larsen, M.D. (2008). Design of a survey of high school students in Iowa: Studying design choices using simulation. *Stats*. To appear.
4. Larsen, M.D. (2008). Discussion of “Modeling and Predicting Probabilities with Outlooks”: Prior information as prior observations and a mixture model. *Statistica Sinica*, 18, n1, 69-75.
5. 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, n3, 359-362.
6. Larsen, C.D., Stavisky, E., Larsen, M.D., and Rosenbaum, M. (2007). Children’s fingernail hygiene and length as predictors of carious teeth. *The New York State Dental Journal*, 73, 2, 33-37.
7. Larsen, M.D. (2006). Ideas for Secure Record Linkage. *Privacy in Statistical Databases 2006*. [CDROM]. CENEX-SDC Conference. Rome, Italy.
8. Larsen, M.D. (2006). Advice for new and student lecturers on probability and statistics. *Journal of Statistics Education*, 14 (1).
9. Lahiri, P., and Larsen, M.D. (2005). Regression analysis with linked data. *Journal of the American Statistical Association*, 100, 222-230.

10. Larsen, M.D. (2005). Latent class analysis of 1997 NSF SESTAT survey data on science PhDs. *Calcutta Statistical Association Bulletin*, 56, 189-208.
11. Gomatam, S., and Larsen, M.D. (2004). Record linkage and counterterrorism. *Chance*, 17 (1), 25-29.
12. Larsen, M.D. (2003). Estimation of small-area proportions using covariates and survey data. *Journal of Statistical Planning and Inference*, 112 (1-2), 89 - 98.
13. Larsen, M.D. (2002). Impact of latent class clustering of NSF doctoral survey data on adjusted Rand index values. *Statistics in Transition*, 5 (5), 843-856.
14. Larsen, M.D., and Rubin, D.B. (2001). Iterative automated record linkage using mixture models. *Journal of the American Statistical Association*, 96, 32-41.
15. Chattopadhyay, M., Lahiri, P., Larsen, M.D., and Reimnitz, J. (1999). Composite estimation of drug prevalences for sub-state areas. *Survey Methodology*, 25, 81-86.
16. Larsen, M.D. (1999). Analysis of a survey on smoking using propensity scores. *Sankhya B, Special Issue on Survey Sampling*, 61, 91-105.
17. Larsen, M.D. (1999). Identifying residents in administrative records that do not match the Census. *Turning Administrative Systems Into Information Systems*. Internal Revenue Service, Statistics of Income Publication 1299.
18. Hsieh, F.Y., Bloch, D.A., and Larsen, M.D. (1998). A simple method for sample size calculation for linear and logistic regression. *Statistics in Medicine*, 17, 1623-1634.

Refereed Proceedings, Edited Newsletter Articles, Edited Research Reports

1. Larsen, M.D. (2008). Chance v21n1. *American Statistician News*. March of 2008.
2. Larsen, M.D. (2007). The 2007 SPAIG salary survey. *American Statistician News*. July of 2007, pages 10-16.
3. Larsen, M.D., and Liu, J. (2005). Factors affecting clustering of 0-1 data. *Classification and Data Analysis 2005*, editors S. Zani and A. Cerioli, Fifth Scientific Meeting of the Classification and Data Analysis Group of the Italian Statistical Society, 401-404.
4. Larsen, M.D. (2004). Active learning of probability through contrasts. *Statistics Teachers Network Newsletter*, 65, 3-5.
5. Larsen, M.D. (1999). Predicting the residency status for administrative records that do not match census records. *Administrative Records Research Memorandum Series, #20*, Census Bureau, U.S. Department of Commerce.

Book reviews

1. Larsen, M.D. (2006). *Panel and Longitudinal Data: Analysis and Applications in the Social Sciences*, by E.W. Frees. *Journal of the American Statistical Association*, 101, 402.
2. Larsen, M.D. (2004). *Cross-Cultural Survey Methods*, Wiley, by J.A. Harkness, F.J.R. van de Vijver, and P.Ph. Mohler. *Journal of the American Statistical Association*, 99, 907.
3. Larsen, M.D. (2002). *The Psychology of Survey Response*, by R. Tourangeau, L.J. Rips, and K. Rasinski. *Journal of the American Statistical Association*, 97, 358-359.

Columns and Writing in CHANCE

1. Larsen, M.D. (2008). An Interview with Thomas Jabine, Retiring Puzzle Corner Editor. *Chance*, 21, 2, 63-63.
2. Larsen, M.D. (2008). Editor's Letter. *Chance*, 21, 2, 4-4.

3. Larsen, M.D. (2008). Editor's Letter. *Chance*, 21, 1, 5-5.

Definitions

1. Larsen, M.D. (2007). Optimal Allocation. *Encyclopedia of Survey Sampling*, Sage.
2. Larsen, M.D. (2007). Proportional Allocation. *Encyclopedia of Survey Sampling*, Sage.
3. Larsen, M.D. (2006). Cluster sampling. *Encyclopedia of Measurement and Statistics*, Sage.
4. Larsen, M.D. (2006). Convenience sampling. *Encyclopedia of Measurement and Statistics*, Sage.
5. Larsen, M.D. (2006). Latent class analysis. *Encyclopedia of Measurement and Statistics*, Sage.
6. Larsen, M.D. (2006). Nonprobability sampling. *Encyclopedia of Measurement and Statistics*, Sage.
7. Larsen, M.D. (2006). Quota sample. *Encyclopedia of Measurement and Statistics*, Sage.
8. Larsen, M.D. (2006). Record linkage. *Encyclopedia of Measurement and Statistics*, Sage.
9. Larsen, M.D. (2006). Three-card method. *Encyclopedia of Measurement and Statistics*, Sage.
10. Larsen, M.D. (2005). Revisions to entries on Mean, Median, Average, and Mode. *World Book Encyclopedia*. World Book, Inc.
11. Larsen, M.D. (2005). Revisions to entry on Statistics. *World Book Encyclopedia*. World Book.

