

# Simon J. Sheather

---

<b>Position</b>	Dean & Truist Endowed Chair in Data Analytics Gatton College of Business and Economics, University of Kentucky
<b>Education and Qualifications</b>	
1981	BS (1st Class Honours) in Mathematical Statistics, University of Melbourne
1986	PhD in Statistics, La Trobe University
<b>Awards and Honors</b>	
1991, 1997, 2000	Australian Graduate School of Management (AGSM) Alumni Association Award for Excellence in Teaching
1994	University of New South Wales Vice Chancellor's Award for Teaching Excellence
2001	Elected Fellow of the American Statistical Association
2002	Inaugural AGSM Award for Excellence in Research
2003	Citation based ranking in the top 200 mathematicians worldwide <sup>1</sup>
2001-2013	Listed on ISI Highly Cited.com among the top one-half of one percent of all mathematical scientists, in terms of citations of published work. According to Google scholar, in excess of 15,000 total citations as of July 2022.
2008	American Statistical Association, Statistics in Chemistry Award
2012	Fish Camp Namesake, Texas A&M University
2013	Texas A&M University Association of Former Students Distinguished Achievement College-Level Teaching Award
2017	SAS Distinguished Professor Award
2021	<a href="#">Ranked</a> among the top 2% of researchers worldwide as measured by the impact of research publications over 20 or more years
<b>Academic Career History</b>	
1986-1987	Lecturer and Deputy Director, Statistical Consulting Centre, Department of Statistics, University of Melbourne
1987	Visiting Associate Professor, Department of Statistics, Pennsylvania State University
1987-2005	Australian Graduate School of Management, University of New South Wales Lecturer: 1987-1989      Senior Lecturer: 1989-1993 Associate Professor: 1994-1997      Professor 1998-2005
2001	Visiting Professor, Statistics Department, Stern School of Business, NYU
2005-2018	Professor, Department of Statistics, Texas A&M University Department Head: 2005-2014 Academic Director, Online Programs: 2011- Academic Director, MS (Analytics) Program: 2013- Interim Director, Texas A&M Institute of Data Science: 2017-
2007-2018	Adjunct Professor of Biostatistics, University of Texas, MD Anderson
2018-	Dean and Professor of Finance and Quantitative Methods, Gatton College of Business and Economics, University of Kentucky Professor of Statistics, College of Arts and Sciences, University of Kentucky
2021-	Truist Endowed Chair in Data Analytics <a href="#">Faculty Fellow, Beam Institute for Kentucky Spirits, University of Kentucky</a>

---

<sup>1</sup>The July 2003 issue of the *Australian Mathematical Society Gazette* provides a worldwide ranking of mathematicians (which includes all those from the fields of pure and applied mathematics and statistics) based on citations of published work over the period from 1/1/1993 to 2/28/2003.

## Administrative Career History: Summary

### University of Kentucky

2018– Dean, Gatton College of Business and Economics, University of Kentucky.

### Texas A&M University

2005–2014 Department Head, Department of Statistics.

2011–2018 Academic Director, Online Programs, Department of Statistics.

2013–2018 Academic Director, MS (Analytics) Program, Department of Statistics.

2017–2018 Interim Director, Texas A&M Institute of Data Science.

### University of New South Wales - Australian Graduate School of Management (AGSM)

1994–1997 Academic Director, Full-time MBA Program, AGSM.

1998–2003 Academic Director, Senior Manager Development Program, AGSM.

1999–2001 Academic Director, Hong Kong Administrative Development Program, AGSM.

2003–2005 Academic Director, Consortium Program, AGSM.

2003–2005 Head of Statistics and Operations Group, AGSM.

2004–2005 Associate Dean (Research), AGSM.

## Administrative Career History: Details

### University of Kentucky

2018– Dean, Gatton College of Business and Economics, University of Kentucky.

College Profile (2020-2021):

- Annual operating budget: \$58.2 M
- Enrollment: 4,100 (3,700 undergraduate; 400 graduate/professional)
- Staffing: 124 FTE faculty members; 70 FTE staff members
- One school (Von Allmen School of Accountancy) and 4 academic departments: Economics; Finance and Quantitative Methods; Management; and Marketing and Supply Chain
- Seven centers or institutes: Center for Business and Economic Research; Center for Poverty Research; LINKS Center for Social Network Analysis; Von Allmen Center for Entrepreneurship; Don and Cathy Jacobs Executive Education Center; Institute for the Study of Free Enterprise and the Kentucky Research Data Center

Major accomplishments of the Gatton College (2018-):

- Increased the total number of degrees awarded by 32.4% from 1,094 in 2017/18 to 1,448 in 2020/21. Over this time period, undergraduate degrees increased from 911 to 1,217 while graduate degrees increased from 183 to 231
- Increased incoming Freshman enrollment from 650 in Fall 2017 to 1228 in Fall 2022
- Raised \$79M of new cash gifts and pledges consisting of \$25M in 2018/19, \$27M in 2019/20, \$9M in 2020/21 and \$18M in 2021/22
- Launched the following new minor in Fall 2019: [Undergraduate Business Analytics minor](#)

- New programs and their launch dates -
  1. Fall 2019 - [Real-Time Online MBA](#)
  2. Fall 2019 - [Online BSBA](#)
  3. Fall 2019 - [Online Certificate in Financial Planning](#)
  4. Fall 2020 - [Online Undergraduate Certificate in Business](#)
  5. Fall 2020 - [MS Supply Chain Management](#)
  6. Fall 2021 - [MS Marketing \(available on campus and live online\)](#)
  7. Fall 2021 - [MS Strategic HRM and Analytics \(available on campus and live online\)](#)
  8. Fall 2021 - [Graduate Certificate in Strategic HRM and Analytics \(available on campus and live online\)](#)
  9. Fall 2021 - [Undergraduate Certificate In Sales](#)
  10. Fall 2022 - [Graduate Certificate in Business Analytics](#)
- The University of Kentucky implemented a new annual revenue sharing model known as Net Tuition Revenue (NTR). The model is based on sharing additional tuition revenue above that received in 2018/19, net of University scholarships. The Gatton College received \$1.98M in NTR funds for growth in 2020/21 and an additional \$850,000 for further growth in 2021/22. This funding is added to the college's annual base funding, but it is at risk.
- Launched the following new advisory boards:
  1. [Diversity Equity and Inclusion Advisory Board](#)
  2. [Emerging Leaders Board](#)
  3. [Finance Advisory Board](#)
  4. [Von Allmen Center for Entrepreneurship Advisory Board](#)
- Launched the Gatton Persistence Scholarship Program for students who encounter unexpected financial difficulties.
- USNews Rankings since 2018:

US News Rankings	2019 Overall	2019 Public	2020 Overall	2020 Public	2021 Overall	2021 Public	2022 Overall	2022 Public	2023 Overall	2023 Public
Full-time MBA	89	48	67	34	77	43	83	42	72	38
Part-time MBA	125	77	81	53	85	49	53	35	69	41
Undergraduate	62	40	66	41	67	42	64	41		

- UT Dallas Research Ranking 2018-2021: 79 (overall) 49 (public)
- Completed [the 2021-2025 Gatton College Strategic Plan](#)
- University of Kentucky, Gatton College reaccruited by AACSB for both Business and Accounting for a further 5 years in February 2022
- Initiated a [Dean's YouTube Channel, Simon Says](#)
- Direct Admission into a major at the Gatton College from the Fall of 2022.
- Fall 2018 - onwards: Signed 31 International Student Agreements consisting of 14 two-plus-two programs, 6 MOUs, 5 Graduate Transfer and 6 Exchange Agreements

## Texas A&M University

2005–2014

Department Head, Department of Statistics.

