

## Jaimie L. Hebert

P.O. Box 6053  
Huntsville, TX 77342

Business: (936) 294-1001  
Residence: (936) 355-5488  
Email: [hebert@shsu.edu](mailto:hebert@shsu.edu)

### EDUCATION

Ph.D. in *Statistics*, University of Louisiana - Lafayette, 1990  
Master of Science in *Statistics*, University of Louisiana - Lafayette, 1988  
Bachelor of Science in *Statistics*, University of Louisiana - Lafayette, 1986

### PROFESSIONAL EXPERIENCE

2011 – present      *Provost and Vice President of Academic Affairs*  
Sam Houston State University  
2005 – 2011      *Dean, College of Arts and Sciences*  
Sam Houston State University  
1999 – 2005      *Chair and Professor of Statistics*  
Dept of Mathematics and Statistics  
Sam Houston State University  
1995 – 1999      *Assistant, Associate Professor of Statistics*  
Sam Houston State University  
1990 – 1995      *Assistant Professor of Mathematical Science*  
Appalachian State University

### ADMINISTRATIVE HIGHLIGHTS

*Department of Mathematics and Statistics*

- Secured funding and official status for the Reeves Center for Mathematics Education
- Cover story in *Mathematics Monthly* highlighting undergraduate research program
- Restructured developmental mathematics program to incorporate required laboratory hours in lower level courses, required use of on-line tutoring services, and raising standards for entry into freshman level mathematics courses.
- Established a self-sufficient Mathematics Tutoring Lab available to students throughout campus
- Led in the development of a Department of Computer Science - separated from Mathematics and Statistics
- Masters degree in Digital Forensics
- Proposed Doctorate in Mathematics Education to the Texas State Board of Regents and Texas Higher Education Coordinating Board. The proposal resulted in a joint program with Texas State University.
- Grew the number of Teaching Assistantships from six shared by four programs to over twenty.

*College of Arts and Sciences*

- Funded research increased by 300%
- Publications and creative works increased by 200%
- Established graduate program in Applied GIS within the Department of Geography and Geology – first graduate program in the department
- Established on-line master's degree in Quality and Information Assurance
- Established master's degree in Music Therapy
- Established a Nursing program and a Department of Nursing – wrote initial proposal, recruited all faculty, established agreements with local hospitals, secured adequate budgetary funding to run the program
- Established Office of Medical and Allied Health Professions to assist pre-professional students with specialized advisement, preparation for admissions, and career path guidance
- Established freshman immersion program in Department of Art
- Established Aquatics Research facility at Biological Field Station
- Secured permanent operating and equipment budget for the Biological Field Station
- Established exchange agreements throughout Europe, Asia, Central and South America
- Facilitated student group travel to 14 countries

#### *Division of Academic Affairs*

- Developed and implemented a streamlined strategic planning and budgeting process
- Initiated a formal program review process for graduate programs and developed a similar process for undergraduate programs (implementation begins Fall 2013)
- Centralized new faculty orientation into the faculty development center and coordinated it through associate deans in the colleges to improve consistency and efficiency in providing information
- Established Provost's breakfast series for new faculty to address topics that are not covered in orientations
- Established an Office of Academic Planning and Assessment to centralize assessment activities and coordinate divisional planning
- Developed on-line advising capabilities through the SAM (Student Advising and Mentoring) Center
- Worked with the Division of Enrollment Management to establish a joint program marketing effort for undergraduate programs
- Developed and implemented an initial start-up plan for The Woodlands Center, including personnel resources, furnishing needs, timelines for programs, initial scheduling and responsibilities for all personnel
- Reorganized Correspondence and Continuing Education, placing them within DELTA and hired a coordinator to oversee and grow these enterprises
- Established the Center for Academic Civic Engagement

- New programs approved in Entrepreneurship (BBA), Biomedical Science (BS), General Studies (BGS), Industrial Technology-Electronics and Computer Engineering Technology (BS), Victim Studies (BS), Creative Writing, Publishing and Editing (MA), Project Management (MS), Forensic Science (PhD), and Instructional Technology (EdD)
- New degree programs proposed in Interdisciplinary Agriculture-Agriculture Communications (BS), Computer Science-Software Engineering (BS), Public Health Administration (BS) and Digital Media (MA)
- Initiated organizational changes to enhance effectiveness and efficiency in educational missions: Established a new College of Fine Arts and Mass Communication; a School of Nursing; a split of the Department of Theatre and Dance into a Department of Theatre and Musical Theatre and a Department of Dance; Established a Department of Criminal Justice and Criminology, a Department of Forensic Science, and a Department of Security Studies within the College of Criminal Justice; established a new College of Health Sciences
- Reorganized reporting structures to incorporate centralized administration of Student Success Initiatives
- Established an Austin Internship program to place students in legislative offices during session