UNREFEREED PROCEEDINGS

1. Hockett, J., and Larsen, M.D. (2007). Microdata simulation for confidentiality protection using regression quantiles and hot deck. *Proceedings of the Survey Research Methods Section, ASA*.
2. Larsen, M.D. (2007). The SPAIG salary survey. *Proceedings of the ASA*.
3. Larsen, M.D. (2007). Discussion of Confronting the Realities of Massive Imputation in Complex Surveys. *Proceedings of the Survey Research Methods Section, ASA*.
4. Paik, M., and Larsen, M.D. (2007). Weight Adjustments for Fractional Regression Hot Deck Imputation. *Proceedings of the Survey Research Methods Section, ASA*.
5. Lu, L., and Larsen, M.D. (2007). Small Area Estimation in a Survey of High School Students in Iowa. *Proceedings of the Survey Research Methods Section, ASA*.
6. Lu, L., and Larsen, M.D. (2007). Variance Estimation in a High School Student Survey with One-Per-Stratum Strata. *Proceedings of the Third International Conference on Establishment Surveys (ICES-III)*.
7. Kang, S., Koehler, K.J., Larsen, M.D. (2007). Partial Fully Efficient Fractional Imputation for Incomplete Contingency Tables with Covariates. *Proc. of the Biopharmaceutical Section, ASA*.
8. Hockett, J., and Larsen, M.D. (2007). Microdata Simulation for Confidentiality of Tax Returns Using Quantile Regression and Hot Deck. *Proceedings of the Third International Conference on Establishment Surveys (ICES-III)*.
9. Larsen, M.D. (2006). Record linkage, nondisclosure, counterterrorism, and statistics. *Proceedings of the Survey Methods Section, Canadian Statistical Society*.
10. Paik, M., Larsen, M.D., and Kang, S.S. (2006). Fractional imputation for missing values in linear regression models. *Proceedings of the Survey Research Methods Section, ASA*.
11. Larsen, M.D., Barnes, S.A., Decker, P., Schroeder, D., Klesges, R., and Van der Weg, M.W. (2006). Missing data assumptions and methods in smoking cessation trials. *Proceedings of the Survey Research Methods Section, ASA*.

12. Kang, S.S., Koehler, K.J., Larsen, M.D. (2006). Tests of independence with incomplete contingency tables using likelihood functions. *Proc. of the Survey Research Methods Section, ASA*.
13. Lu, L., and Larsen, M.D. (2006). A comparison of methods for a survey of high school students in Iowa. *Proceedings of the Survey Research Methods Section, ASA*.
14. Larsen, M.D., and Zanutto, E.L. (2006). Statistical methodology for studying women and minorities in information technology careers using NSF's SESTAT data. *Proceedings of the National Science Foundation Information Technology Workforce (ITWF) Spring Meeting*.
15. Larsen, M.D. (2005). Advances in record linkage theory. *Proceedings of the Survey Research Methods Section, ASA*.
16. Hewitt, K., and Larsen, M.D. (2005). Designing a sampling method for a survey of Iowa high school seniors. *Proceedings of the Survey Research Methods Section, ASA*.
17. Larsen, M.D., and Nirelli, L. (2005). Comparison of methods for handling missing data in a collegiate survey of tobacco use. *Proceedings of the Survey Research Methods Section, ASA*.
18. Larsen, M.D. (2005). Multiple imputation for cluster analysis. *Proceedings of the INTERFACE*. Interface Foundation of North America.
19. Larsen, M.D., and Liu, J. (2005). Factors affecting clustering of multivariate binary data. RC33 Sixth International Conference on Social Science Methodology 2004, Amsterdam, Netherlands. German Publisher Budrich-Verlag. 2nd Edition CDROM, 1-15.
20. Larsen, M.D. (2005). Comments on analyzing survey error with latent class models. March 18, 2005, NISS Workshop on Total Survey Error at the Bureau of Labor Statistics, Washington, D.C.
21. Larsen, M.D. (2004). Bayesian hierarchical modeling of NRI survey data. *Proceedings of the Survey Research Methods Section, ASA*.
22. Larsen, M.D. (2003). Comparison of Alternative Latent Class Clusterings of Survey Data. *Proceedings of the Social Statistics Section, ASA*, 2312-2317.
23. Larsen, M.D. (2002). Comments on hierarchical Bayesian record linkage. *2002 Proceedings of the Section on Bayesian Statistical Science, ASA*, 1995-2000.
24. Larsen, M.D. (2001). Methods for model-based record linkage and analysis of linked files. *Proceedings of the Government Statistics Section, ASA*.
25. Lahiri, P., and Larsen, M.D. (2000). Model-based analysis of records linked using mixture models. *Proceedings of the Survey Research Methods Section, ASA*, 11-19.
26. Larsen, M.D. (2000). Estimation of small-area proportions using survey weights. *Proceedings of the Government Statistics Section, ASA*.
27. Larsen, M.D. (1999). Identifying residents in administrative records that do not match the Census. *Proceedings of the Government Statistics Section, ASA*.
28. Larsen, M.D. (1999). Multiple imputation analysis of records linked using mixture models. *Proceedings of the Survey Methods Section, Statistical Society of Canada*. 65-71.
29. Larsen, M.D. (1997). Illustrations of Bayesian methods for comparing normal mixture models. *Proceedings of the Section on Bayesian Statistical Science, ASA*, 92-97.
30. Larsen, M.D. (1997). Modeling that uses experience in record linkage. *Record Linkage Techniques - 1997*. Federal Committee on Statistical Methodology, 81-94.
31. Chattopadhyay, M., Lahiri, P., Larsen, M.D., and Reimnitz, J. (1996). Methods for small area estimation of proportions. *Proc. of the Census Bureau Annual Research Conference*, 638-647.
32. Larsen, M.D. (1995). Bayesian methods for normal mixture models applied in psychology. *Proceedings of the Section on Bayesian Statistical Science, ASA*, 71-76.