The Department of Statistics was formed in 1962 and has produced nearly 500 MS degrees and 300 PhD degrees. In 2013, the Department had grown to a faculty with 34 tenure/tenure track positions and 5 lecturers with an annual budget of \$4.4M. Achievements included:

1. *Distance Education:* The Texas A&M University System Board of Regents approved the introduction of the Master of Science degree in Statistics for distance delivery in September 2006. The first cohort of 20 students started the program in Fall 2007. The distance program has produced over \$1M in revenue each year since the 2011/2012 academic year. In terms of student quality, more than 90% of distance learning students to date have passed the Masters Qualifying Exam at their first attempt.
2. *Fund raising and outreach:* Personally, led development efforts that raised \$2.95M. In addition, during my time as Department Head, two separate gifts of \$1M were received to fund the only two chairs in Statistics at that time.
3. *Standing of the Department:* In 2010, U.S. News & World Report ranked Texas A&M University tied for 12th among all US Departments of Statistics and Biostatistics, in terms of the quality of its graduate program.
4. *Changes associated with the teaching mission:*
  - a. 2008, the “fast track” PhD program was introduced
  - b. 2008/2009, a transcribed Certificate of Applied Statistics and a joint TAMU/SAS Certificate were approved and introduced
  - c. 2009, the number of supported on-campus graduate students expanded with the introduction of Technology Teaching Assistants
  - d. 2006-2013, more than 10 new graduate courses were introduced including Advanced Programming Using SAS, Applied Analytics, Statistical Bioinformatics, Special Topics in Statistics and Finance, Biostatistics and Data Analysis, Statistical Data Mining and Machine Learning
  - e. 2012, agreement was reached with the Mays Business School to offer a joint MS Analytics program beginning in Fall 2013
  - f. 2013, approval was received from the Texas A&M Board of Regents and the Texas Higher Education Coordinating Board to offer an MS Analytics program

2011–2018

Director of Online Programs, Department of Statistics.

In the 2017/2018 academic year there were in excess of 1,300 course enrolments in online graduate courses in Statistics.

2013–2018

Academic Director of MS Analytics Program, Department of Statistics.

The MS Analytics degree was offered by the Department of Statistics in partnership with the Mays Business School. This part-time program was taught at the City Centre in Houston and broadcast live to students across the country. Students paid a program fee of \$50,000.

1. Fall 2013, the first cohort of 13 students began the MS Analytics program
2. Fall 2014, the second cohort of 28 students began the MS Analytics program
3. Fall 2015, the third cohort of 40 students began the MS Analytics program
4. Fall 2016, the fourth cohort of 50 students began the MS Analytics program
5. Fall 2017, the fifth cohort of 65 students began the MS Analytics program

## University of New South Wales - Australian Graduate School of Management (AGSM)

1994–1997

Academic Director, Full-time MBA Program, AGSM.

The MBA program was a two-year, full time, full fee program offered at the AGSM and it was the flagship product of the school. Each year over 100 applicants were accepted from Australia and overseas from a pool of over 400. The fee income from the MBA program in 1997 was \$3.3M. The program was ranked in the Top 100 MBA programs by the Financial Times.

Responsibilities included:

1. *Marketing of the program:* This included conducting MBA information nights, attended by more than 500 prospective applicants each year. These information nights were held in capital cities across Australia. In addition, they were held in India (Bombay, Bangalore, Madras, New Delhi), China (Beijing, Shanghai, Guangzhou) and New Zealand (Wellington, Auckland).
2. *Administration:* Managing the day to day administration of the program including managing 7 full time and 2 part time staff members.
3. *Chairing an extensive review of the program and implementing the findings:* At the end of a 3 month process, recommendations were presented to the AGSM Board of Management, the AGSM Advisory Council, the Higher Degree Committee and the Board of Studies. All the recommendations were accepted and successfully implemented. The changes included:
  - a. Introduction of two new courses – Managerial Skills & Managerial Projects.
  - b. Introduction of the Summer Term option.
  - c. Exemption for up to two courses in recognition of prior learning.
  - d. Membership of the consortium of international business schools known as Program International Management (PIM). Membership of this group consolidated and extended the AGSM's participation in an international student exchange program with business schools including Chicago, HKUST, Kellogg, London Business School, NYU, UCLA and Wharton.

1998–2003

Academic Director, Senior Manager Development Program, AGSM.

In 1998 and 1999 the Senior Manager Development Program was a four week, full time residential executive education program. In 2000, the duration of the program was reduced to three weeks. Each year around 30 executives undertook the program. The fee income from the program in 2002 was just over \$500,000. Responsibilities included:

1. *Academic delivery of the program:* This included selecting the faculty members to teach on the program and ensuring that their offerings were coordinated.
2. *Marketing of the program:* This involved visits to many companies and government departments in Australia and New Zealand as well as interviews with prospective program participants.

1999–2001

Academic Director, Hong Kong Administrative Development Program, AGSM.

The Hong Kong Administrative Development Program was an 8 week program for high potential Hong Kong Civil Servants. The program consisted of two modules, with module 1 taught in Hong Kong and module 2 taught in Sydney. Two programs were run each year. The fee income from the two programs in 2000 was just under \$1M. Responsibilities included:

1. *Academic delivery of the program:* This involved selecting the faculty members and high profile outside speakers to teach on the program and ensuring that their offerings were coordinated.
2. *Student projects:* This involved identifying and negotiating with government departments willing to host student projects.

- 2003–2005 Academic Director, Consortium Program, AGSM.
- The Consortium Program was a week long program for 36 senior executives (typically, two levels below the CEO). The presenters on the program included business school academics from Harvard, Stanford, the London Business School and INSEAD as well as academics from the AGSM. Fee income from the 2003 program was \$330,000. The program was so successful that two programs were run in 2004 and 2005. Responsibilities included:
1. *Academic delivery of the program*: This involved selecting the faculty members from Harvard, Stanford, the London Business School and INSEAD and the AGSM and ensuring that their offerings were co-ordinated.
  2. *Marketing of the program*: This involved conducting interviews with prospective program participants, as well as with human resource directors from their sponsoring companies.
- 2003–2005 Head of Statistics and Operations Group, AGSM.
- Responsibilities included being a member of both the Dean’s Advisory Committee and of the Faculty Performance Appraisal Committee.
- 2004–2005 Associate Dean (Research), AGSM.
- Responsibilities included being a member of the University of New South Wales Research Committee as well as chairing the committee that decided the AGSM Award for Excellence in Research.

### Research Grants

1. Co-principal investigator research grants with R. Kohn of \$32,800 for 1990-1991, \$184,000 for 1992-1994, \$164,000 for 1995-1997 and \$160,000 for 1998-2000 from the Australian Research Council.
2. Co-PI, 2008-2111: NIH: National Heart, Lung, and Blood Institute, Lipoprotein Density Profiling for Clinical Studies, PI Ronald MacFarlane, 1.2 months support per year, \$1,141,891 in total funding from NIH.
3. Co-PI, 2011-2014: NSF: Texas Census Data Research Center, NSF funding \$300,000, University consortium funding \$410,000.

### Membership of Editorial Boards

- 1991–1993 Associate Editor of *Journal of the American Statistical Association*
- 1993–2003 Co-editor of the Springer monographs on *Statistics and Computing*
- 1997 Editor of the *Australian Journal of Statistics*
- 1998-2001 Inaugural Managing Editor and Theory & Methods Editor of the *Australian and New Zealand Journal of Statistics*.

