

Jerome P. Keating
Professional Curriculum Vitae

I. Contact information

University of Texas at San Antonio, One UTSA Circle
Department of Management Science & Statistics
San Antonio, TX 78249-0704
E-mail: jerome.keating@utsa.edu
Telephone: 210 – 458 – 5370

II. Educational Background

a. The University of Texas at Arlington

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| i. PhD Mathematical Sciences* | 1980 |
| ii. MA Mathematics | 1972 |
| iii. BS Mathematics – Minor Physics | 1970 |

b. The University of Texas at Dallas

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|---|-------------|
| i. Nine semester credit hours in Statistics | 1978 – 1979 |
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* - The PhD is a unified degree among UTD, UTA and UT – Health Science Center – Dallas

III. Professional Employment History

a. The University of Texas at San Antonio

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|----------------------------|-------------|
| i. Professor of Statistics | 1990 – P |
| ii. Associate Professor | 1985 – 1990 |
| iii. Assistant Professor | 1981 – 1985 |

b. Cistercian Preparatory School: Irving, Texas

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| iv. Mathematics Teacher: Geometry through BC Calculus
Supervisor: Abbot Emeritus Denis Farkasfalvy, OCS | 1979 – 1981 |
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c. Texas Instruments: Dallas, Texas

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| v. Statistician – Summer Intern
Supervisor: Dr. Don Strickert (retired) | 1980 |
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d. Los Alamos National Lab

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| vi. Statistician – Summer Research Fellow
Supervisor: Dr. Ray Waller (retired) | 1979 |
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e. The University of Texas at Arlington

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| vii. Teaching Assistant
Supervisor: Dr. Danny D. Dyer (retired) | 1978 – 1979 |
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f. Bell Helicopter Textron

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| viii. Reliability Engineer | 1973 – 1978 |
| Supervisor: Mr. George Knudsen (retired) | 1973 – 1977 |

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| ix. Research and Development | 1977 – 1978 |
| Supervisor: Mr. Walter Sonneborn (retired) | |

g. Notre Dame High School, Wichita Falls, TX

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| x. Mathematics and Physics Teacher
Supervisor: Richard Daley, CSC | 1972 – 1973 |
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IV. Awards and honors

a. National Awards

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|---|------|
| i. Fellow of the American Statistical Association | 1997 |
| ii. "Storage Tank and Line Leakage Detection and Inventory Reconciliation Process," Patent
No. 5,297,423 | 1994 |

Jerome P. Keating

Professional Curriculum Vitae

b. Regional Awards

- i. Don B. Owen Award in Statistics 2006
- ii. Summer Scholar in Mathematical Sciences Portland State University 1995

c. System Awards

- i. Recipient of the UT System's Regents Outstanding Teaching Award (ROTA) for excellence in teaching undergraduates 2015
- ii. Chancellor's Council Teaching Award for excellence in teaching undergraduates – University of Texas System Chancellor's Council 2001
- iii. Chancellor's Council Teaching Award for excellence in teaching undergraduates – University of Texas System Chancellor's Council 1995

d. University Awards

- i. Member, Academy of Distinguished Teaching Scholars 2015
- ii. Peter T. Flawn Distinguished Professor of Statistics 2002 – P
- iii. President's Distinguished Achievement Award for Teaching Excellence 2001
- iv. President's Distinguished Achievement Award for Teaching Excellence 1989

V. Research/Scholarly/Creative Activities**a. Refereed Journal Publications**

1. Satesh Ramdhani*, RC Tripathi, JP Keating and N Balakrishnan: *Underground storage tanks (UST) a closer investigation: statistical implications to changing the shape of a UST*, Communications in Statistics – Simulation & Computation, 47 (2018) 2612-2623.
2. Samuel Tumlinson*, JP Keating and N Balakrishnan: *Linear estimation for the extended exponential power distribution*, Journal of Statistical Computation & Simulation, 86 (2016) 1392-1403.
3. D Bhaumik, K Kapur, N Balakrishnan, JP Keating and RD Gibbons: *Small sample tests for shape parameters of gamma distributions*, Communications in Statistics – Simulation & Computation, 44 (2015) 1339-1363.
4. CRA Hallam and JP Keating: *Company self-assessment of lean enterprise maturity in the aerospace industry*, Journal of Enterprise Transformation, 4 (2014) 51-71.
5. C Valenzuela, A Valencia, L Potter, S White, JA Jordan, Stephanie Cano*, JP Keating, John Nagorski*: *An analysis of monthly household energy consumption among single-family residences in Bexar County, 2010*, Energy Policy, 69 (2014) 263-272.
6. N Balakrishnan, K Davies, JP Keating and RL Mason: *Optimal plotting points derived from simultaneous closeness probabilities*, Computational Statistics & Data Analysis, 56 (2012) 2637-2649.
7. N Balakrishnan, KF Davies, JP Keating and RL Mason: *Pitman closeness comparison of best linear unbiased and invariant predictors for exponential distribution in one and two-sample situations*, Communications in Statistics – Theory & Methods, 41 (2012) 1-15.
8. N Balakrishnan, KF Davies, JP Keating and RL Mason: *Pitman closeness comparison of best linear unbiased and invariant predictors for exponential distribution in one and two-sample situations*, Communications in Statistics – Theory & Methods, 41 (2012) 1-15.
9. N Balakrishnan, KF Davies, JP Keating and RL Mason: *Pitman closeness, monotonicity and consistency of best linear unbiased and invariant estimators for exponential distribution under Type-II censoring*, Journal of Statistical Computation & Simulation, 81 (2011) 985-999.