33. Larsen, M.D. (1994). Data augmentation with Bayesian iterative proportional fitting applied to a Census Bureau latent-class problem. *Proc. of the Government Statistics Section, ASA*, 116-121.

TECHNICAL and METHODOLOGY REPORTS and WHITEPAPERS

1. Larsen, M.D. (2007). Record linkage, nondisclosure, counterterrorism, and statistics. Whitepaper. March 1, 2007. *NRC Committee on Technical and Privacy Dimensions of Information for Terrorism Prevention and Other National Goals*.
2. Larsen, M.D. (2006). Weighting and Data Analysis (Point Estimates) for Iowa State Board of Education Indicator 13 Study. CSSM Methodology Report. 28 pages. November 8, 2006.
3. Larsen, M.D. (2006). Instructions for 2006 Iowa State Board of Education Senior Exit Survey Weighting. CSSM Methodology Report. 22 pages. November 7, 2006.
4. Kang, S.S., Koehler, K., Larsen, M.D. (2006). Fractional imputation, variance estimation, and testing for incomplete two-way contingency tables. ISU, Statistics #06-04, 4/27/06.
5. Larsen, M.D., and Paik, M. (2005). Report on tornado learning study, 2002-2005. September 6, 2005. CHRONOS project. CSSM Methodology Report.
6. Larsen, M.D. (2005). Hierarchical Bayesian record linkage theory. ISU, Statistics #05-03, August 31, 2005.
7. Larsen, M.D. (2005). Local data survey instrument (LDSI) state resource inventory coordinator (SRIC) review for quality control in the National Resources Inventory. NRI Methodology Report.
8. Asplund, I.C., and Larsen, M.D. (2005). A regression approach for modeling rainfall soil erosion. National Resources Inventory. NRI Methodology Report.
9. Larsen, M.D. (2004). Bayesian hierarchical modeling of NRI survey data. National Resources Inventory. NRI Methodology Report.
10. Larsen, M.D. (2004). Comments on bioterrorism web study. November 8, 2004. CSSM Methodology Report.
11. Larsen, M.D. (2004). Latent class analysis of 1997 NSF SESTAT survey data on science PhDs. ISU, Statistics, #04-22, October 11, 2004.
12. Lahiri, P., and Larsen, M.D. (2004). Regression analysis with linked data. ISU, Statistics, #04-9, June 24, 2004.
13. Larsen, M.D. (2004). High school transcript study sample selection for Iowa's State Board of Education. April 21, 2004. CSSM Methodology Report.
14. Fishbein, H., Larsen, M.D., Chattopadhyay, M. (1999). Analyses of attitudes, behaviors, and knowledge among smoking-status subgroups in California. *The Gallup Organization, Inc.* 4/30/99.
15. Christiansen, E., Larsen, Max D., Larsen, Michael D., Sandoval, J.S.O. (1998). Attitudes towards smoking in a nationally representative survey of U.S. adults. *The Gallup Organization, Inc.*

PRESENTATIONS and POSTERS

Invited presentations

1. Regression Analysis of Linked Files, with Partha Lahiri. (2008). Statistical Society of Canada, Survey Methods Section.
2. Practical and theoretical considerations for linking survey data with other sources. (2008). Conference on matching the Survey of Doctorate Recipients.
3. The 2007 SPAIG Salary Survey. (2007). Collaboration between Academia, Industry, and Government in Statistical Sciences. SPAIG Committee, ASA.

4. Invited discussant. (2007). Discussion of Confronting the Realities of Massive Imputation in Complex Surveys. Survey Research Methods Section, ASA.
5. Missing data methods and smoking cessation trials. (2006). Biopharmaceutical Section, American Statistical Association, Seattle, Washington.
6. Record linkage and counterterrorism. (2006). Survey Methods Section, Statistical Society of Canada, Special Invited Talk, London, Ontario.
7. Multiple imputation for cluster analysis. (2005). Classification Society of North America and Interface Foundation, St. Louis, Missouri.
8. Bayesian hierarchical modeling of National Resources Inventory survey data. (2004). Survey Research Methods Section, American Statistical Association, Toronto, Canada.
9. Record linkage and counterterrorism. (2004). International Federation of Classification Societies, Chicago, Illinois.
10. Record linkage of administrative files and analysis of linked files. (2004). IMS-ASA's SRMS Joint Mini-Meeting on Current Trends in Survey Sampling and Official Statistics, Raichak, West Bengal.
11. Comparisons of clusterings of categorical survey data. (2003). Calcutta Statistical Association, Fifth International Triennial Calcutta Symposium, Calcutta, West Bengal, India.
12. Technical, legal, and organizational barriers to data linkage. (2003). National Academy of Sciences Workshop, Access to Research Data: Assessing Risks and Opportunities, Washington, D.C.
13. Internet sites and their use in introductory statistics. (2003). Beyond the Formula 7: A Conference About Teaching Introductory Statistics, Rochester, New York.
14. Using technology to connect topics and contrast scenarios. (2003). Beyond the Formula 7: A Conference About Teaching Introductory Statistics, Rochester, New York.
15. Hierarchical Bayesian linkage and regression in linked files. (2003). Machine Learning, Statistics and Discovery. AMS-IMS-SIAM Joint Summer Research Conference, Snowbird, Utah.
16. Computerized record linkage using mixture models. (2003). National Academies of Sciences Conference, Statistical Issues in Counterterrorism, Washington, D.C.
17. Evaluations of estimators of small-area proportions of drug and alcohol use. (2001). International Conference on Small-Area Estimation and Related Topics, Potomac, Maryland.
18. Model-based analysis of records linked using mixture models. (2000). Government Statistics Section, American Statistical Association, Indianapolis, Indiana. Presented by P. Lahiri.
19. Clustering multivariate incomplete data using mixture models. (2000). International Federation of Classification Societies, Namur, Belgium.
20. Stepwise variable selection in finite normal mixture models with covariance structure and incomplete data. (2000). Classification Society of North America, Montreal, Quebec.
21. Analysis of records linked using mixture models. (2000). Indian Science Congress, Pune, Maharashtra, India.
22. Iterative automated record linkage using mixture models. (1999). Applied Statistics Unit, Indian Statistical Institute - Calcutta, Calcutta, West Bengal, India.
23. Multiple imputation analysis of records linked using mixture models. (1999). Survey Methods Section, Statistical Society of Canada, Regina, Saskatchewan.
24. Model selection for estimating small-area proportions. (1999). Symposium on Model Selection, Empirical Bayes, and Related Topics, Lincoln, Nebraska.

