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Education
1987   Ph.D.   University of California
                 Field: Mathematics
                 Thesis: *Contributions to the Theory of Goodness of Fit Testing*
                          under the supervision of Professor S. R. Jammalamadaka.
1984   M.A.   University of California
                 Fields: Mathematics and Statistics
1983   B.A.   California State University
                 Fields: Mathematics and Psychology

Professional Experience
2015-Present   Faculty Director of Cornell Survey Research Institute
2012-Present   Professor of Biostatistics in Public Health, Weill Medical School Cornell
                University.
2001-Present   Professor, Biological Statistics and Computational Biology,
                Cornell University
2004-Present   Professor, Clinical Epidemiology and Health Services Research, Weill Medical
                School Cornell University.
1999-Present   Professor, Department of Social Statistics, Cornell University
1999-Present   Professor, Cornell Law School, Cornell University
1998-1999   Adjunct Professor, School of Operations Research, Cornell University
1995-2003   Professeur Associé , Mathématiques, Université de Rouen
1993-1999   Associate Professor, Department of Social Statistics, Cornell University
1987-1993   Assistant Professor, Department of Social Statistics, Cornell University

Professional Affiliations
Institute of Mathematical Statistics, American Statistical Association, American Mathematical
Society, Royal Statistical Society, International Statistics Institute

Research Interests
Bayesian Statistics, Decision Theory, Epidemiology, Empirical Finance, Empirical Legal
Studies, Model Selection, Sampling Theory, Statistical Genetics, and Survival Analysis

Research Grants
U.S. Army, 1989 – 1991
The Donner Foundation, 1998
Industrial and Labor Relations Faculty Research Incentive Grant, 1990-1994
U.S. Department of Agriculture, Hatch Foundation 1991 - 1993
International Business Machines, 1991 - 1993

Center for Advanced Human Resource Studies, 1994 - 1995
National Science Foundation, 1993-2016
National Institute of Health, 1998-2016

Professional Honors and Activities
Editor for *Journal of Empirical Legal Studies* 2003 – present
Editor for *Journal of Multivariate Analysis* 2008 – present
Associate Editor for *Statistical Science* 2006 – present
Editor-in-Chief *ASA-SIAM Series on Statistics and Applied Probability* 2005 – 2007
Editor for *Journal of the American Statistical Association - Reviews* 1998 – 2002
Associate Editor for *Journal of the American Statistical Association - Theory Methods* 1992 – 2003
Associate Editor for *Journal of the American Statistical Association - Reviews* 1994 – 2003
Fellow of the American Statistical Association
Fellow of the Royal Statistical Society
Fellow of the Institute of Mathematical Statistics
Elected member of the International Statistics Institute
Editor's Special Invited Paper *Journal of the American Statistical Association - Theory &
        Methods*, 1998
IMS Nominations Committee, 1993–1995
IMS Special Invited Paper Committee, 1997 – 2000 (Chair 2000)
Testified before the House Subcommittee on Census 2000
Member of a number of National Academy Panels on Census
Advisor to the Bureau of Justice Statistics and National Institute of Justice
Chairman of the Department of Social Statistics, 1993 – 1995, 2010-present
Chairman of the Department of Biometry 2000 – 2002
Chairman of the Department of Biological Statistics and Computational Biology 2002 – 2008
Chairman of the Department of Statistical Sciences 2003 – 2014
Director of Graduate Studies for the Field of Statistics, 1992 – 1999, 2000-2004
Director of Graduate Studies for the Field of Biometry, 1992 – 2008
Served on the Field of Statistics: Admissions and Curriculum Committees, Vice President's
        Committee on Statistics
Director of Research, School of Industrial & Labor Relations 1999 – present
School of Industrial & Labor Relations' Committees on: Dean Search, Dean's Advisory,
        Graduate, Academic Standards and Scholarship, Educational Technology, Strategic
        Planning, Teaching Advisory, and Undergraduate Program
The Paramount Professor Award for Undergraduate Teaching
General Mills Foundation Prize for Exemplary Graduate Teaching
Consultant for the South Carolina Death Penalty Resource Center
Consultant for the New York State Unified Court System

Personal Information
Born 11 August 1960, San Gabriel, California USA- happily married with three children.

Books
[B1]   *Statistics in the 21st Century*, (with A. Raftery and M. Tanner), Chapman and Hall: New
        York, 2001.
[B2]   *Advances in Directional and Linear Statistics*, (with A. Sen Gupta), Springer, Berlin,
        2010.

