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Education:

B.S.	Mathematics	1981	Massachusetts Institute of Technology, Cambridge, MA
M.S.	Statistics	1985	Stanford University, Stanford, CA
Ph.D.	Statistics	1987	Stanford University, Stanford, CA

Professional Experience:

2002 – present	Professor and Chair, Department of Statistics, University of California, Irvine, CA
2001 – 2002	Laurence H. Baker Chair in Biological Statistics, Iowa State University, Ames, IA
2000 – 2002	Interim Director, Laurence H. Baker Center for Bioinformatics and Biological Statistics, Iowa State University, Ames, IA
1997 – 2002	Professor of Statistics, Iowa State University, Ames, IA
1996 – 1998	Director of Graduate Studies, Iowa State University, Ames, IA
1994 – 1997	Associate Professor of Statistics, Iowa State University, Ames, IA
1991 – 1994	Associate Professor of Statistics, Harvard University, Cambridge, MA
1988 – 1994	Director of Undergraduate Studies, Department of Statistics, Harvard University, Cambridge, MA
1987 – 1991	Assistant Professor of Statistics, Harvard University, Cambridge, MA
1984 – present	Statistical consultant
1983 – 1987	Teaching Assistant and Research Assistant, Department of Statistics, Stanford University, Stanford, CA
1981 – 1983	Research Associate, Commodities Corporation, Princeton, NJ

Professional Activities:

2008 –	Associate Editor, <i>Annals of Applied Statistics</i>
2008	Member, Fisher Lecture Committee, Council of Presidents of Statistical Societies (COPSS)
2007 – 2008	Chair, National Academy of Sciences Panel on ACS Use for NSF Survey of College Graduates
2007	Member, National Academy of Science Panel to Review the Information Technology Laboratory of the National Institute of Standards and Technology (NIST)
2005	Committee to Visit the Department of Statistics, Indiana University
2005	Organizing Committee, Better Policy through Statistics: A Symposium in Honor of John Rolph, Costa Mesa, CA
2005	Organizing Committee, Genetics and Epidemiology Research Institute Initial Symposium, Irvine, CA
2005 –	Associate Editor, <i>Bayesian Analysis</i>
2004 – 2006	Member, National Academy of Sciences Panel on American Community Survey (ACS)
2004	Organizing Committee, Decision, Sports and Statistics Conference, Irvine, CA
2004 – 2006	Committee to Visit the Department of Statistics, Harvard University
2004	Chair, American Statistical Association Section on Bayesian Statistical Science
2003 – 2004	Member, Scientific Committee, ISBA 2004 Meeting in Vina del Mar, Chile
2002 – 2003	Member, Savage Thesis Award Committee (Section on Bayesian Statistical Science SBSS)
2002 – 2003	Member, National Academy of Sciences Panel on Evaluation of the Interim Armored Vehicle
2002 – 2003	Member, National Science Foundation, MMS Review Panel member
2002	Organizing/Program Committee Chair, April 2002 Joint ISU/Iowa Bioinformatics Workshop

2002 Chair, ISBA Selected Contributed Papers, Valencia 7 Conference on Bayesian Statistics
 2002 – Advisory Editor, *Chance*
 2001 – 2002 Chair, American Statistical Association Task Force on the Future of Chance
 2001 Chair, American Statistical Association Section on Statistics in Sports
 2001 Member, Nominating Committee, International Society for Bayesian Analysis (ISBA)
 2000 National Institutes of Health, SNEM-5 Review Panel member
 1999 – 2001 Editor, *Chance* (publication of the American Statistical Association)
 1999 National Science Foundation, SBIR Infrastructure Panel reviewer
 1997 – 2001 Member, Committee on Publications, American Statistical Association
 1997 – 1998 Column Editor, "A Statistician Reads the Sports Pages", *Chance*
 1997 Member, Nominating Committee, Institute of Mathematical Statistics
 1993 – 1994 Associate Editor, Special Section on Statistics in Sports, *Journal of the American Statistical Association*
 1992 – 1998 Senior Associate Editor, *Chance*
 1992 Member, Local Arrangements Committee, 1992 Joint Statistical Meetings