* - indicates former student

Jerome P. Keating

Professional Curriculum Vitae

Refereed Journal Publications (continued)

10. N Balakrishnan and JP Keating: *An alternative approach to simultaneous closeness probabilities of order statistics from odd sample sizes to population median*, *Statistical Methodology*, 8 (2011) 462 – 467.
11. N Balakrishnan, K Davies, JP Keating and RL Mason: *Correlation-type goodness-of-fit test for extreme value distribution based on simultaneous closeness*, *Communications and Statistics – Simulation & Computation*, 40 (2011) 1074-1095.
12. JP Keating, RL Mason and N Balakrishnan: *Percentile estimators in location-scale parameter families under absolute loss*, *Metrika*, 72 (2010) 351-368.
13. N Balakrishnan, K Davies, JP Keating and RL Mason: *Simultaneous closeness among order statistics to population quantiles*, *Journal of Statistical Planning and Inference*, 140 (2010) 2408-2415.
14. N Balakrishnan, G Iliopoulos, JP Keating and RL Mason: *Pitman closeness of sample median to population median*, *Statistics & Probability Letters*, 79 (2009) 1759-1766.
15. RS Gill and JP Keating: *Assessing methods for college football rankings*, *Journal of Quantitative Analysis in Sports*, 5 (2009) Issue 2, Article 3.
16. N Balakrishnan, K Davies and JP Keating: *Pitman closeness of order statistics to population quantiles*, *Communications and Statistics – Simulation & Computation*, 38 (2009) 802-820.
17. RS Gill and JP Keating: *Monitoring gasoline blending rates for compliance*, *Environmetrics*, 19 (2008) 429-437.
18. N Kannan, JP Keating and RL Mason: *A comparison of classical and inverse estimators in the calibration problem*, *Communications in Statistics – Theory & Methods*, 36 (2007) 83-95.
19. RS Gill, JP Keating and M Baron: *Detecting abrupt leaks in blended underground storage tanks*, *Communications in Statistics – Theory & Methods*, 35 (2006) 727-747.
20. JP Keating and RL Mason: *Pitman nearness comparison of the traditional estimator of the coefficient of determination and its adjusted version in linear regression models*, *Communications in Statistics – Theory & Methods*, 34 (2005) 367-374.
21. RB Gill and JP Keating: *Volcanism and Mesoamerican archaeology*, *Ancient Mesoamerica*, 13 (2002) 125-140.
22. JP Keating and RL Mason: *Using statistical methods to detect leaks in underground storage tanks*, *Environmetrics*, 11 (2000) 395-412.
23. JP Keating: *A statistical method for the serial comparison of vector cardiograms*, *Communications in Statistics – Theory & Methods*, 25 (1996) 1971-1983.
24. RL Fountain, JP Keating and HB Maynard: *The simultaneous comparison of estimators*, *Mathematical Methods of Statistics*, 5 (1996) 187-198.
25. RL Fountain and JP Keating: *The Pitman comparison of linear unbiased estimators*, *Statistics & Probability Letters*, 19 (1994) 131-136.
26. M Ghosh, JP Keating and PK Sen: *Is Pitman closeness a reasonable criterion?* *Journal of the American Statistical Association*, 88, 63-66 (1993).
27. RL Fountain, JP Keating and CR Rao: *An example arising out of Berkson's controversy*, *Communications in Statistics – Theory & Methods*, 20 (1991) 3457-3472.
28. JP Keating: *Karlin's corollary: a topological approach to Pitman's measure of closeness*, *Communications in Statistics – Theory & Methods*, 20 (1991) 3729-3750.