### Peer Review for Granting Bodies

- 2001 Invited member of the U.S. National Science Foundation (NSF) Grant Proposal Screening Panel in Statistics
- 2002-2004 Invited Member of the Expert Advisory Committee on Mathematics, Information & Communication Sciences for the Australian Research Council

## Publications

### Refereed Journal Articles & Book Chapters

1. Sheather, S.J. & Maritz, J.S. (1983). An estimate of the asymptotic standard error of the sample median. *Australian Journal of Statistics*, 25, 109–122.
2. Sheather, S. (1983). A data-based algorithm for choosing the window width when estimating the density at a point. *Computational Statistics and Data Analysis*, 1, 229–238.
3. Scott, D.W. & Sheather, S.J. (1985). Kernel density estimation with binned data. *Communications in Statistics, Theory and Methods*, 14, 1353–1360.
4. Hettmansperger, T.P. & Sheather, S.J. (1986). Confidence intervals based on interpolated order statistics. *Statistics and Probability Letters*, 4, 75–79.
5. Sheather, S.J. (1986). An improved data-based algorithm for choosing the window width when estimating the density at a point. *Computational Statistics and Data Analysis*, 4, 61–65.
6. Sheather, S.J. (1986). A finite sample estimate of the variance of the sample median. *Statistics and Probability Letters*, 4, 337–342.
7. Sheather, S.J. (1987). A new method of estimating the asymptotic standard error of the Hodges-Lehmann estimator based on generalized least squares. *Australian Journal of Statistics*, 29, 66–83.
8. Sheather, S.J. & McKean, J.W. (1987). A comparison of testing and confidence interval methods for the median. *Statistics and Probability Letters*, 6, 31–36.
9. Blair-West J.R., Gibson, A.P., Sheather, S.J., Woods, R.L., & Brook, A.H. (1987). Vasopressin release in sheep following various degrees of rehydration. *The American Journal of Physiology*, 253, 640–645.
10. Nayudu, P.L., Gook, D.A., Lapata, A., Sheather, S.J., Lloyd-Smith, C.W., Cadusch, P. & Johnston, W.I.H. (1987). Follicular characteristics associated with viable pregnancy after in vitro fertilisation in humans. *Gamete Research*, 13, 37–55.
11. Hall, P. & Sheather, S.J. (1988). On the distribution of a studentized quantile. *Journal of the Royal Statistical Society, Series B*, 50, 381–391.
12. McCormack, H.M., Horne, D.J.D. & Sheather, S.J. (1988). Clinical-applications of visual analog scales – a critical review. *Psychological Medicine*, 18, 1007–1019.
13. Nayudu P.L., Lopata A., Jones G.M., Gook D.A., Bourne H.M., Sheather S.J., Brown T.C., & Johnston W.I. (1989). An analysis of human oocytes and follicles from stimulated cycles: oocyte morphology and associated follicular fluid characteristics. *Human Reproduction*, 4, 558–67.
14. Robinson, I. & Sheather, S.J. (1989). Weighted selection for the multiset  $X+X$  with application to R-estimates and associated confidence limits. *Journal of Statistical Computing and Simulation*, 31, 19–35.
15. Schucany, W.R. & Sheather, S.J. (1989). Jackknifing R-estimators. *Biometrika*, 76, 393–398.
16. Sheather, S.J. & Marron, J.S. (1990). Kernel quantile estimators. *Journal of the American Statistical Association*, 85, 410–416.
17. McKean, J.W., Sheather, S.J. & Hettmansperger, T.P. (1990). Regression diagnostics for rank-based methods. *Journal of the American Statistical Association*, 85, 412, 1018–1028.
18. Hall, P., Sheather, S.J., Jones, M.C. & Marron, J.S. (1991). On optimal data-based bandwidth selection in kernel density estimation. *Biometrika*, 78, 263–269.
19. Sheather, S.J. & Jones, M.C. (1991). A reliable data-based bandwidth selection method for kernel density estimation. *Journal of the Royal Statistical Society, Series B*, 53, 683–690.
20. Jones, M.C. & Sheather, S.J. (1991). Using non-stochastic terms to advantage in kernel based estimation of integrated squared density derivatives. *Statistics and Probability Letters*, 11, 511–514.

21. Hettmansperger, T.P. & Sheather S.J. (1992). A cautionary note on the method of least median squares. *American Statistician*, 46, 79-83.
22. Sheather, S.J. (1992). The performance of six popular bandwidth selection methods as same real data sets (with discussion). *Computational Statistics*, 7, 225-250.
23. Hettmansperger, T.P. & Sheather, S.J. (1992). Robust and Resistant Procedures. *Perspectives on Contemporary Statistics*, Mathematical Association of America Notes Number 21, 145-172.
24. McKean, J.W., Sheather, S.J. & Hettmansperger T.P. (1993). The use and interpretation of residuals based on robust estimation. *Journal of the American Statistical Association*, 88, 1254-1263.
25. Naranjo, J., McKean, J.W., Sheather, S.J. & Hettmansperger, T.P. (1994). The use and interpretation of rank-based residuals. *Journal of Nonparametric Statistics*, 3, 323-341.
26. Sheather, S.J., Hettmansperger, T.P. & Donald M.R. (1994). Data-based bandwidth selection for kernel estimators of the integral of  $f^2(x)$ . *Scandinavian Journal of Statistics*, 21, 265-275.
27. McKean, J.W., Sheather, S.J. & Hettmansperger, T.P. (1994). Robust and high breakdown fits of polynomial models. *Technometrics*, 36, 409-415.
28. Barnett, G., Kohn, R. Sheather, S.J. & Wong, J., (1995). Markov chain Monte Carlo estimation of autoregressive models with application to metal pollutant concentration in sludge. *Mathematical & Computer Modelling*, 22, 7-13.
29. George, K., McKean, J.W., Schucany, W.R. & Sheather, S.J. (1995). A comparison of confidence intervals with  $R$ -estimators in regression. *Journal of Statistical Computing and Simulation*, 53, 13-22.
30. Ruppert, D., Sheather, S.J. & Wand, M.P. (1995). An effective bandwidth selector for local least squares regression. *Journal of the American Statistical Association*, 90, 1257-1270.
31. Jones, C., Marron, J.S. & Sheather, S.J. (1996). A brief survey of bandwidth selection for density estimation. *Journal of the American Statistical Association*, 91, 401-407.
32. Waldersee, R. & Sheather, S.J. (1996). The effects of strategy type on strategy implementation actions. *Human Relations*, 49, 105-122.
33. Barnett, G., Kohn, R. & Sheather, S. (1996). Robust estimation of an autoregressive model using Markov chain Monte Carlo. *Journal of Econometrics*, 74, 237-254.
34. McKean, J.W., Naranjo, J.D. & Sheather, S.J., (1996). Diagnostics to detect differences in robust fits of linear models. *Computational Statistics*, 11, 223-243.
35. Kohn, R., Sheather, S.J., & Smith, M., (1996). Finite sample performance of robust Bayesian regression. *Computational Statistics*, 11, 269-301.
36. Jones, M.C., Marron, J.S., & Sheather, S.J. (1996). Progress in data-based bandwidth selection for kernel density estimation. *Computational Statistics*, 11, 337-381.
37. McKean, J.W., Naranjo, J.D. & Sheather, S.J., (1996). An efficient and high breakdown procedure for model criticism. *Communications in Statistics A Theory and Methods*, 25, 2575-2595.
38. Barnett, G., Kohn, R. & Sheather, S. (1997). A Bayesian analysis of integrated moving average models. *Journal of Time Series*, 18, 11-28.
39. Sheather, S.J., McKean, J.W., & Hettmansperger, T.P. (1997). Finite sample stability properties of the Least Median of Squares estimator. *Journal of Statistical Computing and Simulation*, 58, 371-383.
40. Hettmansperger, T.P., McKean, J.W., & Sheather, J.S., (1997). Rank-Based Analyses of Linear Models. *Robust Inference*, Maddala, G.S. and Rao CR.(eds), *Handbook of Statistics*, Volume 15, Amsterdam; Elsevier, 145-173.
41. Sheather, S.J. and McKean, J.W. (1997). A comparison of procedures based on inverse regression.  $L_1$  *Statistical Procedures and Related Topics*, Y. Dodge (ed.), Volume 31, Institute of Mathematical Statistics Lecture Notes Series, 271-278.