25. Subdomains based on estimated propensity scores. (1997). Current Topics in Survey Sampling, Lincoln, Nebraska.
26. Modeling issues and the use of experience in record linkage. (1997). Federal Committee on Statistical Methodology, Record Linkage Workshop, Washington, D.C.

Contributed presentations

1. Logistic Regression using Fractional Imputation for Missing Data. (2007). CSNA. Urbana-Champaign.
2. Fractional imputation methods for missing categorical data. (2007). ENAR. Atlanta, Georgia.
3. Teaching mathematical probability and statistics with Internet applications and R. (2006). Iowa Chapter of the Mathematics Association of America, Ames, Iowa.
4. Advances in record linkage theory. (2005). Survey Research Methods Section, American Statistical Association, Minneapolis, Minnesota.
5. Comparison of alternative latent class clusterings of survey data. (2003), Social Statistics Section, American Statistical Association, San Francisco, California.
6. Analysis of files linked using models with one-to-one restrictions, or hierarchical Bayesian record linkage. (2002). Section on Bayesian Statistical Science, ASA, topic contributed.
7. Latent class analysis of SESTAT survey data. (2002). Eastern North American Region (ENAR) of the International Biometric Society, Arlington, Virginia.
8. Latent class analysis of NSF SESTAT survey data. (2002). International Federation of Classification Societies, Krakow, Poland.
9. Methods for model-based record linkage and analysis of linked files. (2001). Survey Research Methods Section, American Statistical Association, Atlanta, Georgia. Topic contributed session.
10. Linkage of records and analysis of linked files using mixture models. (2001). *Mixtures 2001*, Hamburg, Germany.
11. Estimation of small-area proportions using survey weights. (2000). Government Statistics Section, American Statistical Association, Indianapolis, Indiana. Topic contributed session.
12. Analysis of data sets created through probabilistic record linkage. ENAR, March 19-22, 2000. Chicago, Illinois.
13. Identifying residents in administrative records that do not match the Census. (1999). Survey Research Methods Section, ASA. Baltimore, Maryland. Topic contributed session.
14. Small area estimation and drug prevalences. (1999). IMS New Researchers Conference. Baltimore.

Contributed posters

1. Iowa State University ADVANCE Program: Advancing Women Faculty in STEM Fields. (2007). Co-author. NSF ADVANCE PI meeting, June 21, 2007.
2. Bayesian record linkage. (2004). International Society for Bayesian Analysis World Meeting. Vina del Mar, Chile.
3. Hierarchical Bayesian probabilistic linkage and regression in linked files. (2003). International Conference on Bayesian Analysis. Santa Cruz, California.
4. Bayesian record linkage and analysis of linked files. (2002). Seventh Valencia International Meeting on Bayesian Statistics. Tenerife, Canary Islands.
5. Bayesian model monitoring in two mixture problems. (1995). International Workshop on Statistical Mixture Modeling. Aussois, France.

Seminars: Government, Institutes, and Industry

1. Hierarchical Bayesian record linkage at Census (2005). Census Bureau, Statistical Research Division, Suitland, Maryland.
2. Hierarchical Bayesian record linkage at NCHS. (2005). National Center for Health Statistics, Hyattsville Maryland.
3. Hierarchical Bayesian record linkage theory. (2005). National Institute of Statistical Sciences (NISS), Research Triangle Park, North Carolina.
4. Bayesian data analysis, multiple imputation, and survey analysis. (2000). NORC, Chicago, Illinois.
5. Introduction to record linkage and record linkage theory. (2000). Gallup International, Budapest, Hungary.
6. Bayesian frequency evaluations of normal mixture models fit to infant temperament data. (1997). RAND Corporation, Statistics Division, Santa Monica, California.

Seminars: Educational Institutions

1. Fractional imputation for categorical data. (2007). University of Maryland, Joint Program in Survey Methods (3/5/07).
2. Fractional imputation for categorical data. (2006). Iowa State University, Statistics (10/30/06).
3. Hierarchical Bayesian approaches to record linkage. (2005). University of Iowa, Biostatistics (11/14/05).
4. Hierarchical Bayesian approaches to record linkage. (2005). University of Missouri-Columbia, Statistics (9/21/05).
5. Normal mixture models with covariance structure fit to infant temperament data with missing values. (2004). ISU, VIGRE Computational & Graphical Statistics Working Group (4/21/04).
6. Model-based record linkage and analysis of linked files. (2004). Duke University, Institute for Statistics and Decision Sciences (3/5/04).
7. Use of latent class models in census and survey applications. (2003). Smith College, Mathematics and Statistics (2/16/03).
8. Use of latent class models in census and survey applications. (2003). California Polytechnique State University, San Luis Obispo, Statistics (2/13/03).
9. Analysis of files linked using mixture models. (2003). Iowa State University, Statistics (2/5/03).
10. Use of latent class models in census and survey applications. (2003). Williams College, Mathematics and Statistics (1/30/03).
11. Record linkage and analysis of linked files. (2002). The University of Chicago, Statistics (3/4/02).
12. Computerized record linkage and regression of linked files. (12/12/01). Department of Statistics, Wharton School, University of Pennsylvania.
13. Iterative automated record linkage using mixture models. (1999). The University of Chicago, Statistics (2/26/99).
14. Creating survey subdomains using estimated propensity scores. (1997). Northeastern University, Department of Mathematics (10/20/97).
15. Bayesian frequency evaluations of normal mixture models fit to infant temperament data. (1997). University of Pennsylvania, Wharton School, Department of Statistics (3/24/97).
16. Iowa State University, Department of Statistical and Statistics Laboratory (2/17/97).