Refereed Publications

[1]   "A Test of Goodness of Fit Based on Extreme Spacings with Some Efficiency Comparisons," (with S.R. Jammalamadaka), *Metrika*, 35, 223-232, 1988.

[2]   "Testing Whether F is "More NBU" Than is G with Randomly Censored Data," (with R. Tiwari), *Microelectronics and Reliability*, 28, 901-908, 1988.

[3]   "A Test of Goodness of Fit based on Extreme Multinomial Cell Frequencies," (with S.R. Jamalamadaka and R. Tiwari), *Communications in Statistics* 18, 1527-1547, 1989.

[4]   "Basu's Lemma and Goodness-of-Fit Tests," *Communications in Statistics* 18, 711-717, 1989.

[5]   "Bayesian Quantile Plots and Statistical Inference for Nonlinear Models in the Two Sample Case with Incomplete Data," (with R. Tiwari), *Communications in Statistics*, 18, 2955-2964, 1989.

[6]   "Dirichlet Integrals and Moments of Gamma Distribution Order Statistics," (with Milton Sobel), *Statistics and Probability Letters* 9, 431-437, 1990.

[7]   "Quantile Estimation Based on Nomination Sampling," (with R. Tiwari), *IEEE Transactions on Reliability Theory*, 38, 612-614, 1989.

[8]   "The Relative Efficiency of Goodness-of-Fit Statistics in the Simple and Composite Hypothesis-Testing Problem*," Journal of the American Statistical Association*, 85, 459-463, 1989.

[9]   "Estimating a Distribution Function Based on Minima-Nomination Sampling," (with R. Tiwari), *Topics on Statistical Dependence*, published by IMS Lecture Notes 1 Monograph Series, 1990.

[10]   "Assessing the Effects of Multiple-Rows on the Condition Index of a Matrix," (with Ali Hadi), *Journal of the American Statistical Association* 85, 786-792, 1990.

[11]   "Minimum Distance Method of Estimation and Testing When Statistics Have Limiting Singular Multivariate Normal Distribution," (with Ali Hadi*), Sankhya Ser. B*, 53, 257-267, 1990.

[12]   "A Note on Generalized Wald's Method," (with Ali Hadi), *Metrika* 37, 309-315, 1990.

[13]   "Goodness of Fit Tests for Components of a System With Random Redundancy Levels," (with R. Tiwari), *Opsearch* 27, 125-129, 1990.

[14]   "A Comment on Arizono and Ohta," (with R. Tiwari), *The American Statistician* 44, 56, 1990.

[15]   "Simultaneous Confidence Ellipsoids," (with Ali Hadi), *Econometric Theory* 6, 408-409, 1990.

[16]   "A Matrix Equation," (with Ali Hadi), *Econometric Theory* 7, 420-424, 1991.

[17]   "Correlation among Unconstrained Variables in a Pooled Model," (with Ali Hadi), *Econometric Theory* 7, 545-546, 1991.

[18]   "A Class of Tests for Testing an Increasing Failure Rate Average Distribution With Randomly Censored Data," (with R. Tiwari), *IEEE Transactions on Reliability Theory* 40, 152-157, 1991.

[19]   "ε-Solutions of Minimization Problems in Statistics," *Statistics and Decisions* 9, 177-180, 1991.

[20]   "On the Asymptotic Theory for Quantile Estimation Under Various Sampling Schemes," (with R. Tiwari), *Calcutta Statistical Association Bulletin* 39, 163-171, 1991.

[21]   "Reconciliation, Coherence, and P-Values," (with G.C. Casella), *Séminare Mathématiques de Rouen* 1990-1991.

[22]   "Estimation of Accuracy in Testing," (with J.T. Hwang, G.C. Casella, C. Robert and R.H. Farrell). *Annals of Statistics* 20, 490 - 510, 1992.

[23]   "The Weak Approximation of the Empirical Characteristic Function Process When Parameters are Estimated," *Stochastic Processes and Their Application* 40, 83-103, 1992.

[24]   "On the Power-Divergence Statistic in Models Requiring Parameter Estimation," (with R. Tiwari), *Statistics and Probability Letters* 13, 57-62, 1992.

[25]   "Tests of Fit Using Spacings Statistics with Estimated Parameters," (with S.R. Jammalamadaka and R. Tiwari), *Statistics and Probability Letters* 13, 365 - 372, 1992.