Member: American Statistical Association (Fellow)
 Institute of Mathematical Statistics
 International Society for Bayesian Analysis

Referee/reviewer for funding agencies: National Science Foundation, National Security Agency,
 National Institutes of Health

Referee/reviewer for publishers: National Academy of Sciences, Oxford University Press

Referee/reviewer for journals: Science, Journal of the American Statistical Association (JASA), The American Statistician (TAS), Bayesian Analysis, Biometrika, Biometrics, Journal of the Royal Statistical Society (JRSS Ser. B), Applied Statistics (JRSS Ser. C), Statistica Sinica, Journal of Theoretical Probability, Psychometrika, Sankhya, Technometrics, Journal of Educational and Behavioral Statistics (JEBS), Journal of Business and Economic Statistics (JBES), Statistics in Medicine (SIM), International Journal of Biostatistics, Case Studies in Bayesian Statistics, Journal of Statistics Education, Journal of Computational and Graphical Statistics, Journal of Statistical Planning and Inference, Computational Statistics and Data Analysis, Computers and Mathematics with Applications, Mathematical Intelligencer, Sociological Methodology, Management Science, American Journal of Agricultural Economics, Annals of Internal Medicine, Journal of Neuroscience Methods, Journal of Clinical Epidemiology, Psychological Methods, Sociology Methods and Research, Journal of Official Statistics, Statistical Modeling, TEST, Journal of Parallel and Distributed Computing, Journal of Regional Science, Naval Research Logistics, Ecology, Ecological Applications, Journal of Quantitative Analysis in Sports

Honors and Awards:

Teaching Excellence Award (Bren School of ICS), Teaching, Learning and Technology Center, UCI, 2007
 Buckingham Scholar-In-Residence, Miami University, Oxford, OH, September 2001
 Laurence H. Baker Chair in Biological Statistics, Iowa State University, 2001-2002
 Nominated as Outstanding Faculty of the Year, Iowa State University, 2000
 Statistics in Sports Award, American Statistical Association Section on Statistics in Sport, 1999
 Fellow, American Statistical Association, 1998
 Letter of Instructional Commendation, Technical Education Program, GM, Fall 1996
 Alan Abrams Scholarship, Stanford University, 1983

Grants:

- July 1991-June 1992 William H. Milton Grant, Harvard University,
Title: A Statistical Analysis of Infant Temperaments, \$3,800
- July 1994-June 1998 National Science Foundation, Division of Mathematical Sciences
Title: Data Analysis using Finite Mixture Models, \$116,000. (co-PI with D.B.Rubin)
- July 1996-June 1997 University Research Grant, Iowa State University,
Title: Inference in Longitudinal Studies with Missing Data, \$9,400.
- July 1996-Mar 1998 Center for Transportation Research and Education, Iowa State Univ.
Title: Evaluation of Electronic Clearance on I-75, \$26,188. (subcontract)
- July 1998-June 2001 National Institutes of Health,
Title: Disease Maps of Small Areas, \$70,936.
(co-PI with N. Cressie)
- Oct 1998-June 2000 Department of Energy/FBI (Ames Laboratory),
Title: Statistical Treatment of Class Evidence, \$150,936.
(PI with A. Carriquiry, M. Daniels)
- Sept 2000-June 2002 National Center for Health Statistics,
Title: Small Area Estimates of U.S. Infant Mortality Using Bayesian Methods, \$37,691
- Sept 2001-Sept 2005 United States Dept. of Agriculture (USDA) – MGET Training Grant (Iowa State Univ.)
Title: Computation Biology in Animal Agriculture, \$1,600,000
(Co-PI with C. Tuggle, S. Carpenter, M. Nilsen-Hamilton)
- Sept 2004-Aug 2007 National Institutes of Health – NCRR
Title: Transdisciplinary Imaging Genetics Center, \$1,673,332
(Co-Investigator with S.G. Potkin as P.I.)
- Sept 2004 – Aug 2007 Brigham and Women’s Hospital, Harvard
Title: National Alliance for Medical Imaging, \$913,268 (subcontract of NIH award)
(Co-Investigator with S. G. Potkin as P.I.)
- Sept 2005 – Aug 2008 National Science Foundation (ATM-0530926)
Title: Collaboration in Mathematical Geosciences (CMG): Characterization of Inter-Tropical
Convergence Zone (ITCZ) Dynamics and Breakdown Using Statistical Learning Methods and
Satellite Data, \$618,180
(Co-PI with G. Magnusdottir, P. Smyth)
- Oct 2005-Sept 2010 National Institutes of Health – NCRR
Title: Functional Imaging Research on Schizophrenia Testbed, \$24,300,000
(Co-chair of Statistics Working Group with S. G. Potkin as P.I.)