42. McKean, J.W. and Sheather, S.J. (1997). Exploring data sets using partial residual plots based on robust fits. *L<sub>1</sub> Statistical Procedures and Related Topics*, Y. Dodge (ed.), Volume 31, Institute of Mathematical Statistics Lecture Notes Series, 241-256.
43. Sheather, S.J. & Maritz, J.S. (1998). A general method for estimating standard errors. *Journal of Nonparametric Statistics*, 9, 141-154.
44. Chang, W.H., McKean, J.W., Naranjo, J.D. and Sheather, S.J. (1999). High-breakdown rank regression. *Journal of the American Statistical Association*, 94, 205-219.
45. McKean, J.W., Naranjo, J.D. and Sheather, S.J., (1999). Diagnostics for comparing robust and least squares fits. *Journal of Nonparametric Statistics*, 11, 161-188.
46. McKean, J.W., and Sheather, S.J. (1999). Comment on Regression Depth. *Journal of the American Statistical Association*, 94, 411-415.
47. McKean, J.W., and Sheather, S.J. (2000). Partial residual plots based on robust fits. *Technometrics*, 42, 249-261.
48. Hettmansperger, T.P., McKean, J.W., and Sheather, S.J. (2000). Robust nonparametric methods. *Journal of the American Statistical Association*, 95, 1308-1311.
49. Harrold, T., Sharma, A. & Sheather, S. (2001). Selection of a kernel bandwidth for measuring dependence in hydrologic time series using the mutual information criterion. *Stochastic Environmental Research & Risk Assessment*, 15, 310-324.
50. Hettmansperger T.P., McKean J.W. & Sheather S.J. (2002). Finite sample performance of tests for symmetry of the errors in a linear model. *Journal of Statistical Computing and Simulation*, 72, 863-879.
51. Hettmansperger, T.P., McKean, J.W., and Sheather, S.J. (2002). Robust nonparametric methods. *Statistics in the 21<sup>st</sup> Century*, Raftery, A, Tanner, M & Wells, M. (eds.), Chapman & Hall, London, 359-367.
52. Burton, S., Sheather, S. & Roberts, J. (2003). Reality or perception? The effect of actual and perceived performance on satisfaction and behavioural intention. *Journal of Service Research*, 5, 292-302.
53. Apanasovich, T., Sheather, S., Lupton, J., Popovic, N., Turner, N, Chapkin, R. & Carroll, R. (2003). Testing for spatial correlation in nonstationary binary data with application to aberrant crypt foci in colon carcinogenesis. *Biometrics*, 59, 752-761.
54. Harrold, T., Sharma, A. & Sheather, S. (2003). A nonparametric model for stochastic generation of daily rainfall occurrence. *Water Resources Research*, 39 (10), Article 1300, 1-11.
55. Harrold, T., Sharma, A. & Sheather, S. (2003). A nonparametric model for stochastic generation of daily rainfall amounts. *Water Resources Research*, 39(12), Article 1343, 1-12.
56. Hettmansperger T.P., McKean J.W. & Sheather S.J. (2003). Testing symmetry of the errors in a linear model. In *Mathematical Statistics and Applications: Festschrift for Constance van Eeden*, Moore, M., Froda, S & Leger, C. (ed.), Institute of Mathematical Statistics, 99-112.
57. Sheather, S.J. (2004). Density estimation, *Statistical Science*, 19, 588-597.
58. Hettmansperger T.P., McKean J.W. & Sheather S.J. (2005). Rank Based Inference. *Encyclopedia of Statistics in Behavioral Sciences*. pp 1688-1691, John Wiley: Chichester, UK.
59. Riechman, S.E., Andrews, R.D., MacLean, D.A. & Sheather. S. (2007). Statins, dietary and serum cholesterol are associated with increased lean mass following resistance training. *Journal of Gerontology A: Biological Sciences & Medical Sciences*, 62, 1164-1171.
60. Spiegelman, C., Tobin, W. A., James, Sheather, S.J., Wexler, S. & Roundhill, D. M. (2007). Chemical and forensic analysis of JFK assassination bullet lots: Is a second shooter possible? *Annals of Applied Statistics*, 1, 287-301.<sup>2</sup>

---

<sup>2</sup> Winner of the 2008 American Statistical Association, Statistics in Chemistry Award  
July, 2022

61. Crimin, K., McKean, J.W. & Sheather, S.J. (2007). Discriminant procedures based on efficient robust discriminant coordinates. *Journal of Nonparametric Statistics*, 19, 199–213.
62. Sheather, S.J., McKean, J.W. & Crimin, K. (2008). Sliced Mean Variance Covariance Inverse Regression, *Computational Statistics and Data Analysis*, 52, 1908– 1927.
63. Lauziere, I., Sheather, S. and Mitchell, F. (2008). Seasonal abundance and spatio-temporal distribution of dominant xylem fluid-feeding Hemiptera in vineyards of Central Texas and surrounding habitats. *Environmental Entomology*, 37, 925-937.
64. McKean, J.W. & Sheather, S.J. (2009). Diagnostic procedures. *WIRES: Computational Statistics*, 1, 221–233.
65. Savchuk, O., Hart, J., and Sheather, S.J. (2010). Indirect cross-validation for density estimation. *Journal of the American Statistical Association*, 489, 415-423.
66. Lindsey, C., & Sheather, S. (2010). Variable selection in linear regression. *Stata Journal*, 10, 650-669.
67. Phisitkul, S., Khanna, A., Simoni, J., Broglio, K.R., Sheather, S.J., Rajab, M.H. and Wesson, D.E. (2010). Amelioration of metabolic acidosis in patients with low GFR reduced kidney endothelin production and kidney injury, and better preserved GFR. *Kidney International*, 77, 617–623.
68. Mahajan, A., Simoni, J., Sheather, S.J., Broglio, K.R., Rajab, M.H. and Wesson, D.E. (2010). Daily oral sodium bicarbonate preserves glomerular filtration rate by slowing its decline in early hypertensive nephropathy. *Kidney International*, 78, 303-309.
69. Lindsey, C., & Sheather, S. (2010). Model fit assessment via marginal model plots. *Stata Journal*, 10, 200-214.
70. Lindsey, C., & Sheather, S. (2010). Optimal power transformation via inverse response plots. *Stata Journal*, 10, 215-225.
71. Lindsey, C., & Sheather, S. (2010). Power transformation via multivariate Box-Cox. *Stata Journal*, 10, 69-81.
72. Savchuk, O. Y., J. D. Hart, and S. J. Sheather (2011). An empirical study of indirect cross-validation. *Nonparametric Statistics and Mixture Models: A Festschrift in Honor of Thomas P. Hettmansperger*. World Scientific Publishing, Singapore, 288-308.
73. Sheather, S. J. (2011). Spurious correlation. *International Encyclopedia of Statistical Science*. Springer, Berlin, 1374-1377.
74. Wesson, D.E., Simoni, J., Broglio, K.R. and Sheather, S.J., (2011). Acid retention accompanies reduced GFR in humans and increases plasma levels of endothelin and aldosterone. *American Journal of Physiology – Renal Physiology*, 300, 830-837.
75. Sheather, S.J. and South, J. (2012). Texas A&M Department of Statistics, *Strength in Numbers: The Rising of Academic Statistics Departments in the U.S.*, Agresti and X.-L. Meng (eds.), Springer, New York, 301-316.
76. Prendergast, K and Sheather, S.J. (2013). On sensitivity of inverse response plot estimation and the benefits of a robust estimation approach. *Scandinavian Journal of Statistics*, 40, 219-237.
77. Savchuk, O., Hart, J., and Sheather, S.J. (2013). One-sided cross-validation for non-smooth regression functions. *Journal of Nonparametric Statistics*, 25, 889-904.
78. Lindsey, C., Sheather, S.J. & McKean, J.W. (2014). Using Sliced Mean Variance-Covariance Inverse Regression for classification and dimension reduction. *Computational Statistics*, 29, 769-798.
79. Lindsey, C.D. and Sheather, S.J. (2014). Building valid regression models for biological data. *Biological Knowledge Discovery Handbook*. Wiley, New York, 441-476.
80. Wehbe-Janek, H., Pliego, J., Sheather, S.J. & Villamaria, F. (2014). System-Based Interprofessional Simulation-Based Training Program Increases Awareness and Utilization of Rapid Response Teams. *The Joint Commission Journal on Quality and Patient Safety*, 40, 279-287.

