

# Jane L. Harvill

Department of Statistical Science  
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Baylor University  
Waco, Texas 76798-7140  
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## Academic Degrees:

1994 Ph.D., Statistics, Texas A&M University  
1988 M.S., Mathematics, Arkansas State University  
1987 B.S.E., Mathematics, Arkansas State University

## Academic Experience:

2007 – 2009 Associate Professor of Statistics, Department of Statistical Science, Baylor University  
2005 – 2007 Associate Professor of Statistics, Department of Mathematics and Statistics, Mississippi State University  
1998 – 2005 Assistant Professor of Statistics, Department of Mathematics and Statistics, Mississippi State University  
1994 – 1998 Assistant Professor of Statistics, Department of Applied Statistics and Operations Research, Bowling Green State University  
Sum., 1997 Visiting Scholar, Department of Statistics, Stanford University  
1993–1994 Assistant Lecturer, Department of Statistics, Texas A&M University  
1988–1989 Instructor, Department of Mathematics and Computer Science, Arkansas State University

## Funded Proposal, Honors, and Awards:

2009 College of Arts and Sciences Summer Sabbatical. “Bispectral Analysis of Nonlinear Time Series”. Baylor University.  
2006 Elected member of International Statistical Institute  
2005 Miller, V.G and Harvill, J.L. “Sonia Kovalevsky High School Mathematics Days.” Association for Women in Mathematics. Budget: \$2,000.  
2003 Harvill, J.L., Banicescu, I., and Lestrade, J.P. “Advancing the State of the Art in Statistical Computing and Simulation in Time Series,” \$250,000, National Science Foundation (2003-2006).  
2003 Harvill, Jane L. and Wills, Robert, “Continuation: A Spatial Analysis Exposure Assessment of Pesticides,” \$15,477, NIH through COBRE (2003-2004).  
2003 Harvill, J.L., and Miller, V.G. “Sonia Kovalevsky High School Mathematics Days.” Association for Women in Mathematics, \$2,485  
2003 Harvill, Jane L. and Wills, Robert, “A Spatial Analysis Exposure Assessment of Pesticides,” \$17,477, NIH through COBRE.  
2002 Harvill, Jane L. “Student Travel Grant for Student Participation in 2002 Summer Research Conference,” \$4,000.  
2001 Ebanks, Bruce, Halpin, Regina, Scarborough, Betty, Johnson, Corlis, and Harvill Jane. Eisenhower Foundation Proposal for Workshop in Quantitative Literacy for Middle School Teachers.  
2000 Miller, T. Len, Harvill, Jane L., Neumann, Michael M., and Pearson, J. Michael. “CCLI: Adaptation and Implementation of Computer Technology into the Mathematical Sciences Curriculum at Mississippi State University.” \$93,011. National Science Foundation, July 1, 2001 through June 30, 2003.  
2000 National Institute of Health, *Epidemiology on the Internet*, through 2004, \$49,000

2000	Summer Research Grant, Biological & Physical Sciences Research Institute, Mississippi State University, \$5,000.
1997	Visit Stanford University by invitation from Ingram Olkin for Summer Research Program
1996-1997	National Science Foundation Research Planning Grant, \$17,962
1996	Faculty Research Committee Basic Grant, \$7,500
1995	College of Business Summer Research Grant, \$2,500
1994	American Statistical Association Chapter Service Recognition Award, Southeast Chapter
1991	Award for Contributions to Statistics in Chemistry, Texas A&M University
1990	Shell Scholar, Texas A&M University

#### Research Interests:

- Time series analysis: non-linear time series, spectral analysis, higher-order spectra, multivariate time series
- Spatial statistics
- Statistical computing