Books and Publications:

Book:

- Gelman, A., Carlin, J. B., Stern, H. S., and Rubin, D. B., (1995), *Bayesian Data Analysis*, Chapman and Hall: London.
- Gelman, A., Carlin, J. B., Stern, H. S., and Rubin, D. B., (2003), *Bayesian Data Analysis*, 2nd edition, Chapman and Hall/CRC: Boca Raton.
- Peck, R., Casella, G., Cobb, G., Hoerl, R., Nolan, D., Starbuck, R., Stern, H. (Editors), (2006), *Statistics: A Guide to the Unknown*, 4th edition, Thomson/Brooks Cole: Belmont, CA.

Refereed Publications:

1. Stern, H. S., and Cover, T. M. (1989), "Maximum Entropy and the Lottery," *Journal of the American Statistical Association*, Vol. 84, pp. 980-985.
2. Stern, H. S. (1990), "A Continuum of Paired Comparisons Models," *Biometrika*, Vol. 77, pp. 265-273.
3. Stern, H. S. (1990), "Models for Distributions on Permutations," *Journal of the American Statistical Association*, Vol. 85, pp. 558-564.
4. Stern, H. S. (1991), "On the Probability of Winning a Football Game," *The American Statistician*, Vol. 45, pp. 179-183.
5. Stern, H. S. (1992), "Are all Linear Paired Comparison Models Empirically Equivalent?," *Mathematical Social Sciences*, Vol. 23, pp. 103-117.
6. Stern, H. S. (1993), "Probability Models on Rankings and the Electoral Process," in *Probability Models and Statistical Analysis for Ranking Data*, eds. M. A. Fligner and J. S. Verducci, Springer-Verlag: New York, pp. 173-195.
7. James, B., Albert, J., and Stern, H. S. (1993), "Answering Questions about Baseball Using Statistics," *Chance*, Vol. 6, No. 2, pp. 17-22,30.
8. Stern, H. S., Arcus, D., Kagan, J., Rubin, D. B., and Snidman, N. (1994), "Statistical Choices in Infant Temperament Research." *Behaviormetrika*, Vol. 21, No. 1, pp. 1-17.
9. Stern, H. S. (1994), "A Brownian Motion Model for the Progress of Sports Scores," *Journal of the American Statistical Association*, Vol. 89, 1128-1134.
10. Rubin, D. B., and Stern, H. S. (1994), "Testing in Latent Class Models Using a Posterior Predictive Check Distribution," in *Latent Variables Analysis: Applications for Developmental Research*, eds. A. von Eye and C. C. Clogg, Sage Publications: Thousand Oaks, CA, pp. 420-438.
11. Stern, H. S. (1994), "Estimating the Probabilities of the Outcomes of a Horse Race," in *Efficiency of Racetrack Betting Markets*, eds. W. T. Ziemba, D. B. Hausch, and V. Lo, Academic Press: San Diego, CA, pp. 225-235.
12. Rubin, D. B., Stern, H. S., and Vehovar, V. (1995), "Handling 'Don't Know' Survey Responses: The Case of the Slovenian Plebiscite," *Journal of the American Statistical Association*, Vol. 90, pp. 822-828.
13. Stern, H. S. (1995), "Who's Number 1 in College Football? ...And How Might We Decide?," *Chance*, Vol. 8, No. 3, pp. 7-14.
14. Stern, H. S., Arcus, D., Kagan, J., Rubin, D. B., and Snidman, N. (1995), "Using Mixture Models in Temperament Research," *International Journal of Behavioral Development*, Vol. 18, pp. 407-423.
15. Stern, H. S. (1996); "Neural Networks in Applied Statistics" (with discussion), *Technometrics*, Vol. 38, pp. 205-220.
16. Babcock, B. A., Carriquiry, A. L., and Stern, H. S. (1996), "Evaluation of Soil Test Information in Agricultural Decision Making," *Applied Statistics*, Vol. 45, pp 447-461.
17. Gelman, A., Meng, X.-L., and Stern, H. S. (1996), "Posterior Predictive Assessment of Model Fitness via Realized Discrepancies" (with discussion), *Statistica Sinica*, Vol. 6, pp. 733-807.