Jerome P. Keating

Professional Curriculum Vitae

Refereed Journal Publications (continued)

29. JP Keating, RL Mason, PK Sen and CR Rao: *Closeness comparison of classical and inverse regression estimators*, Computational Statistics and Data Analysis, 12 (1991) 1-17.
30. RL Mason, JP Keating, PK Sen and Neil W Blaylock*: *Comparison of linear estimators using Pitman's measure of closeness*, Journal of the American Statistical Association, 85 (1990) 579-581.
31. JP Keating, R Glaser and Norma Ketchum*: *Testing hypotheses about the shape parameter in a gamma distribution*, Technometrics, 32 (1990) 67-82.
32. JP Keating and V Czitrom: *A comparison of James-Stein regression with least squares in the Pitman nearness sense*, Journal of Statistical Computation and Simulation, 34 (1989) 1-9.
33. JP Keating and RL Mason: *Preference regions and their probabilities based on a rectangular grid*, Communications in Statistics – Theory & Methods, 17 (1988) 1973-1983.
34. JP Keating and RL Mason: *James-Stein estimation from an alternative perspective*, American Statistician, 42 (1988) 160-164.
35. CR Rao, JP Keating and RL Mason: *The Pitman nearness criterion and its determination*, Communications in Statistics - Theory & Methods, 15 (1986) 3173-3191.
36. JP Keating: *Nonlognormality of the OCS lease bidding data*, Journal of Petroleum Technology, 38 (1986) 443-446.
37. RC Gupta and JP Keating: *Relations for reliability measures in the length biased distribution*, Scandinavian Journal of Statistics, 13 (1986) 49-56.
38. T Boullion, G Cascio and JP Keating: *Comparison of estimators of the fraction defective in the normal distribution*, Communications in Statistics – Theory & Methods, 14 (1985) 1511-1529.
39. JP Keating and RL Mason: *Some practical aspects of covariance estimation*, Pattern Recognition Letters, 3 (1985) 295-298.
40. JP Keating and RL Mason: *Practical relevance of an alternative criterion in estimation*, American Statistician, 39 (1985) 203-205.
 - a. JP Keating and RL Mason: *Rejoinder to Pitman's Measure of Closeness*, American Statistician, 40 (1986) 180-181.
 - b. JP Keating and RL Mason: *Rejoinder to Pitman's Measure of Closeness and the probability content of sectors of the bivariate normal distribution*, American Statistician, 41 (1987) 89-90.
41. JP Keating and RL Mason: *Pitman's measure of closeness*, Sankhyā–Series B, 47 (1985) 22-32.
42. JP Keating: *More on Rao's phenomenon*, Sankhyā–Series B, 47 (1985) 18-21.
43. JP Keating and RC Gupta: *Simultaneous comparison of scale estimators*, Sankhyā–Series B, 46 (1984) 275-281.
44. JP Keating and RC Tripathi: *A comparison of two-sample tests for equality of variances*, Communications in Statistics – Theory & Methods, 13 (1984) 2691-2706.
45. JP Keating and R Magel: *Comments on estimators based on error in the predicted distribution function*, Communications in Statistics – Theory & Methods, 13 (1984) 1889-1900.
46. JP Keating: *A note on estimation of percentiles and reliability in the extreme-value distribution*, Statistics & Probability Letters, 2 (1984) 143-146.
47. D Dyer and JP Keating: *On the comparison of estimators in a rectangular distribution*, Metron, 41 (1983) 155-165.
48. JP Keating, J Michalek and T Riley: *A note on the Karhunen-Loève expansion*, Pattern Recognition Letters, 1 (1983) 203-204.

Jerome P. Keating

Professional Curriculum Vitae

Refereed Journal Publications (continued)

49. P Keating: *Estimators of percentiles based on absolute loss*, Communications in Statistics – Theory & Methods, 12 (1983) 441-447.
50. JP Keating and OL Hensley: *A note on the critical values of the F max-test*, Communications in Statistics – Simulation & Computation, 12 (1983) 257-263.
51. D Dyer and JP Keating: *On the relative behavior of estimators of the characteristic life in the exponential failure model*, Communications in Statistics – Theory & Methods, 10 (1981) 489-501.
52. D Dyer and JP Keating: *On the determination of critical values for Bartlett's test*, Journal of the American Statistician Association, 75 (1980) 313-319.
53. D Dyer and JP Keating: *Estimation of the guarantee time in an exponential failure model*, IEEE Transactions on Reliability, 29 (1980) 63-65.
54. D Dyer, JP Keating and OL Hensley: *On the relative behavior of estimators of reliability/survivability*, Communications in Statistics – Theory & Methods, 8 (1979) 399-416.
55. D Dyer and JP Keating: *Further look at comparisons of normal percentile estimators*, Communications in Statistics – Theory & Methods, 8 (1979) 1-16.
56. D Dyer, JP Keating and OL Hensley: *Comparison of point estimators of normal percentiles*, Communications in Statistics – Simulation & Computation, 6 (1977) 269-283.