#### Refereed Publications and Proceedings of Invited Papers:

- Harvill, Jane L. (2010) "Spectral analysis of time series and spatial data." Invited paper submitted to *Journal of the American Statistical Association*.
- Harvill, Jane L. (2010) "Frequency domain bootstrap testing for nonlinear time series." Submitted to *Communications in Statistics*.
- Greer, Brandi A., Harvill, Jane L., Young, Dean M., and Ramey, John A. (2010) "Pseudo-likelihood intervals for the ratio of two Poisson rates with data subject to under-reporting." Submitted to *Computational Statistics and Data Analysis*.
- Harvill, Jane L. (2010) "Spatio-temporal processes." (2010) in *Wiley Interdisciplinary Reviews: Computational Statistics*, Wegman, Edward J., Said, Yasmin H., and Scott, David W. (Eds). To appear in Volume 2, Issue 3.
- Jahan, Nusrat and Harvill, Jane L. (2008) "Bispectral-based goodness-of-fit tests for Gaussianity and linearity of stationary time series," *Communications in Statistics: Theory and Methods*, Vol. 37, No. 20, pp. 3216-3227.
- Harvill, Jane L., and Ray, Bonnie (2006) "Functional Coefficient Autoregressive Models for Vector Time Series", *Computational Statistics and Data Analysis*, Volume 50, Number 12, pp. 3547-3566.
- Banicescu, I., R.L. Cariño, J.L. Harvill, J.P. Lestrade (2006) "Investigating Asymptotic Properties of Vector Nonlinear Time Series Models," *International Journal of Computational Science and Engineering*.
- Banicescu, I., R.L. Cariño, J.L. Harvill, J.P. Lestrade (2005) "Vector nonlinear time-series analysis of gamma-ray burst datasets on heterogeneous clusters," *Scientific Programming*, Volume 13, Number 2, pp. 67-77.
- Harvill, Jane L., and Ray, Bonnie (2005) "A Note on Multi-step Forecasting with Functional Coefficient Autoregressive Models," *International Journal of Forecasting*, Volume 21, Issue 4, pp. 717-727.
- Banicescu, I., R.L. Cariño, J.L. Harvill, J.P. Lestrade. (2005) "Computational Challenges in Vector Functional Coefficient Autoregressive Models." *Lecture Notes in Computer Science* 3514, V.S. Sunderam et al. (Eds.). Springer-Verlag, pp. 237-244.
- Banicescu, I. R.L. Cariño, J.L. Harvill, J.P. Lestrade. (2005) "Simulation of Vector Nonlinear Time Series on Clusters." *Proceedings of the 19th International Parallel and Distributed Processing Symposium. The 6th International Workshop on Parallel and Distributed Scientific and Engineering Computing (IPDPS-PDSEC'05)*. IEEE Computer Society Press.
- Ryan, Peter, L., Youngblook, Ramey C., Harvill, Jane L., and Willard, Scott. (2005) "Photonic Monitoring in Real Time of Vascular Endothelial Growth Factor Receptor 2 Gene Expression under Relaxin-Induced

- Conditions in a Novel Murine Wound Model,” *Annals of the New York Academy of Science*, **1041**, pp. 398-414.
- Shedd, Omer L., S.F. Sears, J.L. Harvill, A. Arshad, J.B. Conti, J.S. Steinberg, and A.B. Curtis. (2004) “The World Trade Center Attack: Increased Frequency of Defibrillator Shocks for Ventricular Arrhythmias in Patients Living Remotely from New York City,” *The Journal of Cardiovascular Electrophysiology*, **44**, pp. 1265-1267.
- Harvill, Jane L., and Ray, Bonnie (2003) “Functional Coefficient Autoregressive Modeling for Multivariate Temporal Data,” *Proceedings of the 2003 Joint Statistical Meetings*, Invited Session No. 158, “Topics in Environmental Statistics.”
- Harvill, Jane L., and Ray, Bonnie K. (2000) “Lag Identification for Vector Nonlinear Time Series,” *Communications in Statistics A, Theory and Methods*, Vol. 29, No. 8, pp. 1677-1701.
- Harvill, Jane L., and Ray, Bonnie K. (1999) “A Note on Tests for Nonlinearity in a Vector Time Series,” *Biometrika* Vol. 86, No. 3.
- Harvill, Jane L. (1999) “Testing Time Series Linearity via Goodness of Fit Methods,” *Journal of Statistical Planning and Inference*, Vol. 75, No. 2, pp. 331 - 341.
- Newton H.J., and Harvill, Jane L. (1998) “StatConcepts: A Visual Tour of Statistical Ideas,” *JSM 1997 Proceedings*, Invited Session.
- Harvill, Jane L., and Newton, H.J. (1995) “Saddlepoint approximations for the difference of order statistics”, *Biometrika*, Vol. 82, No. 1, pp. 226 - 231.
- Harvill, Jane L., and Newton, H.J. (1995) “Using Symbolic Math to Evaluate a Saddlepoint Approximation for the Density and Distribution of the Difference of Order Statistics”, *Communications in Statistics B, Computation and Simulation Series*, Vol. 24, No. 3, pp. 781 - 791.
- Harvill, Jane L. (1993). “MINITAB Statistical Software, 7.2, Release 7.2, SUN-4 Version”, *Chemom. Intell. Lab. Syst.* , 18, 111-112.
- Fuenteabla, I. C., N. T. Mahoney, J. A. Shaddock, Jane Harvill, V. Wicher, K. Wicher (1992). “Hepatic Lesions in Rabbits Infected with Encephalitozoon Cuniculi Administered per Rectum”, *Veterinary Pathology* , Vol. 29, pp. 536 - 540.