18. Thurston, G. M., Hayden, D. L., Burrows, P., Clark, J.I., Taret, V. G., Kandel, J., Courogen, M., Peetermans, J. A., Bowen, M. S., Miller, D., Sullivan, K. M., Storb, R., Stern, H., and Benedek, G. B. (1997), "Quasielastic Light Scattering Study of the Living Human Lens as a Function of Age," *Current Eye Research*, Vol. 16, No. 3, pp. 197-207.
19. Morduch, J. J., and Stern, H. S. (1997), "Using Mixture Models to Detect Sex Bias in Health Outcomes in Bangladesh," *Journal of Econometrics*, Vol. 77, pp. 259-276.
20. Li, H. and Stern, H. S. (1997), "Bayesian Inference for Nested Designs Based on Jeffreys' Prior," *The American Statistician*, Vol. 51, pp. 219-224.
21. Glickman, M. E., and Stern, H. S. (1998), "A State-Space Model for National Football League (NFL) Scores," *Journal of the American Statistical Association*, Vol. 93, pp. 25-35.
22. Stern, H. S. (1998), "American Football," in *Statistics in Sport* edited by J. Bennett, Arnold: London, pp. 3-23.
23. Stern, H. S. (1998), "A Primer on the Bayesian Approach to Statistical Inference," *Stats*, No. 23; pp. 3-9.
24. Rubin, D. B., and Stern, H. S. (1998), "Sample Size Determination Using Posterior Predictive Distributions," *Sankhya, Ser. B*, Vol. 60, pp. 161-175.
25. Janzen, F. J., and Stern, H. S. (1998), "Logistic Regression for Empirical Studies of Multivariate Selection," *Evolution*, Vol. 52, pp. 1564-1571.
26. Gong, G., Stern, H. S., Cheng, S.-C., Fong, N., Mordeson, J., Deng, H.-W., Johnson, M. L., Recker, R. R. (1999), "The Association of Bone Mineral Density with Vitamin D Receptor Gene Polymorphisms," *Osteoporosis International*, Vol. 9, pp. 55-64.
27. Stern, H. S., and Cressie, N. (1999), "Inference for Extremes in Disease Mapping," in *Disease Mapping and Risk Assessment for Public Health*, eds. A. Lawson, A. Biggeri, D. Bohning, E. Lesaffre, J-F. Viel, R. Bertollini, John Wiley and Sons: Chichester, pp. 63-84.
28. Carlin, B. P. and Stern, H. S. (1999), "Designing a College Football Playoff System," *Chance*, Vol. 12, No. 3, pp. 21-26.
29. Cressie, N, Stern, H. S. and Reber, D. L. (2000), "Mapping Rates Associated with Polygons," *Journal of Geographical System*, Vol. 2, pp. 61-69.
30. Reber, D. L., Stern, H. S., and Berger, P. J. (2000), "Bayesian Inference for the Mixed Linear Model with Application to Selection in Animal Breeding," *Journal of Agricultural, Biological, and Environmental Statistics*, Vol. 5, pp. 240-256.
31. Stern, H. S. and Cressie, N. (2000), "Posterior predictive Model Checks for Disease Mapping Models," *Statistics in Medicine*, Vol. 19, pp. 2377-2397.
32. Sinharay, S. and Stern, H. (2001), "Bayes Factors for Variance Component Testing in Generalized Linear Mixed Models," in *Bayesian Methods with applications to science, policy and official statistics (ISBA 2000 Proceedings)*, pp. 507-516.
33. Stern, H. S. (2001), "Bayesian Statistics," in *International Encyclopedia of the Social and Behavioral Sciences*, Vol. 2, pp. 1052-1056.
34. Sinharay, S., Stern H. S., and Russell, D. (2001), "The Use of Multiple Imputation for the Analysis of Missing Data," *Psychological Methods*, Vol. 6, pp. 317-329.
35. Sinharay, S., and Stern, H. S. (2002), "On the Sensitivity of Bayes Factors to the Prior Distributions," *The American Statistician*, Vol. 56, pp. 196-201.
36. Zhang, J., Pu, J., McCalley, J. D., Stern, H. S., and Gallus, Jr., W. A. (2002), "A Bayesian Approach for Short-Term Transmission Line Thermal Overload Risk Assessment," *IEEE Transactions on Power Delivery*, Vol. 17, pp. 770-778.
37. Sinharay, S., and Stern H. S. (2003), "Posterior Predictive Model Checking in Hierarchical Models," *Journal of Statistical Planning and Inference*, Vol. 111, 209-221.
38. Sarno, R. J., M. S. Bank, H. S. Stern, and W. L. Franklin (2003), "Forced Dispersal of Juvenile Guanacos (Lama guanicoe): causes, variation, and fates of individuals dispersing at different times," *Behavioral Ecology and Sociobiology*, Vol. 54, pp. 22-29.
39. Wright, D., Stern, H. S., and Cressie, N. (2003), "Loss Functions for Estimation of Extrema With an Application to Disease Mapping," *Canadian Journal of Statistics*, Vol. 31, pp. 251-266.