[26]   "Kernel Based Estimators of Ratio Functions," (with P.N. Patil and J.S. Marron), *The Journal of Nonparametric Statistics* 4, 203-209, 1992.

[27]   "Estimation d'un cout quadratique pour des a symétrie sphérique" (with D. Fourdrinier), *C.R. Acad. Sci. Paris Série I,* 315, 1305-1308, 1992.

[28]   "Recent Methodological Advances in Robust Bayesian Inference," (with G.C. Casella), In *Bayesian Statistics IV*, J.M. Bernardo and J.O. Berger (Eds.). North Holland, Amsterdam, 1992.

[29]   "Discussion to 'Is Pitman Closeness a Reasonable Criterion' ", (with G.C. Casella), *Journal of the American Statistical Association*, 88, 70-71, 1993.

[30]   "Bayes Inference for Fault Diagnosis in Real-Time Distributed Systems," (with Y.L. Chang, L.C. Lander and H.S. Lu), *Proceedings of the IEEE Computer Society's 2nd Asian Test Symposium*, 333-338, 1993.

[31]   "Large Sample Theory of Spacings Statistics for Tests of Fit for the Composite Hypothesis," (with S.R. Jammalamadaka and R. Tiwari*), Journal of the Royal Statistical Society Ser. B* 55, 189-204, 1993.

[32]   "Bootstrapping a Bayes Estimator of a Survival Function with Censored Data," (with R. Tiwari), *Annals of the Institute of Statistical Mathematics* 46, 487-495, 1994.

[33]   "Deadly Confusion: Juror Instructions in Capital Cases," *Cornell Law Review* 79, 1-17, 1993.

[34]   "Inference for Shift Functions in the Two Sample Problem with Right-Censored Data: With Applications," (with H.S. Lu and R.C. Tiwari). *Journal of the American Statistical Association* 89, 1017-1026, 1994.

[35]   "Bayes Analysis of Fault Location on Distributed Systems," (with Y.L. Chang, L.C. Lander and H.S. Lu), *IEEE Transactions on Reliability 43*, 457-465, 1994.

[36]   "Nonparametric Kernel Estimation in Counting Processes With Explanatory Variables," *Biometrika* 81, 795-801, 1994.

[37]   "Bayesian Analysis for Fault Location in Homogeneous Distributed Systems," (with Y.L. Chang, L.C. Lander and H.S. Lu), *Proceedings of the IEEE Computer Society's 12th Symposium on Reliable Distributed Systems*, 44 - 53, 1994.

[38]   "A Computer Program for the Statistical Analysis of Repeated Event Data Using a Mixed Effects Regression Model," (with R. Natarajan, B. Turnbull, E. Slate, L. Clark, and H. Abulibdeh) *Computer Methods and Programs in Biomedicine* 42, 283-294, 1994.

[39]   "Comparaisons de Procédures de Sélection d'un Model de Régression: Une Approache Décisionnelle," (with D. Fourdrinier), *C.R. Acad. Sci. Paris Série I* 319, 865-870, 1994.

[40]   "Estimation of a Loss Function for Spherically Symmetric Distributions in the Generel Linear Model," (with D. Fourdrinier), Annals *of Statistics* 23, 571-593, 1995.

[41]   " Loss Estimation for Spherically Symmetric Distributions," (with D. Fourdrinier), *Journal of Multivariate Analysis* 53, 311-331, 1995.

[42]   "Using the Gibbs Sampler to Detect Changepoints: Application to PSA as a Longitudinal Marker for Prostate Cancer," (with K. Cronin, E. Slate, and B. Turnbull), *Proceedings of the 26th Symposium on the Interface: Computing Science and Statistics, (Eds. J. Sall and A. Lehman), Interface Foundation of North America,* 314-318, 1995.

[43]   "Characterizing Hierarchical Model Behavior," (with B. Chance *Proceedings of the 26th Symposium on the Interface: Computing Science and Statistics, (Eds. J. Sall and A. Lehman), Interface Foundation of North America,* 536-540, 1995.

[44]   "Spherically symmetric Bayes estimators for a linear subspace of a normal law," (with D. Fourdrinier), in *Bayesian Statistics 5*, J.M. Bernardo, J.O. Berger, A.P. Dawid, and A.F.M. Smith (Eds.). Clarendon Press, New York, 569-579, 1995.