#### Contributed Proceedings Publications:

- J. M. Prince, J. D. Madsen, D. R. Shaw, J. L. Harvill, G. E. Ervin, J. L. Martin, and S. A. Samson. Modeling Eurasian Watermilfoil (*Myriophyllum spicatum*) with Geographic Information Systems. Midsouth Aquatic Plant Management Society Conference. Sep. 15-17, 2009, Lake Guntersville State Park, AL.
- Logue, D.B., Lestrade, J.P., and Harvill, Jane L. (2004) “An Autoregressive Model of Gamma-Ray Bursts Time Profiles,” *Journal of the Mississippi Academy of Sciences*, Volume 29.
- Jahan, Nusrat, and Harvill, Jane L. (2003) “Goodness-of-Fit Test for Noncentral Chi-square Distribution with Unknown Noncentrality Parameter,” *Proceedings of the 2003 Joint Statistical Meetings*, Contributed Paper.
- Harvill, Jane L., and Ray, Bonnie K. (1999) “Testing for Nonlinearity in a Vector Time Series,” *Proceeding of the 1998 Joint Statistical Meetings*, Special Contributed Session.

#### Books and Software

- Newton H.J., and Harvill, Jane L. (2001) *StatConcepts: A Visual Tour of Statistical Ideas in S-Plus*, Duxbury Press. (Packaged jointly with *The Elements of Statistics* by James Ramsey)
- Harvill, Jane L., and Carroll, Julie H. (2000) *Solutions Manual for StatConcepts: A Visual Tour of Statistical Ideas*, Duxbury Press

Newton H.J., and Harvill, Jane L. (1997) *StatConcepts: A Visual Tour of Statistical Ideas*, Duxbury Press

### Book Reviews

- Harvill, Jane L. (2010) *The American Statistician*, to appear. “Review of *An Introduction to Statistical Methods and Data Analysis*, Sixth Edition, (2008) Lyman Ott and Michael T. Longnecker, Brooks/Cole, Belmont, California. (To appear.)
- Harvill, Jane L. (2009) *The American Statistician*, to appear. “Review of *Semiparametric Regression for the Social Sciences*, (2008) Luke Keele, John Wiley & Sons: New York.
- Harvill, Jane L. (2009) *Journal of the American Statistical Association*, **104**, to appear. “Review of *Intermediate Probability: A Computational Approach*,” (2007) Marc S. Paoella, John Wiley & Sons, Ltd.: Chichester, West Sussex.
- Harvill, Jane L. (2009) *Journal of the American Statistical Association*, **104**, to appear. “Review of *Theory and Applications of Long-Range Dependence*,” (2003) Paul Doukhan, George Oppenheim, and Murad S. Taqqu (Eds.), Birkhäuser: New York, NY.
- Harvill, Jane L. (2009) *The American Statistician*, **63**, to appear. “Review of *Introduction to Statistics for Biology*, Third Edition” (2007) Robin H. McCleery, Trudy A. Watt, and Tom Hart, Chapman & Hall/CRC: Boca Raton, Florida.
- Harvill, Jane L. (2008) *The American Statistician*, **62**, pp. 179-180. “Review of *Fundamental Probability: A Computational Approach*” (2006) Marc S. Paoella, John Wiley & Sons, Ltd.: Chichester, West Sussex.
- Harvill, Jane L. (2008) *Journal of the American Statistical Association*, **103**, pp. 425-426. “Review of *Essentials of Statistical Inference*” (2005) G.A. Young and R.L. Smith, Cambridge University Press: New York, NY.
- Harvill, Jane L. (2007) *Journal of the American Statistical Association*, **102**, p. 1083. “Review of *Modeling Financial Time Series with S-Plus*, Second Edition (2006) Eric Zivot and Jiahui Wang, Springer: New York.
- Harvill, Jane L. (2007) *Journal of the American Statistical Association*, **102**, pp. 389-390. “Review of *Analysis of Integrated and Co-Integrated Time Series with R*” (2006) Bernhard Pfaff, Springer: New York.