81. Belcher, C., Heatley, J., Petzin-Ger, C., Hoppes, S., Larnar, C.D., Sheather S.J. & Macfarlane, R.D. (2014). Evaluation of Plasma Cholesterol, Triglyceride, and Lipid Density Profiles in Captive Monk Parakeets (*Myiopsitta monachus*). *Journal of Exotic Pet Medicine*, 23, 71-78.
82. Lindsey, C., & Sheather, S. (2015). Best subsets variable selection in nonnormal regression models. *Stata Journal*, 15, 1046-1059.
83. Sheather, S.J. (2016). Applications of robust regression to “big” data problems. *Robust Rank-Based and Nonparametric Methods*, Springer, New York, 101-120.
84. Sheather, S.J., and McKean, J.W. (2018). Discussion of “The power of monitoring: How to make the most of a contaminated multivariate sample”, *Statistical Methods & Applications*, 27, 625-629.

### Books

1. Staudte, R.G. & Sheather, S.J. (1990). *Robust Estimation and Testing*. Wiley, New York.
2. Sheather, S. J. (2009). *A Modern Approach to Regression with R*. Springer, New York.

### Other contributions in refereed journals and books

1. Sheather, S.J. (1993). Discussion of the paper by Hall and Johnstone. *Journal of the Royal Statistical Society, Series B*, 54, 524-525.
2. Sheather, S. J. and McKean, J. W. (1999). Comment on Multivariate L-estimation, *Test*, 8, 302-305.
3. Sheather, S. J. and McKean, J. W. (2001). Dimension reduction and visualization in discriminant analysis – Discussion. *Australian & New Zealand Journal of Statistics*, 43, 185-190.
4. Wilcox, R.R., Sheather, S., Brunner E. and Schimek. M.G. (2007). Nonparametric and robust methods (Editorial) *Computational Statistics & Data Analysis*, 51, 5010-5012.
5. Sheather, S.J. (2010). Review of "Running Regressions: A Practical Guide to Quantitative Research in Economics, Finance and Development Studies" by M. C. Baddeley and D. V. Barrowclough. *American Statistician*, 64, 359.
6. Hettmansperger, T.P. and Sheather, S.J. (2016). Foreword. *Robust Rank-Based and Nonparametric Methods*, Springer, New York, vii – viii.

### Conference Proceedings

1. Sheather, S.J. (1987). Assessing the accuracy of the sample median: estimated standard errors versus interpolated confidence intervals. *Statistical Data Analysis Based on the L1-Norm and Related Methods*, ed. Y. Dodge (ed.), North-Holland Amsterdam, 203–216.
2. Robinson, I. & Sheather S.J. (1988). Fast Computation of the Hodges-Lehmann estimator and its associated confidence limits. *Proceedings of Statistical Computing Section of the American Statistical Association*, 187–191.
3. McKean, J.W., Sheather, S.J. & Hettmansperger, T.P. (1990). Regression diagnostics for rank-based methods II. *Directions in Robust Statistics and Diagnostics, Part II*, Stahel, W. and Weisberg S (eds.), Springer-Verlag, New York, 21–32.
4. McKean, J.W. & Sheather, S.J. (1990). Small sample properties of robust analyses of linear models based on R-estimates: a survey. *Directions in Robust Statistics and Diagnostics, Part II*, Stahel, W. and Weisberg S (eds.), Springer-Verlag, New York, 1–20.
5. McKean, J.W., Sheather, S.J. & Hettmansperger, T.P. (1990). On the use of standardized residuals from a high breakdown GM-fit of a linear model. *Proceedings of the Business and Economic Statistics Section of the American Statistical Association*, 242–247.
6. Thombs, L.A. & Sheather, S.J. (1992). Local bandwidth selection. *Computer Science and Statistics: Proceedings of the 22nd Symposium on the Interface*, Page C. and Le Page R. (eds.), Springer-Verlag, New York, 111-116.

7. Sheather, S.J. & McKean, J.W. (1992). The interpretation of residuals based on L1 estimation. L1 - Statistical Analysis and Related Methods, ed. Yadolah Dudge, North-Holland Amsterdam, 145-156.
8. Barnett, G., Kohn, R., Sheather, S. and Wong, J. (1993). Markov chain Monte Carlo estimation of autoregressive models with application to metal pollutant concentration in sludge. Proceedings of the Australia-Japan Workshop on Stochastic Models in Engineering, Technology and Management, Osaki, S. and Pra Murthy, D.N. (eds), World Scientific, Singapore, 26-36.
9. Waldersee, R., and Sheather, S.J. (1993). The effect of strategy type on strategy implementation behaviour. Proceedings of the Academy of Management, p. 399.
10. McKean, J.W., Sheather, S.J. & Hettmansperger, T.P. (1994). The interpretability of LMS and LTS residual plots. Proceedings of the Statistical Consulting Section of the American Statistical Association.
11. Sheather, S.J. & Burton, S.M. (1994). The measurement of customer satisfaction. Proceedings of the New Zealand Organisation for Quality Conference.
12. Speed, M. & Sheather, S.J. (2008). Model Validity Checks In Data Mining: A Luxury or A Necessity?", SESUG - SouthEast SAS Users Group.
13. Sheather, S.J. (2016). Case Study: Using SAS® Forecast Studio: Daily Taxi Data from New York City, SAS Global Forum.
14. Szydziak, L. & Sheather, S. (2018). "NYS SPARCS public DATASET: Let's look at Septicemia, what can we learn?", International Conference on Health Policy Statistics Proceedings.