[45]   "Comparing P-Values to Neyman-Pearson Tests," (with G. Casella). In *Bayesian Analysis in Statistics and Econometrics*, D. Berry, K. Chaloner, and J. Geweke (Eds.). Wiley, New York, 507-514, 1995.

[46]   "Discussion to 'The Roles of Conditional Inference'," (with G.C. Casella and T.J. DiCiccio), *Statistical Science* 10, 179-185, 1995.

[47]   "The Robustness of Normal-theory LISREL Models: Tests Using a New Optimizer, the Bootstrap, and Sampling Experiments, with Applications." (with Mebane, Walter R., Jr., Jasjeet Sekhon). Presented at the 1995 Political Methodology Summer Conference Bloomington, Indiana, July and at the 1995 Annual Meeting of the Midwest Political Science Association (Methods Section), 1995

[48]   "Discussion to 'Statistical Inference for Monte Carlo Algorithms'," (with T.J. DiCiccio), *Test* 5, 349-352, 1996.

[49]   "Quantile Comparison Functions in Two Sample Problems: With Applications to Comparison of Diagnostic Markers." (with G. Li, R. Tiwari), *Journal of the American Statistical Association* 91, 689-698, 1996.

[50]   "Practical Small Sample Asymptotics for Regression Problems," (with R. Strawderman and G. Casella).   *Journal of the American Statistical Association* 91, 643-654, 1996.

[51]   "Assessing Evidence in Multiple Hypotheses," (with C. Goutis and G. Casella), *Journal of the American Statistical Association* 91, 1268-1277, 1996.

[52]   "Using Random Rather than Fixed Effects Models in Meta-Analysis: Implications for Situational Specificity and Validity Generalization," (with A. Erez and M. Bloom), *Personnel Psychology* 49, 275-306, 1996.

[53]   "Density Estimation with Bivariate Censored Data," (with K.P. Yeo*), Journal of the American Statistical Association* 91, 1566-1574, 1996.

[54]   " Jury responsibility in capital sentencing: An empirical study " (with T. Eisenberg and S. Garvey), Buffalo *Law Review* 44, 339-380, 1996.

[55]   "The Predictability of Punitive Damages" (with T. Eisenberg, J. Goerdt, B. Ostrom, D. Rottman), *Journal of Legal Studies* 26, 623-661, 1997.

[56]   "Nonparametric Estimator of the Bivariate Survival Function under Simplified Censoring Conditions," (with W. Wang), *Biometrika* 84, 863-880, 1997.

[57]   "Accurate Confidence Limits for the Cumulative Hazard and Survivor Functions Under Random Censoring," (with R. Strawderman*), Journal of the American Statistical Association* 92, 1356-1374, 1997.

[58]   "Accurate Confidence Limits for Quantiles Under Random Censoring," (with R. Strawderman and M. Parzen), *Biometrics* 53, 1399-1415, 1997.

[59]   "Sur les estimateurs de Bayes minimax: une méthode constructive," (with D. Fourdrinier and W. Strawderman), *C.R. Acad. Sci. Paris Série* 324, 1143-1148, 1997.

[60]   "Punitive Awards After *BMW*, a New Capping System, and the Reported Opinion Bias,*"* (with T. Eisenberg), *Wisconsin Law Review*, 1, 387-425, 1998.

[61]   "Ranking and Explaining the Scholarly Impact of Law Schools," (with T. Eisenberg), *Journal of Legal Studies*, 27, 373-413, 1998.

[62]   "Larger Board Size and Decreasing Firm Value in Small Firms", (with T. Eisenberg and S. Sundgren), *Journal of Finanicial Economics* 48, 35-54, 1998.

[63]   "Nonparametric estimation of successive duration times under dependent censoring," (with W. Wang), *Biometrika* 85, 561-572, 1998.

[64]   "Estimation robuste pour des lois `a symétrie elliptique `a matrice de covariance inconnue," (with D. Fourdrinier and W. Strawderman). *C.R. Acad. Sci. Paris Série I 326*, 1135-1140, 1998.

[65]   "On the Construction of Bayes Minimax Estimators," (with D. Fourdrinier and W. Strawderman), *Annals of Statistics* 26, 660–671, 1998.

[66]   "Approximately exact inference for the common odds ratio in several 2 x 2 tables, with discussion," (with R. Strawderman)*, Journal of the American Statistical Association* 93, 1294 – 1320, 1998.