### Technical Reports

- Zhou, F., Harvill, J.L., Sekikawa, A., and LaPorte, R.E. (2003) “Applications of Statistical Quality Control Charts in Epidemiology,” University of Pittsburgh Graduate School of Public Health.
- Harvill, J.L., Zhou, F., Sekikawa, A., and LaPorte, R.E. (2003) “Applications of Statistical Quality Control Methods in Epidemiology.” University of Pittsburgh Graduate School of Public Health.
- Harvill, Jane L., and Ray, Bonnie K. (1999) “Testing for Nonlinearity in a Vector Time Series.”

### Work in Progress:

- Harvill, Jane L. “Bispectral analysis of nonlinear time series.”
- Harvill, Jane L., Ray, Bonnie, and Ravishanker, Nalini. “Bispectrum-based Comparison.”
- Harvill, Jane L., and Lund, Robert. “Asymptotically efficient estimators in periodic time series.”
- Harvill, Jane L. and Newton, H.J. “Conditions for stability of a periodic time series.”
- Harvill, Jane L. and Newton, H.J. “An Introduction to Time Series Analysis,” graduate level text book.
- Shaw, David, Gray, Cody, and Harvill, Jane L. “Weed Management Strategies”

Presentations:

- Harvill, J.L., Ravishanker, Nalini, and Ray, Bonnie K. (2010) "Bispectral-based methods for clustering nonlinear time series." Special Contributed Session, No. 579, JSM, Vancouver, BC.
- Terry, Bonnie, and Harvill, J.L. (2010) "Spatial Analysis of Soil in Impaired Watershed Areas." Poster Session, No. 429, JSM, Vancouver, BC.
- Harvill, J.L., Ravishanker, Nalini, and Ray, Bonnie K. (2010) "Bispectral-based methods for clustering nonlinear time series." Invited Talk, ICSA Symposium, Indianapolis, IN.
- Harvill, J.L. (2009) "Frequency Domain Bootstrap Test for Time Series Linearity." Colloquium in the Department of Statistics, University of South Carolina, Columbia, South Carolina.
- Harvill, J.L. (2009) "Frequency Domain Bootstrap Test for Time Series Linearity." Invited presentation at the Conference of Texas Statisticians.
- Harvill, J.L. (2008) "Frequency Domain Bootstrap Test for Time Series Linearity." Contributed Session, No. 65, Joint Statistical Meetings, Denver, Colorado.
- Harvill, J.L. (2007) "Applications of Nonparametric Smoothing to Spatial and Temporal Data: A Discussion." Topic Contributed Session, No. 412, Joint Statistical Meetings, Salt Lake City, Utah.
- Harvill, J.L. (2006) "A Hybrid Approach to Nonlinear Time Series," Invited talk, Baylor University.
- Harvill, J.L. (2006) "A Hybrid Approach to Nonlinear Time Series," Colloquium Series, MSU.
- Harvill, J.L. (2005) "A Hybrid Approach to Nonlinear Time Series," Invited talk, "12th Annual International Conference on Statistics and Combinatorics," Auburn University.
- Harvill, J.L. (2005) "A Hybrid Approach to Nonlinear Time Series," Invited colloquium presentation, Department of Statistics, Brigham Young University.
- Harvill, J.L. (2005) "Multi-step forecasting with functional coefficient autoregressive models," Joint Statistical Meetings, Regular contributed session no. 137, Minneapolis, Minnesota.
- Harvill, J.L. (2004) "Modeling and prediction in vector nonlinear time series," Department of Mathematics Statistics Seminar Series, University of Mississippi, Oxford, Mississippi.
- Harvill, J.L. (2004) "A First Course in Statistical Computing: A Discussion," Invited Talk, JSM Toronto, Canada
- Harvill, J.L. (2004) "Modeling and Prediction for Vector Nonlinear Time Series," Invited Talk, International Chinese Statistical Association Conference, Singapore
- Harvill, J.L. (2004) "Functional Coefficient Autoregressive Modeling for Multivariate Temporal Data," Invited Talk, Statistics Symposium, Arkansas State University.
- Harvill, J.L. and Ray, Bonnie R. (2004) "Functional Coefficient Autoregressive Modeling for Multivariate Temporal Data," IBM Watson Research Labs Seminar Series.
- Harvill, J.L. and Ray, Bonnie R. (2003) "Functional Coefficient Autoregressive Modeling for Multivariate Temporal Data," Department of Statistics Colloquium Series, Rice University.
- Harvill, J.L. and Ray, Bonnie R. (2003) "Functional Coefficient Autoregressive Modeling for Multivariate Temporal Data," Joint Statistical Meetings, Invited Session, San Francisco, California.
- Harvill, Jane L. (2003) "Lotto Luck: A Lottery Simulation", Sonia Kovalevsky Day, Mississippi State University
- Harvill, Jane L. (2002) "Biostatistics for Dummies", NIH Program of Excellence in Biomedical Computing, Cross-training Seminar, ERC, Mississippi State University.
- Harvill, Jane L. (2002) "Lotto Luck: A Lottery Simulation", Mu Alpha Theta National Convention, Mississippi State University