## **SERVICE AND PROFESSIONAL ACTIVITIES**

### *University Related*

- Academic Affairs Council
- Council of Academic Deans
- Academic Policy Council
- Banner/ERP Steering Committee
- SACS Compliance Committee (2009 reaffirmation)
- SACS Policy Committee (1999 reaccreditation)
- Faculty Evaluation Committee (chaired)
- Core Curriculum Assessment Committee
- Faculty Grievance Committee (chaired)
- Athletic Advisory Council (chaired)
- Standing Faculty Tenure Committee
- Texas Success Initiative Committee
- Faculty Senate

### *Discipline/Administrative Related*

- Treasurer, *Texas Association of Chief Academic Officers* (2014 – present)
- Secretary-Treasurer, *Mathematical Association of America, Texas Section* (2005-2008)
- Senior Research Editor, *Journal of Developmental Education*, (1996 - 2005)

- Executive Committee, *Mathematical Association of America, Texas Section* (2001-2005)
- Research Editor, *Journal of Developmental Education* (Fall 1991 - Spring 1995)
- Referee, *Communications in Statistics*, (Spring 1995 – present)
- Referee, *The American Statistician*, (Fall 1997 – present)

#### *Student Related*

- Advisor, SHSU Rotoract Club (Fall 1999 – 2004)
- Advisor, SHSU Stat Club (Fall 1996-2000)
- Advisor, ASU Math Club (Fall 1992 - Spring 1995)
- Advisor, ASU CoMap Mathematics Modeling Team, (Spring 1995)
- Advisor, Tau Kappa Epsilon Fraternity (Fall 1991 - Spring 1995)

#### *Community Related*

- Rotary Club of Huntsville (President, Vice President, Treasurer, Director)
- Huntsville Girls Softball Association (Board member)

## **HONORS AND AWARDS**

Paul Harris Fellow – Rotary International (2008)

Faculty Senate Outstanding Administrator Award (2006)

ASU Project Development Award (1993)

TKE Grand Prytanis National Key Leadership Award (1995)

SGA Outstanding Teacher Award Nominee (1993, 1994, 1995)

ΦΚΦ Honor Society

## **PUBLICATIONS**

### *REFEREED JOURNAL ARTICLES*

1. Hebert, J. L. and Koudelik, P. R., “A Comparison of Reliability Estimators Under Pitman’s Measure of Closeness,” (submitted).
2. Hebert, J. L. and Scariano, S. M. (2004) “Comparing Location Estimators for Exponential Mixtures Under Pitman’s Measure of Closeness,” *Communications in Statistics* Vol. 33, No. 1, 29-46.
3. Hebert, J. L. and Scariano, S. M., (2003) “Adapting EWMA Control Charts for Batch-Correlated Data,” *Quality Engineering* Vol.15, No. 4, 545-556.
4. Hebert, J. L. and Arnholt, A. (2001) “Optimal Combinations of Estimators,” *Interstat*, March No. 2.
5. Merianos, D., Marquart, J., Hebert J. L. and Damphousse, K. (1997) “From the Outside In: Using Public Health Data to Make Inferences About Older Inmates,” *Crime and Delinquency* 43:3 298-313.
6. Merianos, D. Marquart, J., Hebert J. L. and Carroll, L. (1997) “Health Conditions and Prisoners: A Review of Research and Emerging Areas of Inquiry,” *The Prison Journal* 77:2 184-208.