17. University of California at Berkeley, Department of Statistics (2/4/97).
18. University of Washington, Department of Biostatistics (1/23/97).
19. Propensity scores and the analysis of perceived risk from smoking. (1996). Stanford University, Department of Statistics (12/11/96).
20. Application of finite mixture models to a problem in psychology. (1996). Stanford University, Biostatistics (5/16/96).
21. Bayesian approaches to finite mixture models. (1996). Harvard University, Department of Statistics (4/22/96).
22. Bayesian evaluation of model choices and variable selection procedures in finite mixture models: An application in psychology. Boston University, Mathematics Department, Applied Statistics Colloquium Series (12/7/95).
23. Variable selection for normal mixture models used in psychology. (1995). Harvard University, Department of Psychology, Psychology/Statistics Seminar Series (11/30/95).

TEACHING

Courses Taught [* = original course]

1. Spring 2008, Stat 341, ISU, Introduction to Theory of Probability and Statistics
2. Fall 2007, Stat 522X, ISU, Advanced Applied Survey Sampling (MS level) *
3. Spring 2007, Stat 521, ISU, Theory of Survey Sampling (MS level)
4. Fall 2006, Statistics 542, ISU, Theory of Probability and Statistics (MS level)
5. Spring 2006, Statistics 522X, ISU, Advanced Applied Survey Sampling (MS level) *
6. Spring 2006, Stat 341, ISU, Introduction to Theory of Probability and Statistics
7. Spring 2005, Stat 521, ISU, Theory of Survey Sampling (MS level)
8. Fall 2004, Stat 341, ISU, Introduction to Theory of Probability and Statistics
9. Spring 2004, Stat 341, ISU, Introduction to Theory of Probability and Statistics
10. Fall 2003, Stat 542, ISU, Theory of Probability and Statistics (MS level)
11. Winter 2003, Stat 235, Chicago, Statistical Models and Methods, II (MS level) *
12. Fall 2002, Stat 234, Chicago, Statistical Models and Methods, I (MS level) *
13. Fall 2002, Stat 200, Chicago, Elementary Statistics
14. Spring 2002, Stat 246, Chicago, Statistics Theory and Methods, III (MS level) *
15. Spring 2002, Stat 220, Chicago, Statistical Methods and Applications
16. Winter 2002, Stat 220E, Chicago, Statistical Methods and Applications
17. Fall 2001, Stat 200, Chicago, Elementary Statistics
18. Spring 2001, Stat 246, Chicago, Statistics Theory and Methods, III (MS level) *
19. Spring 2001, Stat 200, Chicago, Elementary Statistics
20. Winter 2001, Stat 220E, Chicago, Statistical Methods and Applications
21. Fall 2000, Stat 220E, Chicago, Statistical Methods and Applications
22. Spring 2000, Stat 246, Chicago, Statistics Theory and Methods, III (MS level) *

23. Spring 2000, Stat 220, Chicago, Statistical Methods and Applications
24. Winter 2000, Stat 220, Chicago, Statistical Methods and Applications
25. Fall 1999, Stat 220E, Chicago, Statistical Methods and Applications
26. Spring 1999, Stat 111, Harvard, Introduction to Theoretical Statistics
27. Spring 1999, Stat 100, Harvard, Introduction to Quantitative Methods
28. Fall 1998, Stat 100, Harvard, Introduction to Quantitative Methods
29. Spring 1998, Stat 111, Harvard, Introduction to Theoretical Statistics
30. Fall 1997, Stat 100, Harvard, Introduction to Quantitative Methods
31. Spring 1997, Stat 203, Stanford, Applied Linear Statistical Models (MS level)
32. Spring 1997, Stat 60, Stanford, Introduction to Statistical Methods
33. Winter 1997, Stat 60, Stanford, Introduction to Statistical Methods
34. Fall 1996, Stat 200, Stanford, Mathematical Statistics and Data Analysis (MS level)
35. Spring 1996, Stat 202, Stanford, Applied Statistics (MS level)
36. Spring 1996, Stat 60, Stanford, Introduction to Statistical Methods
37. Winter 1996, Stat 61, Stanford, Introduction to Statistical Methods

Guest Lecturer

1. Spring 2005, Stat 544, ISU, Bayesian Statistics (MS level), 3 lectures
2. Fall 2004, Stat 621, ISU, Advanced Theory of Survey Sampling (PhD level), 2 lectures

Other Teaching

1. External evaluator, Swarthmore College, Department of Mathematics and Statistics, honors program, May 2007 and May 2003.
2. Robert Adam Molnar, PhD Statistics, The University of Chicago, reading course on variance estimation in complex surveys, fall 2002.
3. Chen Yang, MS Statistics, The University of Chicago, summer project on latent class analysis, summer 2002.
4. Qing Qing Xu, PhD Statistics, The University of Chicago, summer project "Comparison of women and men in NSF's SESTAT database," summer 2001.
5. Organizer and Presenter, College Board Summer Institute for High School Teachers of Statistics at The University of Chicago. July 29 - August 2, 2002. July 30-August 10, 2001.
6. Instructor, The University of Chicago's Seminars for Endorsement of Science and Mathematics Educators (SESAME) Program, probability for middle-school teachers of mathematics (2001, 2002).
7. Workshop consultant to the College Board on AP Statistics, 2001 - present.
8. The University of Chicago, Center for Teaching and Learning, Workshop on Teaching in the College, 4/11/00, 9/19/00, 9/19/01, 9/24-25/02.
9. Application Reviewer, Joint Program in Survey Methodology, Summer Undergraduate Internship Program. 1998-2003.
10. Presenter, College Board Fall Workshop for High School Teachers of Statistics at University of Nebraska at Lincoln (March, 2003) and Marquette University (October, 2001).