- Harvill, Jane L. (2001) “Applications in Non-linear Time Series”, Mississippi University for Women
- Harvill, Jane L. (2000) “Lag Identification for Vector Nonlinear Time Series,” Mississippi Academy of Sciences Meetings, Biloxi, Mississippi.
- Harvill, Jane L. (1999) “Lag Identification for Vector Nonlinear Time Series,” Department of Statistics, Texas A&M University, College Station, Texas.
- Harvill, Jane L. (1999) “Lag Identification for Vector Nonlinear Time Series,” Department of Statistics, University of South Carolina, Columbia, South Carolina.
- Harvill, Jane L., and Ray, Bonnie K. (1999) “Lag Identification for Vector Nonlinear Time Series,” Special Contributed Session,” JSM, Baltimore, Maryland 1999.
- Harvill, Jane L., and Ray, Bonnie K. (1998) “A Test for Multivariate Non-linearity of a Time Series,” Contributed Session, JSM, Dallas, Texas, 1998.
- Harvill, Jane L. (1998) Four part lecture series on Density Estimation in Statistical Computing, Bowling Green State University.
- Harvill, Jane L. (1997) “Testing Time Series Gaussianity and Linearity via Goodness of Fit Methods.” Invited talk, Department of Mathematics and Statistics, Bowling Green State University.
- Harvill, Jane L. (1997) “Testing Time Series Gaussianity and Linearity via Goodness of Fit Methods.” Invited talk, Department of Mathematics and Statistics, Mississippi State University.
- Harvill, Jane L. (1997) “StatConcepts: A Visual Tour of Statistical Ideas”, *Using Graphics to Teach Statistics, and Statistics to Teach Graphics* Invited Session, JSM, Anaheim, California, 1997
- Harvill, Jane L. (1997) “I. Testing Time Series Gaussianity and Linearity and II. *StatConcepts*,” Pathways Conference, Joint Statistical Meetings, Anaheim, California.
- Harvill, Jane L. (1997) “Testing Time Series Gaussianity and Linearity via Goodness of Fit Tests on the Bispectral Density Estimators,” Department of Statistics, Stanford University, Stanford, California.
- Harvill, Jane L. (1997) “Testing Time Series Gaussianity and Linearity via EDF Tests on the Bispectral Density Estimators,” Eugene Lukacs Symposium, Bowling Green State University.
- Harvill, Jane L. (1997) “Testing Time Series Gaussianity and Linearity via EDF Tests on the Bispectral Density Estimators,” Department of Mathematical Sciences, University of Arkansas.
- Harvill, Jane L. (1995) “Time Series Ghosts,” Department of Mathematics and Statistics Colloquium, Bowling State University.