7. Hebert, J. L. and Carpenter, M. (1997) "Estimating Guaranteed Lifetimes of Systems in a Random Environment," *Communication in Statistics-Theory and Methods* 26:2 309-316.
8. Hebert, J. L. (1997) "Properties of the Dirichlet-Exponential Mixture," *Proceedings of CAM\*97* 111-119.
9. Button, C. and Hebert, J. L. (1997) "Unsupervised Classification of Remotely Sensed Images with Spatially Augmented Data," *Proceedings of CAM\*97* 58-67.
10. Arnholt, A. T. and Hebert, J. L. (1995), "Estimating the mean with known coefficient of variation," *The American Statistician* 49, 367-369.
11. Arnholt, A. T. and Hebert, J. L. (1995), "A note on the expected time until next failure with an on-going experiment," *Seagate Technical Research Journal*, Seagate Technology, Oklahoma City, OK, REL-TECH-RPT-96001A, 1-13.
12. Huddy, D. C., Hebert, J. L., Hyner, G. C., and Johnson, R. L. (1995), "Facilitating changes in exercise behavior: effect of structured statements of intention on perceived barriers to action," *Psychological Reports* 76, 867-875.
13. Carpenter, M. and Hebert, J. L. (1995), "Estimating the minimum and maximum location parameters for two IG-exponential scale mixtures," *Communications in Statistics: Theory and Methods* 24, 1227-1233.
14. Hebert, J. L. and Seaman, J. W., Jr. (1994), "The variance of a left-truncated mixed exponential process," *Journal of Applied Probability* 31, No. 1, 167-179.
15. Hebert, J. L. (1994), "Generating moments of exponential scale mixtures," *Communications in Statistics: Theory and Methods* 23, 1173-1180.
16. Hebert, J. L. (1994), "Moments of inverted scale mixtures," *Communications in Statistics: Theory and Methods* 23, 1181-1189.
17. Carpenter, M. and Hebert, J. L. (1994), "Estimating the minimum and maximum location parameters for two gamma-exponential scale mixtures," *Communications in Statistics: Theory and Methods* 23, 2367-2377.
18. Bauldry, W. B. and Hebert, J. L. (1993), "Truncation and variance in scale mixtures," *Mathematical Computation with Maple V: Ideas and Applications*, Thomas Lee (editor), Birkhauser, Boston, 67-76.

#### FORMALLY PUBLISHED PROCEEDINGS

19. Hebert, J. L. and Westbay, J. (2002) "Exact Run Lengths for One-sided Exponential Mixture CUSUM Charts" *Proceedings of the Joint Meetings of the American Statistical Association, IMS, and Biometric Societies: Section on Quality and Production* (electronically published by ASA).
20. Hebert, J. L. and Bandalisiri, W. A. (2002) "Nonparametric Bootstrap Estimation of Location Extrema in Exponential Mixture Models" *Proceedings of the Joint Meetings of the American Statistical Association, IMS, and Biometric Societies: Section on Physical and Engineering Statistics* (electronically published by ASA). Arrambide, L. S. and Hebert, J. L. (1999) "Effects of Sub-sampling on Classification Methods Applied to Remotely Sensed Images," *Proceedings of the Joint Meetings of the ASA, IMS, and Biometric Societies: Section on Environmental Statistics*, pp. 124-129.
21. Cooper, P. A. and Hebert, J. L. (1999) "Retro-engineering Medium-Scale Client-Server Applications," *Proceedings of WEBNET '99* Honolulu, HW.

22. Hebert, J. L. and Miller, M. (1998) "Properties of the Reliability Function for Systems of Exponential Mixtures," *Proceedings of the Joint Meetings of the ASA, IMS, and Biometric Societies: Section on Physical and Engineering Statistics* 126-130.
23. Arnholt, A., Hebert, J. L., and Johnston, D. (1998) "Estimating the Mean with a Bootstrapped Coefficient of Variation," *Proceedings of the Joint Meetings of the ASA, IMS, and Biometric Societies: Section on Statistical Computing* 110-115.
24. Hebert, J. L. (1997) "Unsupervised Classification with Spatially Adapted Data," *Proceedings of the Joint Meetings of the ASA, IMS, and Biometric Societies: Section on Environmental Statistics*, 113-117.
25. Xie, J., Carpenter, M., and Hebert, J. L. (1996), "Estimation in the presence of unknown mixing parameters in systems of two components in a common environment," *Proceedings of the Joint Meetings of the ASA, IMS, and Biometric Societies: Section on Physical and Engineering Science*, 68-70.
26. Ren, Q., Hebert, J. L., and Carpenter, M. (1996) "Estimating the minimum and maximum location parameters for two gamma-exponential mixtures in Pitman Measure," *Proceedings of the Joint Meetings of the ASA, IMS, and Biometric Societies: Section on Physical and Engineering Science*, 128-131.
27. Plank, P. Carpenter, M. and Hebert, J. L. (1996), "Using cluster and classification analysis to detect the impact of military training on the environment: a case study," *Proceedings of the Joint Meetings of the ASA, IMS, and Biometric Societies: Section on Environmental Statistics*, 119-122.
28. Arnholt, A. T. and Hebert, J. L. (1996), "Estimation and prediction for multiple batch experiments with variable start times," *Proceedings of the Joint Meetings of the ASA, IMS, and Biometric Societies: Section on Physical and Engineering Science*, 204-208.