40. Stern, H. S. (2004), "Statistics and the College Football Championship," *The American Statistician*, Vol. 58, pp. 179-185, 194-195 (with discussion).
41. Stern, H. S., and Jeon, Y. (2004), "Applying Structural Equation Models with Incomplete Data," in *Applied Bayesian Modeling and Causal Inference from Incomplete-Data Perspectives*, eds. A. Gelman and X-L Meng, John Wiley and Sons: Chichester, UK, pp. 331-342.
42. Zhang, H. and Stern, H. (2005), "Investigation of a Generalized Multinomial Model for Species Data," *Journal of Statistical Computation and Simulation*, Vol. 75, No. 5, pp. 347-362.
43. Stern, H. (2005), "Baseball Decision Making By the Numbers", in *Statistics: A Guide to the Unknown, 4th edition*, eds. R. Peck, G. Casella, G. Cobb, R. Hoerl, D. Nolan, R. Starbuck, H. Stern, Thomson Brooks/Cole: Belmont, pp. 393-406.
44. Sinharay, S. and Stern, H. S. (2005), "An Empirical Comparison of Methods for Computing Bayes Factors in Generalized Linear Mixed Models," *Journal of Computational and Graphical Statistics*, Vol. 14, No. 2, pp. 415-435.
45. Casey, D. S., Stern, H. S., and Dekkers, J. C. M. (2005), "Identification of Errors and Factors Associated With Errors in Data from Electronic Swine Feeders," *Journal of Animal Science*, Vol. 83, pp. 969-982.
46. Kim, S., Smyth, P., Stern, H., and Turner, J. (2005), "Parametric Response Surface Models for Analysis of Multi-site fMRI Data," in *Medical Image Computing and Computer-Assisted Intervention 2005 (MICCAI 2005)* (refereed conference proceedings), eds. J. Duncan and G. Gerig, Springer-Verlag: Heidelberg, pp. 352-359.
47. Stern, H. S. and Sinharay, S. (2005), "Bayesian Model Checking and Model Diagnostics," in *Bayesian Thinking: Modeling and Computation, Handbook of Statistics, Vol. 25*, eds. D.K. Dey and C. R. Rao, Elsevier: Amsterdam, pp. 171-192.
48. Stern, H. (2005), "Model Inference or Model Selection: Discussion of Klugkist, Laudy, and Hoihtink" (refereed discussion), *Psychological Methods*, Vol. 10, No. 4, pp. 494-499.
49. Cole, S. A., Tobin, W. A., Boggess, L. N., and Stern, H. S. (2005), "A Retail Sampling Approach to Assess Impact of Geographic Concentrations on Probative Value of Comparative Bullet Lead Analysis," *Law, Probability and Risk*, Vol. 4, No. 4, pp. 199-216.