b. Books, Chapters, Encyclopedia Articles, Patents, and Refereed Proceedings

1. N Balakrishnan, K Davies, JP Keating and RL Mason: *Pitman closest estimators based on convex linear combinations of two contiguous order statistics*, Ordered Data Analysis, Modeling and Health Research Methods, Editors: P Choudhary, C Nagaraja and HK Ng, Springer Proceedings in Mathematics & Statistics, 149 (2015) Chapter 10, 17-37.
2. M Leung and JP Keating: *Bartlett's Test*, Encyclopedia of Research Design, Volume II 61–64.
3. JP Keating: *Business Statistics by the Numbers*, Thomson Custom Publishing (2005).
4. JP Keating and DW Scott: *A primer on density estimation for the great homerun race of 1998*, Stats, 25 (1999) 16-22.
5. RL Mason, JP Keating and RL Fountain: *Pitman closeness*, Encyclopedia of Statistical Sciences, Update Volume 1 (1997) 454-462.
6. JP Keating and RL Mason: *Roy Geary's contributions to Pitman closeness*, Roy Geary 1896-1983: Irish Statistician, Dennis Conniffe (Editor) (1997) 119-135, Oak Tree Press: Dublin.
7. Conrad Krueger*, JP Keating, N Kannan and RL Mason: *Calibrating gasoline flow meters*, Statistics of Quality: A Volume in Honor of Don Owen, S Ghosh, WR Schucany, and WB Smith (eds.) 49-76, Marcel-Dekker: New York (1997).
8. JP Keating, W. Dunn and D. Dunn (1994) "Storage Tank and Line Leakage Detection and Inventory Reconciliation Process," US Patent No. 5,297,423.
9. CD Eberhard, KM Luebke, PJ Moffa, SK Young, RW Allen, E Anna Harwin*, JP Keating and RL Mason: *Development of performance specifications for collision and avoidance systems for lane change, merging and backing*. Task 1: Interim Report: Crash problem analysis, NHTSA Report #: HS-808 431, Accession #: 00736078, 268 pp. (1994)
10. JP Keating, RL Mason and PK Sen: *Pitman's Measure of Closeness: A Comparison of Statistical Estimators*, Society for Industrial and Applied Mathematics: Philadelphia, (1993).
11. L. Boyce, JP Keating and TB Lovelace, *Probabilistic lifetime strength of aerospace materials via computational simulation*, NASA Lewis Report # 187178 (1991)

Jerome P. Keating

Professional Curriculum Vitae

Books, Chapters, Encyclopedia Articles, Patents, and Refereed Proceedings (continued)

12. WW Dunn, JP Keating and WD Dunn: *Demonstration of the feasibility and operability of an integrated, continuous process using automatic instrumentation and statistical analyses incorporated into a single system which will detect leaks to EPA standards for automatic tank gauging systems, tank tightness testing systems and line (piping) tightness systems*, EPA SBIR Phase II Final report: EPA Contract #: 68D90105 (1991)
13. Harold G Longbotham*, T Arnow, N Barsalou, JP Keating and RD Glickman: *Analysis of periodic signals via order statistic filters*, Proceedings – IEEE International Symposium on Circuits and Systems, 3 (1990) 2128-2131.
14. WW Dunn and JP Keating: *Feasibility of an integrated, continuous process using automatic instrumentation and statistical analyses to reduce costs and to increase the efficiency of leak detection and pollution control in underground storage tanks*, EPA SBIR Phase I Final report: EPA Contract #: 68D80036 (1989)
15. JP Keating and RC Tripathi: *Bidding behavior under the three-bid rule*, MS 15339, Society of Petroleum Engineers, 39 pp (1986).
16. JP Keating and RC Tripathi: *Percentiles, estimation of*, Encyclopedia of Statistical Sciences, VI (1985) 668-674.
17. JP Keating, JA Henkener and KL Kuester: *Development of a computer program to predict the service life of a subsea fiber optic cable*, SwRI Project #: 06-7646-013 (1983) 60 pp.
18. JP Keating: *Theory and application in the comparison of estimators*, Dissertation: The University of Texas at Arlington (1980).
19. JP Keating and LA Bruckner: *The Pareto distribution as an economic model: application to offshore oil lease bidding*, LA-8128-MS, Los Alamos Scientific Laboratory (1979).
20. D Dyer and JP Keating: *Pitman closeness efficiency of estimators of reliability with application to the exponential failure model*, Proceedings of the Twenty-fourth Conference on the Design of Experiments in Army Research, Development and Testing, ARO Report 79-2 (1979) 381-409.
21. JP Keating: *Proposal for evaluating statistical tests applicable to material fatigue data*, Bell Helicopter Textron Report No. 299-199-308 (1978).
22. JP Keating: *Handbook for determining lower confidence bounds on reliability and reliable loads from fatigue data*, Bell Helicopter Textron Report No. 299-099-859 (1976).
23. GE Knudsen and JP Keating: *Helicopter drive system on-condition maintenance capability (UH-1/AH-1)*, USAAMRDL-TR-75-52, 250 pages (1976).