11. Advanced Placement Test Grader, College Board Faculty Consultant. Table Leader, 2003. June, 1999-2003. Lincoln, Nebraska.
12. Participant, Curriculum Renewal Across the First Two Years (CRAFTY) subcommittee of the Committee for the Undergraduate Program in Mathematics (CUPM), MAA, 10/00.
13. Harvard University, Derek Bok Center for Teaching and Learning, Fall Teaching Orientation, Roundtable discussion on theme: Diagnosing Student Problems. September, 1994.

STUDENTS

Major Professor: PhD

1. Lu Lu, PhD, Statistics, ISU. Topics: Survey variance estimation, small area estimation, and modeling of survey data. Passed prelim oral 11/16/07. Funding: Iowa's State Board of Education, American Education Research Association. Awards: Laha Travel Fellowship, SRMS Travel Award. Conferences: JSM 2006, JSM 2007, ICES-III.
2. Jennifer Hockett, PhD, Statistics, ISU. Topic: Synthetic data generation using quantile regression modeling for the purpose of confidentiality protection. Passed prelim oral 10/15/07. Funding: Iowa's Department of Revenue, NISS, U.S. Census Bureau Dissertation Fellowship. Conferences: JSM 2007, ICES-III.
3. Minhui Paik, PhD, Statistics, ISU. Topic: Multiple and fractional imputation and application in social sciences. Passed prelim oral 11/12/07. Funding: ISU LAS Small Grant, ISU University Research Grant, NSF. Conferences: JSM 2007.

Program of Study Committees: PhD at ISU

1. Tauqir Bibi (2008 - present, PhD Curriculum and Instruction)
2. Babitunde Abdioye (2007 - present, PhD Economics)
3. Jessica Chapman (2007 - present, PhD Statistics)
4. Huang, Ling (PhD Statistics)
5. Wen, Li (PhD Statistics)
6. Kun Liang (2006 - present, PhD Statistics)
7. Dingding Lu (2005 - present, PhD Computer Science)
8. Courtney Kies-Bokenkroger (2004 - present, PhD Statistics)
9. Shantha Daniels (summer 2005 - present, PhD Industrial and Manufacturing Systems Engineering)
10. Sasidhar Malladi (2006 - 2007, PhD IMSE)
11. Arindram Chatterjee (2005 - 2007, PhD Statistics)
12. Wenli Li (2006 - 2007, PhD Statistics)
13. Xiaoxi Li (2004 - 2006, PhD Statistics)
14. Rahul Marathe (2005-2006, PhD Industrial and Manufacturing Systems Engineering)
15. Miguel Carriquiry (2003-2004, PhD Agricultural Economics)

Major Professor: MS

1. Kari Kraemer, MS Statistics, ISU, anticipated spring 2008.
2. Kyle Hewitt, MS Statistics, ISU, anticipated spring 2008.

3. Jennifer Brescoach, MS Statistics, ISU, in progress.
4. Peter Quan, MS Statistics, ISU, in progress.
5. Katy Campbell, MS Statistics, ISU, summer 2007. "A comparison of survey mode on response rates and responses in a work-habit study of ISU students."
6. Jun Liu, MS Statistics, ISU, summer 2007. "Discrimination on record of police activity to distinguish different types of behavior: A study of a discrimination and clustering procedure."
7. Jianhua Zhu, MS Statistics, ISU, spring 2006. "Evaluating the income effect of a contract farming program: Evidence from China."
8. Lu Lu, MS Statistics, ISU, fall 2005. "Variance estimation in a survey for the School Board of the State of Iowa."
9. Paul Buzinec, MS Statistics, ISU, summer 2005. "The three-card method with generalizations for sensitive survey topics."
10. Liza Nirelli, MS Statistics, ISU, summer 2005. "Comparison of methods for handling missing data in a collegiate survey of tobacco use."
11. Ian Asplund, MS Statistics, ISU, spring 2005. "Regression models for predicting rainfall soil erosion."
12. Juan Liu, MS Statistics, ISU, fall 2004. "Factors affecting clustering of multivariate binary data."
13. Meilin Qian Song, MS Statistics, The University of Chicago, summer 2003. "Estimation of causal effects via propensity score methods."
14. Enrique Basurto, MS Statistics, The University of Chicago, summer 2003. "Applied multivariate methods: Principal components and factor analysis."
15. Hyo Duk Shin, MS Statistics, The University of Chicago, winter 2003. "Comparison of hierarchical Bayesian models for estimating prevalence and test accuracy in the absence of a gold standard."
16. Jeniffer Iriondo-Perez, MS Statistics, The University of Chicago, winter 2003. "Small area estimation of proportions."
17. Byung Cho Kim, MS Statistics, The University of Chicago, spring 2002. "A Bayesian errors-in-variables regression model via Gibbs sampling."
18. Ding Cai Cao, MS Statistics, The University of Chicago, winter 2002. "Models for paired comparison and ranking data with stimulus and observer covariates."
19. Jong Chool Park, MS Statistics, The University of Chicago, summer 2001. "Bayesian analysis of mixtures applied to maternal smoking and gestation."