### Editing and Refereeing Activities

- Associate Editor, *Journal of the American Statistical Association*, 2006 to present
- Associate Editor, *The American Statistician*, 2002 to present
- Associate Editor, *Computational Statistics*, 2000 to 2006
- Associate Editor, *Journal of Statistical Computation and Simulation*, 1999 to 2002
- Referee for *Technometrics*
- Referee for *Statistics and Probability Letters*
- Referee for *Journal of the American Statistical Association*
- Referee for *The American Statistician*
- Referee for *Annals of Statistics*
- Referee for *Biometrika*
- Referee for *Communications in Statistics*
- Reviewed books for Prentice Hall
- Reviewed books for Duxbury
- Reviewed books for Springer-Verlag

Thesis and Student Masters/Ph.D. Committees - by graduation date

Current	Major Advisor: Linda Njoh, Ph.D. student in Statistical Science, Baylor.
Current	Major Advisor: Christie Finch, Ph.D. student in Statistical Science, Baylor.
Current	Committee member: Sharon Conry, Ph.D. student in Biology, Baylor.
Current	Committee member: Darrel Murray, Ph.D. student in Biology, Baylor.
Current	Minor Advisor: Joby Prince, Ph.D. in Weed Science, MSU.
2008	Committee member: Jesus Cuellar-Fuentes, Ph.D. in Statistical Science, Baylor.
2007	Major Advisor: Nusrat Jahan, Ph.D. in Mathematical Sciences with a Concentration in Statistics, MSU.
2007	Minor Advisor: Victoriya Volkova, Ph.D. in Veterinary Medical Science.
2007	Minor Advisor: Wade Givens: M.S. in Weed Science.
2005	Major Advisor: Nibiao Zheng, M.S. in Statistics, MSU.
2005	Major Advisor: Xiaowei Tian, M.S. in Statistics, MSU.
2005	Committee Member: Xiaoying Tian, M.S. in Statistics, MSU.
2004	Major Advisor: Nick Pritchard, M.S. in Statistics, MSU.
2004	Committee member: Justin Shows, M.S. in Statistics, MSU.
2003	Committee member, Jixiang Wu, M.S. in Statistics, MSU.
2003	Committee Member: Richard Chou, M.S. in Statistics, MSU.
2001	Major Advisor: Zhe Zhang, M.S. in Statistics, MSU.
2001	Major Advisor: Yuan Xiang, M.S. in Statistics, MSU.
2001	Major Advisor: Juan Wu, M.S. in Statistics, MSU.
2001	Major Advisor: Jianli Qu, M.S. in Statistics, MSU.
2001	Major Advisor: Sonna Leigh Cranford, M.S. in Statistics, MSU.
2000	Major Advisor: Jianhua Shen, M.S. in Statistics, MSU.
2000	Major Advisor: Ruwanganie Gunatilleke, M.S. in Statistics, MSU.
2000	Major Advisor: Shumei Li, M.S. in Statistics, MSU.
2000	Major Advisor: Beth Baker, M.S. in Statistics, MSU.
2000	Committee Member: Ling Zhao, M.S. in Statistics, MSU.
2000	Committee Member: Ken Powers, M.S. in Statistics, MSU.
2000	Committee Member: Xiaoxing Liu, M.S. in Statistics, MSU.
1999	Major Advisor: Mickey Dunlap, M.S. in Statistics, MSU.
1999	Minor Advisor: Suresh Balakrishnama, M.S. in Electrical Engineering, Minor in Statistics, MSU.
1998	Thesis committee member for Lenard Wynn, M.S. in Sociology, BGSU.
1997	Thesis committee member for Gurdeep Bhatia, M.S. in Statistics, BGSU.
1996	Dissertation Committee Member for Inmaculada C. Baltazar-Aban: Ph.D. in Mathematical Sciences, BGSU.
1995-	Dissertation Committee Member for Ruth LeuEllen, Department of Biology, BGSU.