50. Sarno, R. J., Bank, M. S., Stern, H. S., and Franklin, W. L. (2006), "Effects of Age, Sex, Season, and Social Dynamics on Juvenile Guanaco Subordinate Behavior," *Journal of Mammalogy*, Vol. 87, No. 1, pp. 41-47.
51. Zhang, H. and Stern, H. S. (2006), "Assessment of Ancestry Probabilities in the Presence of Genotyping Errors," *Theoretical and Applied Genetics*, Vol. 112, No. 3, pp. 472-482.
52. Sinharay, S., Johnson, M. S., and Stern, H. S. (2006), "Posterior Predictive Assessment of Item Response Theory Models," *Applied Psychological Measurement*, Vol. 30, No. 4, pp. 298-321.
53. Kim, S., Smyth, P., and Stern, H. (2006), "A Nonparametric Bayesian Approach to Detecting Spatial Activation Patterns in fMRI Data," in *Medical Image Computing and Computer-Assisted Intervention 2006 (MICCAI 2006)* (refereed conference proceedings), eds. R. Larsen, M. Nielsen, J. Sporring, Springer-Verlag: Heidelberg, pp. 217-224.
54. Gelman, A. and Stern, H. S. (2006), "The Difference Between "Significant" and "Not Significant" is not Itself Statistically Significant," *The American Statistician*, Vol. 60, No. 4, pp. 328-331.
55. Zhong, Q., Lazaridis, I., Deshpande, M., Li, C., Mehrotra, S., Stern, H. (2006), "Supporting Approximate Similarity Queries with Quality Guarantees in P2P Systems," in *International Conference on Management of Data (COMAD 2006)* (refereed conference proceedings).
56. Friedman, L., Stern, H., Brown, G. G., Mathalon, D., Turner, J., Glover, G. H., Gollub, R. L., Lauriello, J., Lim, K.O., Cannon, T., Greve, D. N., Bockholt, H. J., Belger, A., Mueller, B., Doty, M. H., He, J., Wells, W., Smyth, P., Pieper, S., Kim, S., Kubicki, M., Vangel, M., and Potkin, S. G. (2007), "Test-Retest and Between-Site Reliability in a Multicenter fMRI Study," Published online in advance of print, *Human Brain Mapping*.
57. Madsen, E. R., and Stern, H. S. (2007), "Time Trends of Methylmercury in Walleye in Northern Wisconsin: A Hierarchical Bayesian Analysis," *Environmental Science and Technology*, Vol. 41, No. 13, pp. 4568-4573.
58. Stern, H. S., and Sugano, A. (2007), "Inference About Batter-Pitcher Matchups in Baseball from Small Samples," in *Statistical Thinking in Sports*, eds. J. Albert and R.H. Koning. Chapman and Hall/CRC: Boca Raton, Chapter 9, 153-165.
59. Stern, H. S., and Sugano, A. (2007), "Baseball Decisions and Small Samples," in *CHANCE*, Vol.20, No. 4, 40-47.