[67]   "But Was He Sorry? The Role of Remorse in Capital Sentencing," (with T. Eisenberg and S. Garvey), *Cornell Law Review* 83, 1599-1637, 1998

[68]   "The Predictability of Punitive Damages Awards in Published Opinions, the Impact of *BMW v. Gore* on Punitive Damages Awards, and Forecasting which Punitive Awards will be Reduced" (with T. Eisenberg), *Supreme Court Economic Review* 59-86, 1999.

[69]   "Bayesian Estimation for Spherically Symmetric Distributions," (with D. Cellier and D. Fourdrinier), *Journal of Multivariate Analysis* 70 (1) 95—117, 1999.

[70]   "Semiparametric Inference for a Quantile Comparison Function with Applications to Receiver Operating Characteristic Curves,'' (with G. Li, R. Tiwari), *Biometrika* 86 (3): 487-502, 1999.

[71]   "Model Selection and Semiparametric Inference for Bivariate Failure-Time Data, with discussion" (with W. Wang)*, Journal of the American Statistical Association 95* (449): 62-72, 2000.

[72]   "Statistical Controversies in Census 2000," (with L. D. Brown, M. L. Eaton, D. A. Freedman, S. P. Klein, R. A. Olshen, K. W. Wachter and D. Ylvisaker), *Jurimetrics*, 39 (4), 347-376, 1999.

[73]   "Inbreeding in Law School Hiring: Analyzing the Performance of Faculty Hired from Within," (with T. Eisenberg), *Journal of Legal Studies* 29 (1): 369-388 (2), 2000.

[74]   "Estimating Kendall's Tau with Censored Data," (with Weijing Wang), *Statistica Sinica* 10 (4): 1199-1215, 2000.

[75]   "Power Analysis for Linear Models with Spherical Errors," (with Weijing Wang), *Journal of Statistical Planning and Inference* 108, 155-171, 2002

[76]   "A Martingale Approach to the Copula-Graphic Estimator for the Survival Function Under Dependent Censoring," (with L-P Rivest). *Journal of Multivariate Analysis* 9, 138-155, 2000.

[77]   "Statistics in the year 2000: Vignettes," with (A. Rafery and M. Tanner), *Journal of the American Statistical Association,* 95, 449-450, 2000.

[78]   Methodological Issues in Bankrupcy Prediction: An Empirical Test," (with C. Bergström, T. Eisenberg, and S. Sundgren). In *Risk Behaviour and Risk Management in Business Life* (Bo Green, Ed.), Dordrecht/Boston/London: Kluwer Academic, 1999.

[79]   "Case Control Studies in Bankrupcy Prediction: An Empirical Test," (with C. Bergström, T. Eisenberg, and S. Sundgren). In *Risk Behaviour and Risk Management in Business Life* (Bo Green, Ed), Dordrecht/Boston/London: Kluwer Academic, 2000.

[80]   "Hazard Rates Estimation using Wavelets," (with S. Wu), *Journal of Nonparametric Statistics, 15, 187-202, 2002.*

[81]   "The Deadly Paradox of Capital Jurors," (with T. Eisenberg and S. Garvey), *Southern California Law Review* 74 (2): 371-397, 2001.

[82]   "Forecasting Life and Death," (with T. Eisenberg and S. Garvey), *Journal of Legal Studies* 30 (2): 277-311 (1), 2001.

[83]   "Reconciling Experimental Incoherence with Real-World Coherence in Punitive Damages," (with T. Eisenberg and J. R. Rachlinski), *Stanford Law Review,* 54, 1239-71, 2002. Also in *The Jury System: Contemporary Scholarship*, Ashgate Publishing, V. Hans, ed., 2006.

[84]   "Trial Outcomes and Demographics: Is There a Bronx Effect?" (with T. Eisenberg), *University of Texas Law Review, 80,* 1839-74, 2002.

[85]   "Juries, Judges, and Punitive Damages: An Empirical Study," (with T. Eisenberg *et al*.), *Cornell Law Review, 87,* 743-82, 2002.

[86]   "Statistical methods for predicting yield: A comparison of the accuracy of a logistic regression, decision tree, neural network and boosted logistic regression," (with R. Reeves). *Proceedings of the Meeting of the North East Association of Institutional Research*, *Annapolis, MD*, 2002.

[87]   "Robust shrinkage estimation for elliptically symmetric distributions with unknown covariance matrix," (with D. Fourdrinier and W.E. Strawderman), Journal of Multivariate Analysis 85, 24-39, 2003.