c. Professional Columns

24. RL Mason and JP Keating: *Under the Limit*, Quality Progress, 44 (10) (2011) 70–72
25. JP Keating, *Outlier ... s*, Stats, Volumes 19 – 26, 24-29 (1996-1999)

d. Presentations**Invited Papers (National or International Talks)**

- i. The Geary-Rao Theorem: Roy Geary's contribution to Pitman closeness: Centenary Geary Lecture and Conference, Economic & Social Research Institute, Dublin – 1996.
- ii. Detecting leaks in blended underground storage tanks: Annual Meeting of the ASA, Special Invited Session in Honor of Don Owen, Chicago – 1996.
- iii. An application of Stein regression to the calibration of gasoline flow meters: Industrial Statistics and Quality Improvement Conference, Rochester, MI – 1993.

Jerome P. Keating

Professional Curriculum Vitae

- iv. On the comparison of the least squares and inverse regression estimators of the slope in the Pitman nearness sense: Conference on Recent Developments in Statistical Data Analysis and Inference, Neuchâtel, Switzerland – 1989.

VI. Grant Activity

1. Southwest Research Institute, for NOVA – API: Investigation of Revised Testing Method for ASTM D 2992 for Fiberglass Pipe: 9/1/15 – 8/31/18 Amount \$ 17,639
2. Southwest Research Institute, for LUNA: Instrumented Test Coupons and Monitoring System for Improved Materials Performance Evaluation: 3/1/15 – 8/31/17 Amount \$ 49,082
3. UTSA Summer Research Grant, Assessment of Ranks – Comparison of Sports Participants: Application of the Carnegie Foundation Rating System to Ranking of Collegiate Teams, UTSA, VPR Office: 6/1/15 – 8/15/16 Amount \$ 5,000
4. NASA Goddard grant (2013) through SwRI for an external review of the HV801 Power Supply: 3/15/14– 6/30/14 Amount \$ 19,970
5. ASA Goddard grant (2013) through SwRI for an external review of the HV801 Power Supply: 8/15/13 – 11/30/13 Amount \$ 20,630
6. Acción, Inc., Entrepreneurial Small Dollar Loan (La Promesa Loans) Assessment Tool, Phase II: 9/1/13 – 8/15/14: Co-PI: Cory Hallam Amount \$ 20,000
7. Acción, Inc., Entrepreneurial Small Dollar Loan (La Promesa Loans) Assessment Tool, Phase I: 9/1/12 – 8/31/13: Co PI: Cory Hallam Amount \$ 45,664
8. City Public Service (CPS) January 2011 – December 2012 grant through to model electricity use across San Antonio. Amount \$ 50,000
9. Texas State Data Center (TxSDC) – Investigation of fertility projection methods stratified by demographics. 7/1/09 – 8/31/09 Co PI: John Garza* Amount \$ 25,000
10. NSF Conference Grant (2000): *"Statistics: Reflections on the Past and Visions for the Future,"* The Conference was held in March 2000 in San Antonio, Texas in celebration of CR Rao's eightieth birthday. Co PI: Nandini Kannan (2000). Amount \$ 20,000
11. Mexican American Medical Effectiveness Research Grant to support graduate research assistants to study the effects of cholesterol, hypertension, and diabetes on organ damage in Mexican-Americans. Co PI: Robert Treviño (1994). Amount \$ 5,400
12. Humana Health Care contracted to analyze their managed health care protocols for breast screening and prenatal care. (1994) Amount \$ 5,131
13. Systems Technology, Inc. contract designed to acquire and install National Highway Traffic Accident Databases. Co PI: Anna Harwin* (1993 – 94) Amount \$ 40,112
14. NASA Lewis grant for the development of advanced methodologies for material strength models (1989 – 90) Co PI: Lola Boyce. Amount \$ 14,000
15. EPA Small Business Innovation Research Grant to develop a leak detection system for underground storage tanks. Co PI: Bill Dunn.
 - i. Phase I (1988) SBIR Amount \$ 50,000
 - ii. Phase II (1990 – 1991) Amount \$150,000
16. Minority Access to Research Careers Grants
 - i. Survival analysis of rhesus monkey colony at Brooks AFB (1985): The grant funded summer salary, a minority student and travel. NIH Amount \$ 5,000
 - ii. Cardiography of US Air Force aviators (1983-4): The grant funded summer salary, minority undergraduate students and travel. NIH Amount \$ 10,600.