60. Patterson, J. V., Hetrick, W. P., Boutros, N. N., Jin, Y., Sandman, C., Stern, H., Potkin, S., Bunney, W. E. (2008), "P50 Sensory Gating Ratios in Schizophrenics and Controls: A Review and Data Analysis," *Psychiatry Research*, Vol. 158, No. 2, 226-247.
61. Friedman, L., Turner, J. A., Stern, H., Mathalon, D. H., Trondsen, L. C., Potkin, S. G. (2008), "Chronic Smoking and the BOLD Response to a Visual Activation Task and a Breath Hold Task in Patients with Schizophrenia and Healthy Controls," *NeuroImage*, Vol. 40, No. 3, 1081-1094.
62. Zhang, H. and Stern, H. (2008), "Inferences for Genotyping Error Rate in Ancestry Identification from SSR Marker Profiles," to appear in *Journal of Agricultural, Biological and Environmental Statistics*.
63. Stern, H. S. (2008), "Pointspread and Odds Betting: Baseball, Basketball, and American Football," to appear in *Handbook of Sports and Lottery Markets*, ed. by W. T. Ziemba and D. B. Hausch.

Unrefereed Publications (proceedings, comments, columns):

- U1. Stern, H. S. (1988), "Gamma Processes, Paired Comparisons and Ranking," *Computing Science and Statistics: Proceedings of the 20th Symposium on the Interface*, pp. 635-639.
- U2. Stern, H. S. (1993), "Who's Number One? - Rating Football Teams," *1992 Proceedings of the Section on Statistics in Sports*, American Statistical Association: Alexandria, pp. 1-6.
- U3. Stern, H. S., and Morris, C. N. (1993), "Looking for Small Effects: Power and Finite Sample Bias Considerations," a comment on C. Albright's "A Statistical Analysis of Hitting Streaks in Baseball," *Journal of the American Statistical Association*, Vol. 88, pp. 1189-1194.
- U4. Stern, H. S. (1994), "Neural Networks in Applied Statistics," *1993 Proceedings of the Statistical Computing Section*, American Statistical Association: Alexandria, pp. 150-155.
- U5. Glickman, M. E., and Stern, H. S. (1995), "Inference from an Autoregressive State-Space Model via Iterative Simulation," *1994 Proceedings of the Section on Statistics in Sports*, American Statistical Association: Alexandria, VA, pp. 72-76.
- U6. Stern, H. S. (1995), "Problems with Logistic Autoregression," *1994 Proceedings of the Biopharmaceutical Section*, American Statistical Association: Alexandria, VA, pp. 106-110.
- U7. Stern, H. S., and Cressie, N. (1996), "Bayesian and Constrained Bayesian Inference for Extremes in Epidemiology," *1995 Proceedings of the Section on Epidemiology*, American Statistical Association: Alexandria, VA, pp. 11-20.
- U8. Stern, H. S. (1996), "Who's Hot and Who's Not: Runs of Success and Failure in Sports," *1995 Proceedings of the Section on Statistics in Sports*, American Statistical Association, pp. 26-35.
- U9. Stern, H. S. (1997), "Baseball by the Numbers," in the column "A Statistician Reads the Sports Pages", *Chance*, Vol. 10, No. 1, pp. 38-41.
- U10. Stern, H. S. (1997), "Judging Who's Hot and Who's Not," in the column "A Statistician Reads the Sports Pages", *Chance*, Vol. 10, No. 2, pp. 40-43.
- U11. Stern, H. S. (1997), "Shooting Darts," in the column "A Statistician Reads the Sports Pages," *Chance*, Vol. 10, No. 3, pp. 16-19.
- U12. Stern, H. S. (1997), "How Accurately Can Sports Outcomes Be Predicted?," in the column "A Statistician Reads the Sports Pages," *Chance*, Vol. 10, No. 4, pp. 19-23.
- U13. Stern, H. S. and Mock, B. R. (1998), "College Basketball Upsets: Will a 16-Seed Ever Beat a 1-Seed?," in the column "A Statistician Reads the Sports Pages," *Chance*, Vol. 11, No. 1, pp. 26-31.
- U14. Stern, H. S. (1998), "Best-of-Seven Playoff Series," in the column "A Statistician Reads the Sports Pages," *Chance*, Vol. 11, No. 2, pp. 46-49.
- U15. Stern, H. S. (1998), "Football Strategy: Go For It!" in the column "A Statistician Reads the Sports Pages," *Chance*, Vol. 11, No. 3, pp. 20-24.
- U16. Stern, H. S. (1998), "How Accurate Are the Posted Odds?" in the column "A Statistician Reads the Sports Pages," *Chance*, Vol. 11, No. 4, pp. 17-21.