[88]   "Victim Characteristics and Victim Impact Evidence in South Carolina Capital Cases," (with S.P. Garvey and T. Eisenberg), Cornell Law Review, 88, 306-42, 2003. Also in *Wounds That Do Not Bind: Victim-Based Perspectives on the Death Penalty* 297-321 (James R. Acker & David R. Karp eds. 2006).

[89]   "Explaining Death Row's Size and Racial Composition," (with J. Blume and T. Eisenberg), Journal of Empirical Legal Studies 1, 265-207, 2004

[90]   "The Functional Data Analysis View of Longitudinal Data," (with X. Zhou, S. Marron), *Statistica Sinica* 14, 789-808, 2004.

[91]   "Rao-Blackwellization of Generalized Accept-Reject Schemes," (with C. Robert and G. Casella), *Herman Rubin Festschrift*, Institute of Mathematical Statistics 342-347, 2004.

[92]   "Mixture Models, Latent Variables, and Partitioned Importance Sampling," (with C. Robert and G. Casella), *Statistical Methodology,* 1,1-18, 2004.

[93]   "Least Squares Cross-Validation for the Kernel Deconvolution Density Estimator," (with E. Youndje), *C.R. Acad. Sci. Paris Série I 334*, 509-513, 2004.

[94]   "Juror First Votes in Criminal Trials," (with S.P. Garvey et al.), *Journal of Empirical Legal Studies* 1, 371–398, 2004.

[95]   "Mathematical Model of *Listeria monocytogenes* Cross-Contamination in a Fish Processing Plant," (with R. Ivanek, Y. Grohn, and M. Wiedmann). *Journal of Food Protection* 67, 2688-2697, 2004.

[96]   "The Fate of Firms," (with C. Bergström, T. Eisenberg, and S. Sundgren). *Journal of Empirical Legal Studies* 2, 49-85, 2005.

[97]   "Estimation of a Parameter with Restrictions or Vague Information," (with D. Fourdrinier and W.E. Strawderman), *The Annals of the Institute of Statistical Mathematic*s 58, 73-92, 2005.

[98]   "Global Expression Analysis of Genes Coregulated by Phospholipid Precursors and OPI1 in *Saccharomyces cerevisiae.*" (with S. Jesch, X. Zhou and S.A. Henry), *The Federation of American Societies for Experimental Biology Journal*: Proceedings of 8th IUBMB conference and ASBMB annual meeting (Boston, Massachusetts), 18(8), C266, 2005.

[99]   "Judge-Jury Agreement in Criminal Cases: A Partial Replication of Kalven & Zeisel's The American Jury," (with T.Eisenberg , P. Hannaford-Agor , V. P. Hans , N. L. Mott , G. T. Munsterman , S. J. Schwab), *Journal of Empirical Legal Studies* 2, 171-206, 2005.

[100] "An Extension of the Metropolis algorithm," (with S. Wu), *Communications in Statistics - Theory and Methods* 34,.585-597, 2005.

[101] "Bayesian Normalization and Identification for Differential Gene Expression Data," (with D. Zhang, C. D. Smart and W. E. Fry). *Journal of Computational Biology,* 12, 391–406, 2005.

[102] "Hierarchical Graphical Models: An Application to Pulmonary Function and Cholesterol Levels in the Normative Aging Study," (with D. Zhang, B. W. Turnbull, P. A. Cassano), *Journal of the American Statistical Association* 100, 719-727, 2005.

[103] "Genome wide analysis reveals inositol, not choline, as the major effector of Ino2p-Ino4p and unfolded protein response target gene expression," (with S.A. Jesch, X. Zhou and S.A. Henry), *Journal of Biological Chemistry,* 280, 9106-9118, 2005.

[104] "Mapping Multiple Quantitative Trait Loci by Bayesian Classification" (with M. Zhang, K. L. Montooth, A.G. Clark and D. Zhang), *Genetics* 169, 2305-2318, 2005.

[105] "The Significant Association Between Punitive and Compensatory Damages in Blockbuster Cases: A Methodological Primer, "(with T.Eisenberg), *Journal of Empirical Legal Studies* 3, 169-189, 2006.

[106] "Bayesian Inference for a Two-Part Hierarchical Model: An Application to Profiling Providers in Managed Health Care," (with M. Zhang, R. L. Strawderman, M. E. Cowen). *Journal of the American Statistical Association* 101, 934-945, 2006.