Jerome P. Keating
Professional Curriculum Vitae

Grant Activity (continued)

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| 17. | Materials Management Service (1984-5): Investigation of bidding behavior by oil companies on 1984 leases in the Gulf of Mexico. Co-PI: R Tripathi | Amount \$ 8,750 |
| 18. | Mobil Research & Development (1983-4) through SwRI for the failure analysis of sub-sea fiber optic cables. Co PI: Jerry Henkener. | Amount \$ 4,025 |
| 19. | Fellow of the Air Force Office of Scientific Research Summer Faculty Research Program – This research applied spectral methods to the comparison of vector cardiograms. | |
| i. | Summer 1982 | Amount \$ 5,000 |
| ii. | Summer 1983 | Amount \$ 5,000 |

VII. Intellectual property: patents, copyrighted materials, commercialized products, etc.

- a. JP Keating, WW Dunn and DW Dunn: Storage tank and line leakage detection and inventory reconciliation process, Patent Number 5,297,423: 03/29/1994.

VIII. Teaching Activity

a. Courses Taught (last three years)

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|-----|---|--------------------|
| 1. | MS 1023 Business Statistics with Computer Applications I – 94 | |
| 2. | STA 3013 Applied Multivariate Statistics – 22 | |
| 3. | STA 7312 Doctoral Dissertation – 1 {Ismail-Aldayeh} | Fall 2019 |
| 4. | MS 5003 Quantitative Methods in Business Analysis – 65 | |
| 5. | STA 6953 Independent Study – 2 {Kostan, Ismail-Aldayeh} | Summer 2019 |
| 6. | STA 4753 Applied Time Series Analysis – 29 | |
| 7. | DA 6833 Data Analytics Practicum II – 41 | |
| 8. | STA 7311 Doctoral Dissertation – 1 {Li} | Spring 2019 |
| 9. | STA 4713 Applied Regression Analysis – 46 | |
| 10. | STA 4913 Independent Study: Opioid Epidemic – 1 {Holmes} | |
| 11. | STA 7311 Doctoral Dissertation – 3 | Fall 2018 |
| 12. | MS 5003 Quantitative Methods in Business Analysis – 48 | |
| 13. | STA 4913 Independent Study: Opioid Epidemic – 1 {Holmes} | Summer 2018 |
| 14. | STA 1053 Basic Statistics – 40 | |
| 15. | STA 4753 Applied Time Series Analysis – 33 | |
| 16. | STA 7311 Doctoral Dissertation – 3 | Spring 2018 |
| 17. | STA 1053 Basic Statistics – 14 | |
| 18. | STA 7013 Advanced Applied Business Statistical Methods – 9 | |
| 19. | STA 7311, 7313, 7316 Doctoral Dissertation – 2 {Zhang, Li} | Fall 2017 |
| 20. | MS 5003 Quantitative Methods in Business Analysis – 50 | Summer 2017 |

b. Students mentored

i. Undergraduate Research Competition

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| 1. | Poster – Survival Rates of Rhesus Monkeys undergoing Proton Radiation – {Cabrera, Gomez, Guerra, Padilla} | 2019 |
| 2. | Poster – San Antonio Temperature Patterns – {Crittenden, Holmes} | 2018 |

ii. Honor's Thesis Students (Undergraduate) Chair

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| 1. | Logan Jung: Forecasting the market value of consumer goods using GOOGLE Trends | 2016 |
| 2. | Emily (Smith) Marshall: Evaluating home court advantage in the NBA from 2009-2012 | 2013 |