#### TECHNICAL REPORTS

29. Hebert, J. L., Cooper, P., Konen, H., and Smith, G. (1999) "Final Report - Image Analysis in Support of Threatened and Endangered Species." *USACERL Technical Report* Champaign, IL.
30. Hebert, J. L. and Stanek, G. (1997), "Monitoring an autocorrelated moving average process: A simulation study of QC attributes," *ESL Technical Report*, Texas A&M University, College Station, TX.
31. Carpenter, M. and Hebert, J. L. (1996), "Statistical process control applied to automated data screening," *ESL Technical Report*, Texas A&M University, College Station, TX.
32. Carpenter, M. and Hebert, J. L. (1995), "Statistical aspects of remote sensing in support of classification and land-use detection," Texas Regional Institute of Environmental Studies (*TRIES*) *Technical Report* #95-03, Sam Houston State University, Huntsville, TX.
33. Hebert, J. L. and Seaman, J. W., Jr. (1990), "Stochastic antagonism in bi-matrix games," *Technical Report 90-7*, Department of Statistics, University of Southwestern Louisiana, Lafayette, La.

## **GRANTS AND GRANT RELATED WORK**

1. "Mathematics for English Language Learners." Funded through the Texas Education Agency and subcontracted through the Texas State University System. Principle Investigator. \$225,000.
2. "Image Analysis in Support of Threatened and Endangered Species." Funded through USACERL and subcontracted through Lockheed Martin (ORNL). Principle investigator. Co-investigators: Peter Cooper, Harry Konen, Wasin So, Radka Turcjova, Jian Wang. \$420,000.
3. "Change Assessment for Military Landscape Monitoring in Support of Carrying Capacity Analyses for Military Ranges Via Optimal Usage of Aircraft Videography and Satellite Remotely Sensed Data," Funded through SERDP. Co-investigators: Patrick Van Fleet (PI) and Cecil Hallum. \$315,000.
4. "Time Series Modeling in Support of Quality Control Techniques for Automating Energy Data Screening," Funded through The Texas Engineering Experimental Station, Texas A&M University, College Station, TX. Co-Investigator: M. Carpenter. \$25,000.
5. "Watershed Impacts to the Terrestrial and Aquatic Ecosystem of Lake Livingston." Submitted to the National Science Foundation. Title: Research Statistician.
6. "Enhancement of Image Assessment Capabilities for Natural Resource Characterization." Funded through the US Department of Defense, SERDP and CERL. Co-investigators: Mark Carpenter, Johnny Carroll, Cecil Hallum, Harry Konen, Wasin So, Patrick Van Fleet. \$630,000.
7. "Reliability and Minimum Guaranteed Lifetimes of k-out-of-n Systems in a Random environment." Funded through The Texas Engineering Experimental Station, Texas A&M University, College Station, TX. Co-investigator: Mark Carpenter. \$125,000.
8. "Quality Control Techniques for Automated Energy Data Screening," Funded through The Texas Engineering Experimental Station, Texas A&M University, College Station, TX Co-Investigator's: M. Carpenter and D. Ruch. \$25,000.
9. "Statistical Aspects of Remote Sensing in Support of Classification and Land-use Detection," Funded as a component of the Texas Regional Institute of Environmental Studies, Coordinator: Mike Warnock Title: Research Statistician. \$750,000.

## **PROFESSIONAL PRESENTATIONS**

1. "Workshop for New Provosts," American Association of State Colleges and Universities, Academic Affairs Meeting, Ft. Lauderdale, FL, CA July 2014.
2. "Workshop for New Provosts," American Association of State Colleges and Universities, Academic Affairs Meeting, Coronado, CA February 2014.
3. "Workshop for New Provosts," American Association of State Colleges and Universities, Academic Affairs Meeting, Fairfield, AL February 2013.
4. "Workshop for New Provosts," American Association of State Colleges and Universities, Academic Affairs Meeting, San Francisco, CA July 2012.
5. "Student Learning Progress Model—Lessons Learned," American Association of State Colleges and Universities, Academic Affairs Meeting, San Antonio, TX February 10, 2012.
6. "The Modern Mathematics Curriculum" College of Sciences, Palawan State University, Puerto Princessa City, Palawan, Philippines October 24, 2006.