- U17. Stern, H. S. (1999), "The Man Who Makes the Odds: An Interview with 'Boxy' Roxborough," *Chance*, Vol. 12, No. 1, pp. 15-21.
- U18. Reber, D. L., Stern, H. S., and Berger, P. J., (1999) "Bayesian Analysis of the Mixed Linear Model with Applications to Selection in Animal Breeding," in *1998 Proceedings of the Section on Bayesian Statistical Science*, American Statistical Association: Alexandria, VA, pp. 48-53.
- U19. Schuckers, M. E., and Stern, H. S., (1999) "A Hierarchical Bayesian Approach for Analyzing a Polychotomous Response From a Cluster Sample," in *1998 Proceedings of the Section on Survey Research Methodology*, American Statistical Association: Alexandria, VA, pp. 387-391.
- U20. Stephenson, W. R. and Stern, H. (2000), "AP Statistics", *Stats*, No. 28, pp. 23-27.
- U21. Stern, H. S. (2000), Discussion of papers by Berger and Bayarri, Robins, Ventura and van der Vaart, *Journal of the American Statistical Association*, Vol. 95, 1157-1159.
- U22. Stern, H. S. (2003) Discussion of paper "Identifying Mixtures of Regression Equations by the SAR Procedure", by D. Pena, J. Rodriguez, G C Tiao in *Bayesian Statistics 7*, eds. J. M. Bernardo et al., Oxford University Press: Oxford, pp. 343-345.
- U23. Stern, H. (2005), "Introduction to the Football Articles," in *Anthology of Statistics in Sports*, eds. J. Albert, J. Bennett, J. J. Cochran, SIAM: Philadelphia, Chapter 3, pp. 13-15.
- U24. Stern, H. S. (2006) "In Favor of a Quantitative Boycott of the Bowl Championship Series," *Journal of Quantitative Analysis in Sports*, Vol. 2: No. 1, Article 4.

Advising:

Ph.D. Students:

Mark E. Glickman	"Paired comparison models with time-varying parameters" (Harvard, 1993)
Yoon-Sook Jeon	"Missing data in structural equation models" (Iowa State, 1998)
Jianlin Cheng	"Finite mixtures of linear regression models" (Iowa State, 1999)
Deanne Reber	"Inference for extremes with applications to animal breeding and disease mapping" (Iowa State, 1999)
Michael Schuckers	"Bayesian analysis of hierarchical models for polychotomous data from a multi-stage cluster sample" (Iowa State, 1999)
Grace Liu	"Efficiency of Markov chain Monte Carlo algorithms for Bayesian inference in random regression models" (Iowa State, co-major with Animal Science, 2000)
Sandip Sinharay	"Bayes factors for variance component testing in generalized linear mixed models (Iowa State, 2001)
Hongmei Zhang	"Probability models for design and analysis of genetic data" (Iowa State, 2003)

M.S. Students (sole or primary advisor):

Katherine Sunde	"Logistic regression for statistical analyses of natural selection" (1995)
Shawn Bates	"A study of rating methods applied to college hockey" (1995) (supervised creative component with D. Cook as major professor)
Angela Jones	"Logistic regression with random effects in a study of in-vitro fertilization" (1996)
Deanne Reber	"Bayesian and classical analysis of the mixed linear model" (1996)
James Smith	"Modeling the human body's thermoregulatory response to exercise using statistical and engineering techniques" (1996) (helped supervise thesis with D. Rollins as major professor)
Barbara Mock	"On the predictability of college basketball" (1997)
Zach Dietz	"Poisson regression in studies of natural selection" (1998)
Sandip Sinharay	"A study of posterior predictive model checking" (1998)
Hongmei Zhang	"Poisson mixture models in finance" (2001)
Stephen Weigand	"Mixture models for gestation lengths of cattle" (2001)