Courses Taught:

<b>Course Description</b>	<b>University</b>	<b>Times Taught</b>
MATH 0003: Developmental Algebra	ASU	6
MATH 0013: Intermediate Algebra	ASU	3
MATH 0023: College Algebra	ASU	3
STAT 201: Elementary Statistical Inference	Texas A&M	1
STAT 302: Statistical Methods (Biological Science Majors)	Texas A&M	4
STAT 303: Statistical Methods (Sociology Majors)	Texas A&M	2
STAT 221: Engineering Statistics	Texas A&M	2
STAT 211: Elementary Statistical Methods I	BGSU	4
STAT 212: Elementary Statistical Methods II	BGSU	8
STAT 315: Introduction to Statistical Inference	BGSU	1
STAT 508: Experimental Design	BGSU	2

STAT 514: Statistical Quality Control	BGSU	2
STAT 516: Time Series Analysis	BGSU	2
STAT 600: Regression and Design	BGSU	3
MA 1313: College Algebra	MSU	1
ST 2113: Statistics for the Behavioral Sciences	MSU	1
ST 3123: Introduction to Statistical Inference	MSU	3
ST 6111: Seminar in Statistical Packages	MSU	2
ST 6211: Statistical Consulting	MSU	4
ST 6313: Introduction to Spatial Statistics	MSU	1
ST 6523: Introduction to Probability	MSU	4
ST 6543: Introduction to Mathematical Statistics I	MSU	3
ST 6573: Introduction to Mathematical Statistics II	MSU	3
ST 6990: <i>S-Plus</i> and Statistical Computing	MSU	1
ST 8114: Statistical Methods	MSU	2
ST 8253: Regression Analysis	MSU	2
ST 8613: Linear Models I	MSU	1
ST 8353: Statistical Computations	MSU	3
ST 8533: Applied Probability	MSU	3
ST 8951: Seminar in Statistics	MSU	2
STA 2381: Introductory Statistical Methods	Baylor	4
STA 4373: Computational Methods in Statistics	Baylor	1
STA 5300: Statistical Methods	Baylor	1
STA 5362: Time Series Analysis	Baylor	2
STA 5377: Spatial Statistics	Baylor	1
STA 5V85: Practice in Statistics	Baylor	4

#### Center and Institute Involvement:

- Member of Center for Computational Science, ERC, 2002 - Aug., 2007
- Co-director of Biostatistics Research Resources Sub-core, Center for Biomedical Research Excellence, 2003 - 2005
- Member of Center for Biomedical Research Excellence, 2003 - 2004
- Member of NIH Program of Excellence for Biomedical Computing, 2002 - 2003

#### Professional Society Memberships:

- American Statistical Association (ASA)
  - Section on Nonparametrics
  - Section on Statistical Computing
  - Section on Statistics Education
- Mathematical Association of American (MAA)

#### Professional Service:

- Program chair, JSM, Vancouver, BC, 2010.
- Program chair, JSM, Denver, Colorado, 2008.
- Program chair, SRCOS Summer Research Conference, Charleston, SC, June 9, 2008.
- Council of Sections Representative to the ASA for the Section on Statistical Computing, Aug., 2007 – present
- Program chair, JSM, Salt Lake City, Utah, 2007
- Program chair, SRCOS Summer Research Conference, Clemson University, June 5 - 8, 2005
- Session chair, SRCOS Summer Research Conference, Clemson University, June 6, 2005
- Co-organizer of Sonia Kovalevsky Day, April 22, 2005
- Co-organizer of Sonia Kovalevsky Day, April 11, 2003
- Co-organizer of SRCOS Summer Research Conference, Natchez, Mississippi, June, 2002



- Web site administrator, statistics curriculum specialists and other activities associated with Institute for Algebra and Quantitative Literacy, AY 2001-2002
- Mississippi State University Representative to Southern Regional Council of Statistics (SRCOS) (July, 1999 - May, 2007)
- Statistical Computing Session Chair, JSM, Baltimore, Maryland, 1999
- Founding Board Member for *Statistics Former Student Fellowship Fund*, Texas A&M University (August, 1998 - present)
- Biometrics Session Chair, JSM, Dallas, Texas, 1998
- Chair of Session in Eugene Lukacs Symposium, Bowling Green State University, Bowling Green, Ohio, 1998
- Co-organizer of *Ohio Statistics Conference*
- Biometrics Session Chair, JSM, Anaheim, California, 1997
- Co-organizer of Conference of Texas Statisticians
- Organizer of *Medical Uses in Statistics Short Course* hosted jointly by the Southeast Texas Chapter of the American Statistical Association (SETCASA) and the American Statistical Association
- Time Series Analysis Session Chair, JSM, Chicago, Illinois, 1996
- Time Series Analysis Session Chair, JSM, San Francisco, California, 1994
- Organizer of Annual SETCASA Conference
- Secretary of SETCASA, 1992 – 1994