7. "Maximum Likelihood Estimation for Exponential Mixtures" Padagogische Hochschule Karlsruhe, Institut für Mathematik und Informatik, Karlsruhe, Germany June 21, 2006.
8. "Exact Run Lengths for One-sided Exponential Mixture CUSUM Charts" *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies* Atlanta, GA August 5-9, 2001.
9. "Nonparametric Bootstrap Estimation of Location Extrema in Exponential Mixture Models" *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies* Atlanta, GA August 5-9, 2001.
10. "Comparing Exponential Location Estimators Under Pitman's Measure of Closeness," *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies*, Indianapolis, IN, August 13-17, 2000.
11. "Retro-engineering Medium-Scale Client-Server Applications," WEBNET '99 Honolulu, HI, July 1999.
12. "Effects of Sub-sampling on Classification Methods Applied to Remotely Sensed Images," *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies*, Baltimore, MD, August 8-12, 1999.
13. "Image Analysis in Support of Threatened and Endangered Species – Final Demo," Oak Ridge National Laboratory, Oak Ridge, TN August 16, 1999.
14. "Properties of the Reliability Function for Systems of Exponential Mixtures," *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies*, Dallas, August 10-14, 1998.
15. "Comparing Minimum and Maximum Location Estimators for Exponential Mixtures Under Pitman's Closeness Criterion," *Conference of Texas Statisticians*, Baylor University, Waco, TX., April 1998.
16. "Unsupervised Classification with Spatially Adapted Data." *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies*, Anaheim, August 10-14, 1997.
17. "Properties of the Dirichlet exponential mixture model," CAM\*97, University of Central Oklahoma, Edmond, OK, February, 1997.
18. "Estimating the minimum and maximum location parameters for two gamma-exponential mixtures in Pitman Measure," *Joint Meetings of the ASA, IMS, and Biometric Societies*, Chicago, August, 1996.
19. "Estimation and prediction for multiple batch experiments with variable start times," *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies*, Chicago, August, 1996.
20. "Estimating the mean with known coefficient of variation," *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies*, Orlando, FL., August, 1995.
21. "Generating moments of exponential mixtures," *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies*, Orlando, FL., August, 1995.
22. "Generating moments of exponential mixtures," *Department of Mathematical Sciences*, Appalachian State University, Boone, NC, 28607, March, 1995.
23. "Estimating minimum and maximum location parameters in a random environment," *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies*, Toronto, Ontario, August, 1994.



24. "Statistical reporting in educational research: some common problems encountered in the editorial process," *Kellogg Institute*, Appalachian State University, Boone, NC, July 1994.
25. "Estimating the minimum and maximum location parameters for two gamma-exponential scale mixtures," *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies*, San Francisco, Ca., August, 1993.
26. "The variance of left-truncated scale mixtures," *Joint Meetings of the American Statistical Association, IMS, and Biometric Societies*, Boston, Ma., August, 1992.
27. "Stochastic antagonism in bi-matrix games," *Joint Meetings of the Louisiana Academy of Sciences and the LA Chapter of the American Statistical Association*, New Orleans, La., March, 1990.
28. "Stochastic antagonism in bi-matrix games," *SIAM Conference on Applied Probability*, New Orleans, La., March, 1990.
29. "Payoff variance in matrix games," *Joint Meetings of the Louisiana Academy of Sciences and the LA Chapter of the American Statistical Association*, Alexandria, La., March, 1989.

### **GRADUATE STUDENTS (Statistics)**

1. Quan, Ren (August 1996). "Location Estimation Under Pitman Closeness for the Gamma Exponential Mixture."
2. Button, Cheryl (May 1997). "Unsupervised Classification with Spatial Data."
3. Stanek, Greg (December 1997). "Monitoring Data Generated by an MA(1) Process Using QC Charts and an Exponentially Weighted Moving Average Model."
4. Wainwright, Andrea (December 1998). "Alternative Priors and MLE/MOM Comparisons for Exponential Mixtures."
5. Arrambide, L. S. (May 1999). "Effects of Sub-sampling on Classification Methods Applied to Remotely Sensed Images."
6. Koudelik, P. R. (May 2000). "A Comparison of Reliability Estimators Using Pitman's Measure of Closeness."
7. Westbay, J. K. (May 2001). "Exact Run Lengths for Exponential Mixture CUSUM Schemes."
8. Bandalasiri, W. A. (December 2001). "Nonparametric Bootstrap Estimation of Location Extrema in Exponential Mixture Models."
9. Henke, J. (December 2003). "Simulating a gamma-exponential mixture."
10. McBride, J. J. (December 2003). "Run Length Distributions for Upper-sided EWMA Charts."
11. Zhou, Yi (August 2004). "Method of Moments Estimation for Exponential Distributions."
12. Willey, Richard (August 2005). "Principle Component Regression."