Program of Study Committees: MS at ISU

1. Thomas Parham (2007-present, MS Geological and Atmospheric Sciences)
2. Bridget Lavelle (2007-present, MS Statistics)
3. Reka Howard (2007 - present, MS Statistics)
4. Ujjwal Das (2007 - present, MS Statistics)
5. Claudia Navarro-Villarroel (2006 -present, MS Statistics)
6. Chris Richey (2007, MS Economics, fall 2007)
7. Cuiwei Wang (2007, MS Statistics, fall 2007)
8. Greg Lessman (2006, MS Economics, spring 2007)

9. Zhang Shu (2006, MS Statistics, spring 2007)
10. Lanfen Li (2005, MS Statistics, fall 2005)
11. Yuan-Lin Chen (2003-2005, MS Statistics, fall 2005)
12. Jie He (2005, MS Statistics, fall 2005)
13. Jiangyi Pan (2004-2005, MS Statistics, summer 2005)
14. Jie Zheng (2003-2005, MS Agricultural Economics, summer 2005)
15. Todd Knox (2004-2005, MS with thesis Civil Engineering, summer 2005)
16. Egor Eshenko (2004-2005, MS Statistics, spring 2005)
17. Jeff Thortensen (2004-2005, MS Statistics, spring 2005)

Undergraduate Advising Experiences

1. Martinek, Chris, and Owais, Aatekah, summer undergraduate interns, ISU, summer 2005, co-advised with Frederick O. Lorenz. Primary advisor to Ms. Owais.
2. Elsbernd, Katie. Student in statistics 341, fall of 2004. Recommended for ISU summer NSF VIGRE research experience (2005). Recommended for JPSM summer fellow program (2006).
3. Kyle Hewitt, summer undergraduate VIGRE intern, ISU, summer 2004. Attending graduate program in statistics at ISU, fall 2005.
4. David Faden, enrolled in Statistics 341, spring 2005, informal summer undergraduate advisee, ISU, summer 2005. Attending ISU graduate statistics, fall 2005.
5. Kenichi Okamoto, The University of Chicago, spring 2003, reading and simulation relating to species extinction and Poisson processes. Honors paper.
6. Heath Hohwald, Undergraduate Honors Thesis advisor (with John Barnard) in Applied Mathematics, Harvard University, spring 1998, "Grouping the U.S. Equity Industries Into Sectors Using Hierarchical Agglomeration, Random Relocation, and Model-Based Bayesian Cluster Analysis."

PROFESSIONAL SERVICE: Iowa State University

ISU: University Programs and Committees

1. 2007 - present, Faculty Senate representative for Department of Statistics.
2. 2006 - 2007, College of Liberal Arts and Sciences (LAS) Assembly representative for Department of Statistics, beginning May of 2006
3. 2005 - present, Computational Intelligence, Learning and Discovery (CILD) faculty member
4. 2005 - present, Affiliate, Institute of Science and Society
5. 2004 - present, Rural Survey Research Group and Rural Survey Data Group, co-organizer
6. 2004 - present, Women in Science, Technology, Engineering, and Math (WISTEM) program consultant
7. 2005 - 2007, NSF ADVANCE team member, <http://www.advance.iastate.edu>

ISU: Departmental Committees

1. 2007 - 2008, Diversity committee.
2. 2007 - 2008, Faculty Search Committee.

3. 2006 - 2007, Department Seminar Committee, committee chair in spring.
4. 2006 - 2007, Faculty Search Committee (hired one faculty member).
5. 2006 - 2007, Student Faculty Committee on Instruction.
6. 2006 - 2007, Computing Committee, subcommittee on research computing.
7. 2006 fall, Contributed to application for ISU TEACH funding.
8. 2006 - 2007, Department team for Netflix Prediction Competition .
9. 2006 spring, Contributed to application for ISU internal Tablet PC funding.
10. 2006 spring, Department Self Study groups: Survey statistics, Undergraduate majors and service teaching, Social statistics, and Statistical computing.
11. 2005 - 2007, NSF VIGRE grant renewal writing committee.
12. 2005 - 2006, Admissions Committee.
13. 2003 - 2006, Master's Exam Committee.
14. 2004 - 2005, Faculty Search Committee (hired four faculty members).
15. 2003 - 2007, Survey sampling VIGRE working group, organizer spring 2004, spring 2007.
16. 2005 summer, VIGRE summer intern mentor for Atekah Owais from Mt. Holyoke College.
17. 2004 summer, VIGRE summer intern mentor for Kyle Hewitt from Lawrence University.

PROFESSIONAL SERVICE: External

Editorial positions

1. Executive Editor, *CHANCE* magazine, January 2008 - present.
2. Associate Editor, *Annals of Applied Statistics*, November 2007 - present.
3. Associate Editor, *Journal of Statistics Education*, January 2006 - present.
4. Associate Editor, *Journal of Official Statistics*, April 2005 - present.

Review Panels and Advisory Committees

1. Census Advisory Committee of the American Statistical Association, 2008-2010.
2. NIH panel, Biostatistical Methods and Research Design (BMRD) program, 2/15/08.
3. Behavioral Risk Factor Surveillance System Advisory Committee. June of 2006 - present. A committee organized by the Survey Research Methods Section of the ASA.
4. NIH panel, Biostatistical Methods and Research Design (BMRD) program, 6/9/06.
5. NIH panel, Biostatistical Methods and Research Design (BMRD) program, 10/21/05.
6. NSF panel member, Information Technology Workforce (ITWF) Program, 2003.

Organizations

1. ASA SPAIG committee, 2009-2011.
2. Committee on Publications, American Statistical Association, 2008-2010.
3. Council of Sections Representative, Section on Survey Research Methods, ASA, 2006-2008.