#### Academic Service:

- Chair of Departmental Search Committee, Baylor University, August, 2008 - present.
- Member of Promotion and Tenure Committee, Baylor University, August, 2007 - August, 2008.
- Secretary/Treasurer of University Christian Faculty Forum, Feb., 2006 - August, 2006
- College of Arts & Sciences Tail Gate Committee, 2005-2006
- College of Arts & Sciences Scholarship Committee 2004-2006
- Founding member of Christian Faculty Forum, 2005
- Member of Statistics Committee, Department of Mathematics and Statistics, Mississippi State University, August, 1998 - May., 2006; Chair, 2005- May, 2007
- Statistics Graduate Advisor (MSU), 2005- May, 2007
- Member of Graduate Coordinating Committee (MSU), 2005-May, 2007
- Elected member of Departmental Advisory Committee (MSU), 2005-2007
- Elected member of Departmental Promotion and Tenure Committee, 2005-2007
- Elected member of Department Head Search Committee, 2005-2006
- Elected member of Evaluation of Classroom Teaching Committee 2004-2006; Chair, 2005-2006
- Member of Student Recruiting Committee 2003- May, 2007
- Department Web Page Administrator; 2005- May, 2007
- Assist with Statistics part of Mathematics & Statistics Department web pages, August, 2002 - 2005.
- Member of ST 2113/ST 3113 committee, Department of Mathematics and Statistics, Mississippi State University, 2002- Aug., 2007; Chair, 2002-2003
- Appointed member of the 2005 Faculty Awards' Selection Committee
- Chair of Statistics Search Committee 2003-2004
- Member of task force to define External Advisory Committee policies, 2003
- Chair of Statistics Search Committee 2002-2003
- Member of Numerical Analysis Search Committee 2002-2003
- Member of Screening Committee, Department of Mathematics and Statistics, Mississippi State University, AY 2000-2001.
- Member of Evaluation of Classroom Teaching Committee, Department of Mathematics and Statistics, Mississippi State University, August, 1999 - Aug., 2007.
  - Chair of ECTC, AY 2000-2001
  - Member of Ad Hoc Committee, AY 2000-2001.
- Member of Department Head Search Committee, Department of Mathematics and Statistics, Mississippi State University (1999)

- Member of Colloquium Committee, Department of Mathematics and Statistics, Mississippi State University (August, 1998 - August, 2007)
- Member of Computing and Technology Committee, Department of Mathematics and Statistics, Mississippi State University (August, 1998 - May, 2000)
- Member of Student Recruitment Committee, Department of Mathematics and Statistics, Mississippi State University (August, 1998 - May, 2000)
- Member of College of Business Administration Faculty Council, Bowling Green State University
- Member of University Computing Council, Bowling Green State University
- Member of College of Business Administration Graduate Advisory Council, Bowling Green State University
- Chair of Department Undergraduate Recruiting Committee, Bowling Green State University
- Web page administrator, Department of Applied Statistics and Operations Research, Bowling Green State University, 1996 to May, 1998
- Graduate Coordinator and Advisor for Master of Science in Applied Statistics (MSAS) Program 1996 - 1998, Bowling Green State University
- Chair of Statistics Program Committee for MSAS Program
- Undergraduate Advisor for Bachelor of Science in Business Administration, Applied Statistics Specialization, Bowling Green State University

#### Computing Skills:

- Operating Systems: Unix, Windows (all variants)
- Programming Languages: FORTRAN 77, 90, 95, 2000, *S (R)*, HTML
- Statistical Analysis/Mathematics Packages: SAS, S-Plus, Minitab, Mathematica, Timeslab, Matlab
- Other: T<sub>E</sub>X, L<sub>A</sub>T<sub>E</sub>X, Microsoft Word