#### **Invited Presentations at Conferences**

1. Invited Paper, "Estimating the Standard Error of Robust Regression Estimates", Statcomp 1987, Melbourne, Australia, May, 1987.
2. Invited Paper, "Assessing the Accuracy of the Sample Median: Estimated Standard Errors Versus Interpolated Confidence Intervals", First International Conference on Statistical Data Analysis Based on the L1-Norm and Related Methods, Neuchatel, Switzerland, September, 1987.
3. Invited Talk, "An Edgeworth Expansion for Studentized Quantiles", Workshop on Small Sample Asymptotics, La Trobe University, Melbourne, Australia, July, 1988.
4. Invited Talk "Diagnostics for Robust Regression", Institute for Mathematics and its Applications Summer Program on Robustness, and Diagnostics, University of Minnesota, Minneapolis, July-August, 1989.
5. Invited Talk "Reliable Bandwidth Selection for Kernel Density Estimation", Institute of Mathematical Statistics Meeting, Baltimore, Maryland, April, 1990.
6. Invited Talk "Standardizing Residuals from a Robust Regression", Statistical Society of Australia Biennial Conference, Sydney, Australia, July, 1990.
7. Invited Talk "The Use and Interpretation of Residuals Based on Robust Estimation", First Great Lakes Symposium, Kalamazoo, Michigan, June 1992.
8. Invited Participant in Workshop on Semiparametric Methods in Regression, Keystone, Colorado, June, 1992.
9. Invited Paper "Interpreting Plots of  $L_1$ -Residuals", Second International Conference on Statistical Data Analysis Based on the  $L_1$ -Norm and Related Methods, Neuchatel, Switzerland, August, 1992.
10. Invited Talk "Measurement of Customer Satisfaction", Royal Institute of Public Administration Conference, Sydney, April, 1993.
11. Invited Paper "Time Series Modelling of Metal Pollutant Concentrations in Sludge", Australia-Japan Workshop in Stochastic Models in Engineering and Management, Gold Coast, Australia, July 1993.
12. Invited Talk "Markov Chain Monte Carlo Estimation of Time Series Models", STATCOMP93, University of Wollongong, September 1993.

13. Invited Talk "Bandwidth Selection for Local Polynomial Kernel Smoothers", Second Great Lakes Symposium, Kalamazoo, Michigan, October 1993.
14. Keynote Address "The Measurement of Customer Satisfaction", New Zealand Organization for Quality Conference, Auckland, May 1994.
15. Invited Talk "Diagnostic Procedures and Model Criticism for Robust Fits of a Linear Model", ASA JSM, Toronto, Canada, August 1994.
16. Invited Talk "Diagnostics to Detect Differences in Robust Fits of Linear Models", Third Great Lakes Symposium, Kalamazoo, Michigan, July 1995.
17. The Belz Lecture "What Every Statistician Should Know About Nonparametric and Robust Regression", Statistical Society of Australia, Victorian Branch, October 1996.
18. Invited Talk "The Analysis of Customer Satisfaction Data: It's Not as Straightforward as it Seems", Fourth Great Lakes Symposium, Kalamazoo, Michigan, October 1996.
19. Invited paper "A comparison of procedures based on inverse regression", Conference of Statistical Data Analysis Based on the  $L_1$ -norm and Related Methods, Neuchatel, Switzerland, August 1997
20. Invited talk "Using inverse regression to test if more than one linear combination of the predictors is needed", 5th Great Lakes Symposium, Kalamazoo, Michigan, October 1998.
21. Invited participant, Workshop on Nonparametric Statistics, Bern, July 2001.
22. Invited talk "A new method of dimension reduction for discriminating between groups", Statistical Society of Australia Conference, Canberra, July 2002.
23. Invited participant, Workshop on Nonparametric Statistical Methods, University of Tampere, Finland, June 2005.
24. Invited talk, "Discriminant procedures based on efficient robust discriminant coordinates", International Conference on Robust Statistics, Finland, June 2005.
25. Keynote address, SRCOS Summer Research Conference, Kerrville, Texas, June 2006.
26. Invited talk, "Reducing the variability of least squares cross-validation", Joint Statistical Meetings, Salt Lake City, Utah, July 2007.
27. Invited one day short course, "Mixed models", Quintiles, Kansas City, October 2007 (joint with M. Speed).
28. Invited talk, "Model validity checks for regression and logistic regression", M2007 Data Mining Conference, Las Vegas, October 2007 (joint with M. Speed).
29. Invited speaker, Nonparametric Statistics and Mixture Models: Past, Present, and Future, Pennsylvania State University, May, 2008.
30. Invited speaker, Methods and Applications in Modern Statistics, Workshop in Honor of David Ruppert's 60th birthday, Keystone Colorado, June, 2008.
31. Invited speaker, American Statistical Association Workshop for Department Heads, Denver, August, 2008.
32. Invited talk, "The importance of valid models in data mining", M2008 Data Mining Conference, Las Vegas, October 2008 (joint with M. Speed).
33. Invited talk, "Model Validity Checks In Data Mining: A Luxury or A Necessity?", SESUG - SouthEast SAS Users Group, St Pete Beach, Florida, October 2008 (joint with M. Speed).
34. Invited talk, "The role of valid models in data mining", Quality & Productivity Research Conference, IBM T. J. Watson Research Center, Yorktown Heights, New York, June 2009 (joint with M. Speed).
35. Keynote address, SRCOS Summer Research Conference, Jekyll Island, Georgia, June 2009.
36. Invited talk, "Online Delivery and the Use of Technology in the Classroom", AMA Joint Mathematics Meeting, San Francisco, January 2010 (joint with M. Speed).

37. Keynote address, "Choosing between Logistic Regression and Classification Trees in Data Mining", M2010 Data Mining Conference, Las Vegas, October 2010 (joint with M. Speed).
38. Invited talk, "A dimensionality test for Sliced Mean Variance Covariance Regression", 8th International Chinese Statistical Association International Conference, Guangzhou, China, December 2010.
39. Invited talk, "Sliced Mean Variance Covariance Regression", ASA Joint Statistical Meetings, Miami, August 2011 (joint with C. Lindsey and J. McKean).
40. Invited talk, "Marginal Model Plots with JMP and SAS Integration", JMP Discovery Summit, Raleigh, September 2012.
41. Invited talk, "Statistical Modelling of Publicly Available Health Care Data", 4th Eubank Conference on Real World Markets: Creating Growth; Entrepreneurship and Analytics, Rice University, September 2013.
42. Invited talk, "Guidelines for Undergraduate Statistics Programs Webinar Series: Preparing Statistics Majors for Graduate Study", February 2014.
43. Half-day course, "Modern Regression for Big Data Problems", ASA Conference on Statistical Practice, Tampa, February 2014.
44. Half-day course, "Modern Regression Methods for Predictive Business Analytics Using SAS and JMP", Kansas-Western Missouri Chapter of the American Statistical Association, University of Kansas, April 2014.
45. Keynote address, SRCOS Summer Research Conference, Galveston, Texas, June 2014.
46. Invited talk, "Predictive analytics for structured data using SAS and JMP", INFORMS, San Francisco, November 2014.
47. Keynote speaker, International Conference Robust Rank-Based and Nonparametric Methods, Kalamazoo, Michigan, April 2015.
48. Invited speaker, SAS Academic Data Science Advanced Analytics Summit, Carey, April 2015.
49. Invited speaker, Chief Data Officer Executive Summit, Dallas, Texas, May 2015.
50. Invited speaker/panelist, Joint Statistical Meetings, Seattle, Washington, August 2015
51. Invited speaker/panelist, 59th Annual Fall Technical Conference, Houston, Texas, October 2015
52. Invited talk, "Case Study Using SAS® Forecast Studio: Daily Taxi Data from New York City", SAS Global Forum, Las Vegas, Nevada, April 2016
53. Invited speaker, Stanford University, Emanuel Parzen Memorial, May 2016
54. Invited speaker, SAS Academic Data Science Advanced Analytics Summit, London, June 2016.
55. Invited panelist, "Big Data Next Chapter", Offshore Technology Conference, Houston, May 2018.
56. Anderson Invited Lecture, "Data Scientists and Statisticians: Competitors or Collaborators?", Department of Statistics, University of Kentucky, April 2019.
57. Keynote address, SRCOS Summer Research Conference, General Butler State Resort Park, Kentucky, June 2019.
58. Invited panelist, AACSB Metropolitan Business School Affinity Group "Deans Virtual Panel", September 2020.
59. Invited speaker, "Budgeting Through Uncertainty, AACSB Associate Deans Conference, November 2020.
60. Invited panelist, Tableau Executive Roundtable, December 2020.
61. Invited talk, "Seeing the future with predictive analytics", AACSB Deans Virtual Conference, February, 2022.