4. Newsletter Editor, Board Member, Classification Society of North America, 01/01/05 - pres.
5. Membership committee member, ENAR, 2001-2002.

Organizing

1. Organizer, August, 2008, JSM, ASA Section on Statistical Education, topic contributed session on "Teaching with R"
2. Organizer, August, 2007, useR! conference, session on teaching with R with Amy Froelich. Program Committee. Chair for two session. Ames, Iowa.
3. Organizer, August, 2007, JSM, ASA Section on Survey Research Methods, Topic Contributed Session on Synthetic Data Methods for Confidentiality.
4. Chair, May, 2007, session for Spring Research Conference, Ames, Iowa.
5. Organizer, August, 2005, JSM, ASA Sections on Survey Research Methods and Environmental Statistics, Topic Contributed Session on Methods for Natural Resources Surveys and Estimation.
6. Organizer, August, 2004, JSM, Two Topic Contributed sessions on Record Linkage (ASA Section on Survey Research Methods), Toronto, Canada.
7. Organizer, August, 2004, JSM, Topic Contributed sessions on Disclosure Limitation and Microdata Research (ASA Government Statistics Section), Toronto, Canada.
8. Co-Organizer, August, 2004, JSM, ASA Section on Survey Research Methods, Invited Session on Multilevel Modeling with Survey Data, Toronto, Canada.
9. Local Organization Committee, International Federation of Classification Societies meeting, July, 2004, Chicago. Also abstract book editor.
10. Scientific Organizing Committee, IMS-ASA's SRMS Joint Mini-Meeting on Current Trends in Survey Sampling and Official Statistics, Calcutta, India, January 2-3, 2004.
11. Chair, August, 2002, JSM, ASA, Biometrics Section and ENAR, Session 384 on "Ignorable and Nonignorable Missing Data Methods."
12. Conference Organization Committee, Web Page, International Conference on Small-Area Estimation and Related Topics, Potomac, Maryland, 4/11-14/01. Also presenter and session chair.
13. Organizer Invited Session, August, 2000, JSM, ASA Section on Survey Research Methods.
14. Chair, Risk Adjustment Session, 1995 International Conference on Health Policy Research, Methodologic Issues in Health Services and Outcome Research, Boston, Massachusetts, 12/2-3/95.

Referee Activities (besides editorial positions)

- Research and Book Proposals and Books
 1. Wiley, book on survey analysis and R, September of 2007
 2. Springer, book on Living standards survey data, July of 2007
 3. USDA School Nutrition Dietary Assessment Study (SNDA-III), July of 2007
 4. NSF proposal (on multiple imputation), October 2006
 5. Springer, book on data quality, 2006
 6. Jossey-Bass, book proposal on survey sampling, 2005
 7. NSF proposal (on latent class models and surveys), October 2005
 8. *Springer* (book proposal on household surveys), July of 2005
 9. *Elsevier, Inc.* (book proposal on biostatistics), May 2005
 10. NSF SRS conference proposal, February 2005

11. USDA proposal on School Nutrition Dietary Assessment Study (SNDA-III), 2004
 12. NSF proposal, program in Methodology, Measurement and Statistics, 2002
 13. Cambridge University Press, book proposal on small area estimation, 2002
 14. Springer-Verlag, book on statistical matching, 2002
- Articles
 1. 2008: *Journal of the American Statistical Association*, *Journal of School Health*, *Survey Research Methods (ESRA)*
 2. 2007: *Communications in Statistics: Theory and Methods*, *Psychological Methods*, *Journal of the American Statistical Association* (twice), *Metron*, *Journal of Official Statistics*, *Annals of Applied Statistics* (3 times), *Statistica Sinica*, *Survey Research Methods (ESRA)*, *Public Opinion Quarterly*, *Test*
 3. 2006: *Annals of Statistics*, *Journal of Statistics Education*, *Journal of Official Statistics Bayesian Analysis*, *Statistica Sinica*, *Journal of Business and Economic Statistics*, *Public Opinion Quarterly*, *Survey Methodology*, *Journal of Computational and Graphical Statistics*, *Journal of the American Statistical Association*.
 4. 2005: *Journal of Computational and Graphical Statistics*, *Journal of the American Statistical Association*, *Journal of Statistics Education*, *Biometrics*, *Survey Methodology* (twice), *Statistica Sinica*, *Journal of Official Statistics*
 5. 2004: *Journal of the American Statistical Association* (two articles), *Ecological and Environmental Statistics*, *Survey Methodology* (two articles), *Journal of Official Statistics*, *Journal of Statistics Education* (two articles), *Missing Data and Bayesian Methods in Practice: Contributions by Donald Rubin's Statistical Family* (a third chapter)
 6. 2003: *International Federation of Classification Societies Proceedings* (two papers), *Journal of Official Statistics*, *Missing Data and Bayesian Methods in Practice: Contributions by Donald Rubin's Statistical Family* (two chapters), *Psychological Methods*, *Statistical Papers*, *Statistics and Probability Letters* (twice), *Survey Methodology*
 7. 2002: *Survey Methodology* (twice), *Statistics in Medicine* (twice), and *Computational Statistics and Data Analysis*
 8. 2001: *Computational Statistics & Data Analysis*, *Statistics in Medicine*, *Survey Methodology* (twice)
 9. 2000: *ISBA 2000 Proceedings*, *Statistica Sinica*, *Journal of Statistical Planning and Inference*, *Statistics in Medicine*, and *Survey Methodology*
 10. 1993 - 1998: 1998 *Sankhya-B*, 1997 *Journal for Computational and Graphical Statistics*, 1996 *Journal of Educational and Behavioral Statistics*, 1994 *Journal of the American Statistical Association*, and 1993 *American Sociological Review*

MEMBERSHIPS

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