Jerome P. Keating

Professional Curriculum Vitae

3. Robert Jopling: The Quartic distribution and its properties 2012
4. Wesley Anderson: Inferences in the Gamma Distribution 1998

iii. MS Thesis Students Advised as Chair

1. Dennis Kunimura: Point and interval estimation for the Gompertz distribution 1995
2. Conrad Krueger: Leak detection in underground storage tanks via meter calibration 1994
3. Christine Leader: G-Force effects on pilot endurance 1994
4. Shuko Lee: Techniques for survival data analysis 1994
5. Debra Hydorn: A comparison of estimators for distributions with the MLR property 1988
6. Neil W. Blaylock, Jr.: Pitman nearness comparison of regression estimators 1987
7. Norma Ketchum: Inferences on the gamma distribution 1986
8. Harold Longbotham: Reliability formulae and the length biased distribution 1983

iv. Dissertation Committees Chair

1. Hannah (Yuanhan) Li (Co-Chair): Pitman closeness of Linear Forms, Applied Statistics 2019
2. Satesh Ramdhani (Co-Chair): Some contributions to underground storage tank calibration models, leak detection and shape deformation, Applied Statistics 2016
3. Sam Tumlinson (Co-Chair): Order statistics for the Generalized Exponential Distribution, Applied Statistics 2014
4. Yi Cao (Co-Chair): Bayesian Analysis of Count Data and its Application in Demography, Applied Statistics 2012

Member

5. Roberto Sandoval: Investigating the human aspects that influence end user e-mail phishing avoidance behavior. Information Systems 2019
6. Colin Wooldridge: An investigation of the relationship between motivation, positive affect, authenticity and performance in unconventional entrepreneurs, Management 2019
7. Kevin Eddy: How does increased atmospheric CO₂ concentration affect plant competition? Environmental Science & Engineering 2019
8. Zhiruo Liu: Conditional tail dependence for bivariate copulas with application in finance, Applied Statistics 2018
9. Robert Bonner: Strategic organizational and environmental determinants of female representation in top management teams. Management 2018
10. Ying Ji: Modified continual reassessment method in Phase I clinical Trials, Applied Statistics 2016
11. Sudip Roy: COM Type Generalization of Hypergeometric and Negative Hypergeometric Distributions, Applied Statistics 2016

Jerome P. Keating

Professional Curriculum Vitae

Dissertation – Committee Member (continued)

12. Chris Stone: The Veteran Myth: An experimental investigation of human resource managers' perceptions of US Military Veterans, Management 2016
13. Xiao (Jerry) Xiang: The influence of electronic word-of-mouth (EWOM) skepticism on perceptions toward message credibility and beneficiary organization, Information Systems 2016
14. Hong Zhou: Utilizing structured online discussion to promote critical thinking in Higher Education, Education 2015
15. Christopher Langford: The Separation of Church and Work: An Initial Exploration of Work-Religion Conflict and its Behavioral Consequences, Management 2015
16. Marton Gergely: Finders, Keepers; Stealers, Reapers: An Experimental Examination of three Antecedents of Software Piracy Behavior, Information Systems 2015
17. Andrew Johnson: Strategic leaders as Determinants of Corporate Political Activity, Management 2015
18. Nima Kordzadeh: Communicating Personal Health Information in Virtual Health Communities: An Integration of Privacy Calculus and Affective Commitment, Information Systems 2014
19. John Garza: Spatially oriented Demographic determinants of foreclosures in Bexar County, Applied Demography 2014
20. Julio Canedo-Soto: Cultural values as moderators of the relations between conflicting role expectations and the outcomes of a subordinate's intentions to work overtime and satisfaction with the supervisor, Management 2013
21. Bin Chin: Bayesian Model Selection in Finite Mixture Regression Applied Statistics 2012
22. Colleen Lindsay: An investigation of the combined assessments used as entrance criteria for a gifted English middle school program, Education University of New Orleans 2012
23. Liang Jing: Bayesian Model Checking for GLSM with Spatial Count Data, Applied Statistics 2011
24. Marguerite Sagna: Inequalities in utilization of maternal health services in Uganda, Applied Demography 2010
25. Anna Doro-On: Risk assessment embedded with cumulative prospect theory for terrorist attacks on aquifer of karstic limestone and water supply system, Environmental Science & Engineering 2009
26. Xianwei Wang: Applications of remote sensing and GIS in surface hydrology: snow cover, soil moisture and precipitation. Environmental Science & Engineering 2008
27. Rob Wayne: Factors controlling the distribution of an under story sedge in Juniperus woodlands, Environmental Science & Engineering 2007

Jerome P. Keating
Professional Curriculum Vitae

Dissertation – Committee Member (continued)

- 28.** Susan Stuver: Quantifying habitat health: a study to develop habitat health values using protective concentration levels for wildlife, Environmental Science & Engineering 2007

IX. Service Activity

a. List of Committee Assignments

i. University Service (2015-P)