[107] "Multiplicative Background Correction for Spotted Microarrays to Improve Reproducibility," (with M. Zhang and D. Zhang). *Genetical Research* 87, 195-206, 2006.

[108] "Juries, Judges, and Punitive Damages: Empirical Analyses Using the Civil Justice Survey of State Courts 1992, 1996, and 2001 Data" (with T. Eisenberg, P. L. Hannaford-Agor, M. Heise, N. LaFountain, G . Munsterman, B. Ostrom). *Journal of Empirical Legal Studies* 3, 263–295, 2006.

[109] "Multiple endoplasmic reticulum-to-nucleus signaling pathways coordinate phospholipid metabolism with gene expression by distinct mechanisms," (with S. A. Jesch, P.Liu., X. Zhao, and S. A. Henry). *Journal of Biological Chemistry*, 281, 24070-24083, 2006.

[110] "Optimal Bandwidth Selection for Multivariate Kernel Deconvolution Density Estimation, "(with E. Youndje). *Test* 17, 138-162, 2008.

[111] "A Bayesian Analysis of Return Dynamics with Levy Jumps," (with H. Li, C. Long). *The Review of Financial Studies* 21(5), 2345-2378, 2008.

[112] "The Relation between Punitive and Compensatory Awards: Combining Extreme Data with the Mass of Awards, "(with T. Eisenberg and V. Hans), In *Civil Juries and Civil Justice*, 105-115, 2008.

[113] "Nonparametric estimation of the dependence function for a multivariate extreme value distribution," (with D. Zhang and L. Peng), *Journal of Multivariate Analysis*, 99 (4), 577 – 58, 2008.

[114] "Cardiac Surgery in Select Nonagenarians: Should We or Shouldn't We?" (with B. Ullery, BW, Peterson, JC, Milla, F, Briggs, W, Girardi, LN, Ko, W, Tortolani, AJ, Isom, OW, Krieger, KH). *Annals of Thoracic Surgery*, 85, 854-860, 2008.

[115] "Numerical Analysis in Least Squares Regression with an Application to the Abortion-Crime Debate" (with W. Anderson). *Journal of Empirical Legal Studies*, 5,647-681, 2008.

[116] "Statins and Adverse Cardiovascular Events in Moderate Risk Females: A Statistical and Legal Analysis with Implications for FDA Preemption Claims"(with T. Eisenberg), *Journal of Empirical Legal Studies* 5, 507-550, 2008.

[117] "Generalized Bayes minimax estimators of the mean of multivariate normal distribution

with unknown variance," (with G. Zhou), *Journal of Multivariate Analysis*, 99, 2208-2220, 2009.

[118]   "Variable selection for large p small n regression models with incomplete data: mapping QTL with epistases" (with M. Zhang and D. Zhang), *BMC Bioinformatics*, 9:251, 2009.

[119]   "Extreme value theory in analysis of differential expression in microarrays where either only up- or down-regulated genes are relevant or expected" (with Ivanek, et al.), *Genetics Research*, 90: 347-361, 2009.

[120]   "Statins, cholesterol, women and primary prevention: evidence-based medicine or wishful thinking?" (with T. Eisenberg), *Future Cardiology* 5, 1- 4, 2009.

[121]   "Generalized thresholding estimators for high-dimensional location parameters" (with M. Zhang and D. Zhang), *Statistica Sinica* 20, 911-926, 2009.

[122]   "A multivariate variance component model for analysis of covariance in designed experiments" (J. Booth, W. Federer, and R. Wolfinger), *Statistical Science 24*, 223-237, 2009.

[123]   "Improved estimation for elliptically symmetric distributions with unknown block diagonal covariance matrix" (with D. Fourdrinier and W.E. Strawderman), *Statistics & Decisions* 26, 203–217, 2009.

[124]   "Modeling of spatially referenced environmental and meteorological factors influencing the probability of *Listeria spp.* isolation from natural environments" (with Ivanek, et al.), *Applied & Environmental Microbiology*, 75 (18), 5893-5909, 2009.

[125]   "Development of a novel equine whole transcript oligonucleotide Gene-Chip microarray and its use in gene expression profiling of normal articular-epiphyseal cartilage" (with K. E. Gläser, Q. Sun, and A. J. Nixon), *Equine Veterinary Journal* 41(7):663-70, 2009.

[126]   "A Conversation with Shayle R. Searle" *Statistical Science* 24, 244–254, 2009.

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