## Invited Colloquium Talks

University of Melbourne, Monash University, Stanford University, Western Michigan University, Ohio State University, Pennsylvania State University, University of North Carolina, Victorian & NSW Branches of Statistical Society of Australia, University of New South Wales, University of South Carolina, La Trobe University, University of Sheffield, University of Glasgow, Bath University, Australian National University, Thomas J. Watson Research Center (IBM), The Upjohn Pharmaceutical Company, South Carolina Chapter of the American Statistical Association, University of Newcastle, University of Wollongong, Macquarie University, Sydney Water Board, Southern Methodist University, Rutgers University, New York University, Columbia University, MDAnderson Cancer Center, San Antonio Chapter of the American Statistical Association, Genzyme, Brigham Young University, University of Kentucky, University of Pennsylvania Wharton School, UC Riverside, La Trobe University, Carnegie Mellon University

## Ph D Students

1. 1998, Suzan Burton, An Investigation of the Determinants of Customer Satisfaction (co-chair with J. Roberts)
2. 1999, Glen Barnett, Bayesian Estimation of Time Series Models (co-chair with R. Kohn)
3. 2002, Tim Harrold, Stochastic Generation of Daily Rainfall for Catchment Water Management Studies (joint with A. Sharma, Civil Engineering)
4. 2009, Olga Savchuk, Choosing a Good Kernel for Cross-Validation (co-chair with Jeff Hart)
5. 2010, Charles Lindsey, SMVCIR Dimensionality Test (chair)
6. 2011, Bradley Barney, Bayesian Joint Modelling of Binomial and Rank Response Data (co-chair with V. Johnson)
7. 2012, Dominic Jann, Bayesian Methods for Record Matching (co-chair with Mike Speed)

## Masters Students (MS (Statistics))

1. 2007, Charles Lindsey, A regression package based on Excel (chair)
2. 2007, Andrew Redd, Marginal model plots (chair)
3. 2009, Dana Bergstresser, Spline models for counts (chair)
4. 2010, Clarissa La, Retaining Loyal, High-Value Hilton Honors Members (co-chair with Mike Speed)
5. 2011, Shira Hetz, Comparison of Bandwidth Selectors for Kernel Density Estimates (chair)
6. 2012, Jack Bennett, Play Testing Games using Statistical Methods (chair)
7. 2013, Stephanie Platt, Red, red wine: Model selection using Portuguese wine (chair)
8. 2014, Kathleen Hosek, Modeling residence hall utilities consumption (chair)
9. 2014, Lisa Szydziak, Data.Medicare.gov – Statistical modeling of Hospital Compare data<sup>3</sup> (chair)
10. 2014, Taylor Davis, Predicting changes in customer satisfaction (chair)
11. 2014, Alex Bessinger, Joel Galang, Joseph Magagnoli, Jennifer Morse and Hung Tran, A model for opening weekend box office revenue based on Wikipedia activity (co-chair with Alan Dabney)
12. 2014, Daniel Evert, Michael Knous, Christopher Rodriguez and Samuel Temple, Logistic regression models for predicting the probability of a birdie or better on the PGA tour (co-chair with Alan Dabney)
13. 2014, Daniel Byler, Jonathan Goodhue, Warren Roane and Kelvin Li, A model for predicting price of Toyota certified preowned Camry vehicles (co-chair with Matthias Katzfuss)
14. 2014, Dan Liu, Alex Pestrikov, Richard Chapman, Lance Costello and Uday Hejmadi, Predicting daily usage in the Capital Bikeshare system (chair)

15. 2015, Patrick Clark, Andrea Ferris, Sydney Hammond, Raymond Kui, Alana Moczydlowski, Wenxin Pang, Johannes Roijen, Eric Talarico and Sui Zhang, Predicting credit events in 30 year mortgages using the Freddie Mac loan performance data (chair)
16. 2015, Teresa Barnett, Nicholas Darschewski, Jeremy Fergason, Jonathan Presto and Daniela Sakamoto, Predicting US gross movie box office receipts along with days in release (chair)
17. 2015, Lynetta Campbell, Felipe Chacon, John Czarnek, Jeffrey Kirk and Susan Uland, Predicting sound pressure levels using a data set from NASA (chair)
18. 2015, Garrett Anderson, Wenhong Fan, Paul Garrett and Shuhua Xia, Predicting daily utility consumption in residence halls at TAMU (chair)
19. 2015, Nayab Ali, Kellie Hirt, Adrienne Meehan, Matthew Stromberg and Vivian Thompson, Predicting usage and overtime revenue from Citi Bike (co-chair with Mike Speed)
20. 2015, Kathleen Carrothers, Venkata Mantripragada, John Morris and Patrick Stout, Predicting College football attendance and revenue (co-chair with Mike Speed)
21. 2015, Mark Barrish, Zhen Li, Brian Roach, Makio Tamura, David Walling and Lisa Workman, Modeling price, customer ratings and popularity of Airbnb rentals (chair)
22. 2016, David Bartkowiak, Mingen Feng, Justin Field, Gabrielle Griffin, Monica Huynh, Travis Lilley, Krishna Patwari, Oscar Pena, Christopher Shannon and Sean Wisnieski, Modelling the selling prices of homes in different cities across the US (chair)
23. 2016, Kenneth Kovats and Lakshmi Kuchipudi, Predicting NFL draft outcomes (chair)
24. 2016, Kristin Carter, Stephen Case, Nehal Patel and Susan Watson, Predicting Major League Baseball Game by Game Attendance for different MLB teams (chair)
25. 2016, Brian Hills, Laura Holland, Lyndon Ollar and Peter Weaver, Modelling the probability of a successful shot for different NBA players (chair)
26. 2017, David Decker, Jacob Hodges, Brinda Krishnaswamy, Meng Lin, Davis Phanthalack and Adam Walker, Modeling churn and customer lifetime of the customers of a telecommunications company (chair)
27. 2017, Anthony Dasplit, Kyle Marshall, Elliott Mitchell, David Uzquiano and Nataly Yagur, Modeling the sales prices of homes in King County, Seattle (chair)
28. 2017, Jason Bottcher, Dilsher Dhillon, Soufiane Ghadfa, Justin Kimber, Shannon Nitroy, Lisa Shang and Victoria Sieck, Modeling the daily number of red light camera violations in Chicago (chair)
29. 2018, Amol Desjmukh, Mariame Mbaye, Allison Rountree, Li Zhang and Wei Wu, Peer group analysis (chair)