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|---|-----------|
| 1. Academy of Distinguished Teaching Scholars, Member | 2015–P |
| 2. Developed Statistical Analysis of NTT Salaries | 2015 |
| 3. Classroom Design Committee, Member | 2015–2016 |
| 4. Faculty Recognition Committee, Member | 2015–2016 |
| 5. Elected Member IAB Board | 2016–2019 |
| 6. Honors College Advisory Board | 2017–2019 |
| 7. Fall Convocation Committee, Member | 2014–2016 |
| 8. UTSA 2020 Blueprint Committee, Member | |
| 9. Strategic Planning Subcommittee, Member | 2015–2016 |

b. College Service (since last review)

i. College of Business

- | | |
|---|-----------|
| 1. Member Admissions Committee Data Analytics, Applied Statistics, MS & PhD programs, MS Business | 2013–P |
| 2. Dean’s Ad hoc Committee Teaching Honor Roll, Member | 2016–P |
| 3. Dean’s Ad hoc Committee on Workload Policy, Member | 2013–P |
| 4. College FRAC, Member | 2015–2017 |

ii. Departmental Service

1. Department of Management Science and Statistics

- | | |
|-------------------------------------|-----------|
| a. Member of Journal List Committee | 2013–2014 |
| b. Member of Service Committee | 2013–2014 |
| c. DFRAC Chair, PPE & Tenure Review | 2012–2017 |

c. Assigned (or elected) Administrative Activity

iii. Department Chair

- | | |
|--------------------------------------|-----------|
| 1. Demography & Organization Studies | 2007–2009 |
| 2. Management Science & Statistics | 2001–2004 |

iv. Interim Division Director

- | | |
|---|-----------|
| 1. Management, Marketing & Management Science | 1999–2000 |
| 2. Mathematics, Computer Science & Statistics | 1986–1988 |

v. Associate Dean: College of Sciences & Engineering

- | | |
|------------------|------------|
| 1. UTSA Downtown | 1997–1999 |
| 2. Research | 1987, 1993 |

d. Professional service activity

vi. Membership

- | | |
|-------------------------------------|--|
| 1. American Statistical Association | |
|-------------------------------------|--|

vii. Regional service

1. ASA Chapter Service

- | | |
|---------------|--------------------------------------|
| a. President: | 1985 – 87, 1997 – 98 and 2008 – 2009 |
|---------------|--------------------------------------|

Jerome P. Keating

Professional Curriculum Vitae

- b. Vice President: 2007 – 2008
- c. Secretary: 1984 – 1985
- d. Treasurer: 1982 – 1984

2. **Session Organizer: Conference of Texas Statisticians** – 1984, 1989, 1995

viii. National service

- 1. Editor of *STATS* – Magazine for Students of Statistics 1999 – 2001
- 2. Associate Editor of *STATS*: 1996 – 1998
- 3. Associate Editor of *Communications in Statistics* 1995 – 2011
- 4. Chairman of Local Arrangements
 - a. ASA Winter Conference 1988
- 5. Member of National ASA Committee
 - a. Public Awareness Workgroup 2009 – 2010
 - b. ENVR Section Fellows Nomination Committee 2009 – 2011
 - c. *STATS* Editorial Task Force 2003 – 2004
 - d. Chance/*STATS* Committee 1999 – 2001
 - e. Statistical Education 1990 – 1992
 - f. Awards for Outstanding Statistical Applications 1988 – 1990
 - g. ASA Sesquicentennial 1987 – 1989
 - h. Videotape Development 1985 – 1986

ix. Editor

- 1. **STATS**, the magazine for students of Statistics 1999 – 2001

x. Associate Editor

- 1. *Communications in Statistics – Theory & Methods and Simulation & Computation* 1995 – 2011
- 2. **STATS** 1996 – 1998
- 3. Special Issue: *Communications in Statistics – Theory & Methods*, 20, 1991

xi. Referee (twelve most refereed)

- 1. *American Statistician* (USA)
- 2. *Canadian Journal of Statistics* (Canada)
- 3. *Computational Statistics* (Germany)
- 4. *Computational Statistics & Data Analysis* (Netherlands)
- 5. *Journal of the Institute of Mathematical Statistics* (Japan)
- 6. *Journal of Multivariate Analysis* (Netherlands)
- 7. *Journal of Statistical Computation & Simulation* (USA)
- 8. *Journal of Statistical Planning & Inference* (Netherlands)
- 9. *Journal of the American Statistical Association* (USA)
- 10. *Metrika* (Germany)
- 11. *Statistics* (Germany)
- 12. *Technometrics* (USA)