### **Masters Students (MS (Analytics))**

Chair or co-chair of individual student project committees for

- 8 students in 2015
- 21 students in 2016
- 24 students in 2017
- 24 students in 2018

---

<sup>3</sup> Winner of best Academic Paper in the Allied Health Category at the Hofstra North Shore – LIJ School of Medicine Annual Academic competition

## Service

### University of Kentucky

2018-	James B. Beam Institute for Kentucky Spirits Steering Committee
2018-2019	Concept Team Committee (Concept Team 3 – Efficiencies and Effectiveness)
2018-2019	UK iPad Initiative
2018-2019	Online Education Task Force
2019-2020	Endowment Advisory Committee
2018	Member of the UK delegation to China led by the Provost
2018-	Monthly “Simon Says” videos
2018, 2019	19 <sup>th</sup> and 20 <sup>th</sup> Annual Washington, D.C. Kentucky Congressional Fly-In
2019	Hosted SEC Business Deans Conference in Lexington, KY
2021	Chair of the Summative Review Committee for the Dean of Nursing

### Texas A&M University

#### Collegiate

2005-2014	College of Science Executive Committee
2005-2011	Departmental Representative State Employee Charitable Campaign - Raised more than \$40,000 over 6 years, using innovative methods such as a Departmental Talent Show, which was sponsored by a number of local businesses.
2014-2015	Search Advisory Committee for the Dean of Science including Chairing the Subcommittee to choose a Search Firm
2014	College of Science Selection Committee for The Association of Former Students' College-Level Teaching Awards
2017	College of Science Interdisciplinary Majors Committee

#### University

2006-2007	Texas A&M University Campus Climate Survey - Analyzed the data collected in the 2006 Campus Climate Survey. Two reports were produced entitled Predictors of Department Head X “is an effective administrator” (17 pages) and Statistical Analysis of the Texas A&M University Climate Survey (89 pages). A presentation of the first report was given to Department Heads at a Department Head Council Meeting.
2006-2008	President of the International Faculty and Scholar Network - Created and organized the inaugural International Friendly Business Forum in which 28 companies from the surrounding area displayed their services and answered questions as to how these services can benefit our international faculty. As a result, two prominent local banks established new programs providing access to credit cards, home and auto loans for international faculty without credit histories in the US.
2008-2009	Teaching-Learning Roadmap Committee - Asked by the Provost to analyse the data collected in the campus wide survey on learning outcomes. A report was produced entitled <i>Statistical Analysis of the Teaching-Learning Survey Results</i> (38 pages). A presentation of the report was given at a University wide forum.
2008-2009	Academic Master Plan Steering Committee
2009-2010	Chair, Faculty Evaluation Task Force on Teaching, President’s Task Force on Faculty Evaluations - Led a group which produced a report recommending changes to the way faculty are evaluated in terms of teaching. In addition, gave presentations describing the recommendations to the Department Head Council, to the Council of Deans, to the Faculty Senate and at a University wide forum.

2011-2013	Member of the Department Head Council
2012-2013	Massive Open Online Course (MOOC) Exploration Committee
2012-2018	Core Curriculum Technology Enhanced Grant Committee
2012-2014	Activity leader for the ADVANCE leadership development program for Department Heads
2013-2014	Chair of the Department Head Council
2013-2014	Member of the President's Council on Climate and Diversity
2013-2014	Email Selection Advisory Committee
2013-2014	Massive Open Online Course (MOOC) Advisory Committee
2013-2014	Member of the Strategic Re-allocation Sub-Council
2013-2014	PWC Advisory Committee
2016-2017	I(nnovation) School Task Force
2017-2018	Member of the Distance Education Coordination Committee
2017&2018	Chosen to be a Faculty Speaker at New Student Conferences
2017-2018	Member of the Texas A&M University Strategic IT Committee

## University of New South Wales

### Collegiate

1994-1997	Higher Degree Executive Committee
1994-2003	Scholarship Committee
1995-1998	Faculty representative on the AGSM Board of Management
1998	AGSM Strategy Reference Group
1998, 2000, 2003	Faculty Performance Appraisal Committee
1999	Speaker at the Toyota Executive Forum
2000	MBA Review Reference Group
2001-2005	Curriculum Committee
2001-2003	Author of the reports " <i>Statistical Analysis of the Financial Times 2001 &amp; 2002 Rankings of Full-time MBA Programs</i> ", " <i>Regression Analysis of Financial Times EMBA Rankings</i> ", " <i>Statistical Analysis of the Financial Times 2001 Rankings of Open Enrolment Executive Education Programs</i> ", " <i>Predicted EMBA course enrolments for 2003</i> ", " <i>Price elasticity of executive education programs</i> "
2002-2005	Dean's Advisory Committee
2002	Chair of the Growth Options Working Party
2002, 2003	Alumni Conference Speaker
2002, 2003	Speaker at corporate lunches including "Meet the AGSM" and Chief Executive Women
2003	Corporate and Executive Education Strategic Review Committee

### University

1999	University of New South Wales (UNSW) Vice Chancellor's Award of Excellence in Teaching Selection Committee
2002	Speaker at a UNSW forum on how to obtain an ARC grant
2004	UNSW Research Committee

## Service

### Profession

1982–1983, 1991	Member of the Organizing Committee for the Young Statisticians Annual Workshop
1988–1992	Member of the Council of the Statistical Society of Australia (New South Wales Branch).
1997-2001	Member of the National Executive Committee of the Statistical Society of Australia
2001	Chair of the Best Paper Committee, ASA Section on Nonparametric Statistics
2006–2007	Member of the ASA Task Force on Science Policy
2007-2008	Chair-elect ASA Program Committee Section on Nonparametric Statistics
2008-2009	Chair ASA Program Committee Section on Nonparametric Statistics
2009-2010	Member of the ASA Task Force on Membership Growth
2010	Member of the Interface 2010 Program Committee
2012	Chair of the External Review Committee for the Department of Statistics at the University of Kentucky
2012	Member of the External Review Committee for the Department of Mathematics and Statistics at the University of Cyprus
2013	Member of the External Review Committee for the Department of Statistics at the University of British Columbia
2016	Chair of the National Science Foundation Site Visit Team at SAMSI
2017	Member of the External Review Committee for the Department of Statistics at the University of Toronto
2017	Member of the External Review Committee re the creation of a new Master of Science in Data Analytics at SUNY Binghamton
2021	Member of the AACSB Review Committee at the University of Nebraska-Lincoln
2022	Member of the AACSB Review Committee at Mississippi State University

## Service

### Community

2011-2016	Member of the Board of the Boys and Girls Club of the Brazos Valley
-----------	---

### Consulting

1986–1987	Deputy Director, Statistical Consulting Centre, Department of Statistics, U of Melbourne
1987–2005	Consultant for Unisearch, University of New South Wales and AGSM Limited.
2005–2008	Member of the Scientific Advisory Panel, Apollo Life Sciences
2007–2011	Scott & White, Temple Texas
2012–2018	President of <i>Texas A&amp;M Statistical Services, LP</i>

Extensive consulting experience, particularly in the application of statistical methods to business settings. Prepared a number of expert witness reports and appeared as an expert witness in a matter in the Supreme Court of NSW.

### Philanthropy

2010–	Margaret Sheather Memorial Award, Texas A&M University
2017–2018	Sheather Scholarships for First Generation Undergraduate Students, Texas A&M University