

# Simon J. Sheather

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**Position** Dean, Gatton College of Business and Economics, University of Kentucky

## Education and Qualifications

1981 BS (1st Class Honours) in Mathematical Statistics, University of Melbourne  
1986 PhD in Statistics, La Trobe University

## Awards and Honors

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 ISIHighlyCited.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 10,000 total citations as of January 2018.  
2008 American Statistical Association, Statistics in Chemistry Award  
2012 Fish Camp Namesake, Texas A&M University  
2012, 2014 Mentor of the winning student teams in the 2012 & 2014 Capital One National Statistical Modeling Competitions  
2013 Texas A&M University Association of Former Students Distinguished Achievement College-Level Teaching Award  
2017 SAS Distinguished Professor Award

## Academic Career History

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 (AGSM), 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, New York University  
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 Cancer Center  
2018- Dean, Gatton College of Business and Economics, University of Kentucky

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<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 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.                                       |

### Texas A&M University

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| 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 Kentucky

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| 2018– | Dean, Gatton College of Business and Economics, University of Kentucky. |
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## Administrative Career History: Details

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

|           |  |
|-----------|--|
| 1994–1997 | <p>Academic Director, Full-time MBA Program, AGSM.</p> <p>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. Responsibilities included:</p> <ol style="list-style-type: none"><li>1. <i>Academic delivery of the program:</i> This included attending to student concerns regarding all aspects of the program.</li><li>2. <i>Marketing of the program:</i> 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).</li><li>3. <i>Administration:</i> Managing the day to day administration of the program including managing 7 full time and 2 part time staff members.</li><li>4. <i>Chairing an extensive review of the program and implementing the findings:</i> The MBA Review was undertaken to identify the key actions required to increase the relevance and quality of the program. The process itself was critical because of the many people involved and because of the need to ensure that all stakeholders' needs were appropriately met. The 1994 Review included focus groups with over 50 students and meetings were attended by all faculty and senior staff. The Review was comprehensive, with issues ranging from curriculum content, program flexibility and teaching processes. At the end of the 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 major changes</li></ol> |
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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 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, 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.

## 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 2008. The distance program has produced over one million dollars 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:* Led development efforts that raised \$2.95 million consisting of
  - a. 2008, a planned gift was received from Norbert Hartman in 2008 (valued at \$1.75 million)
  - b. 2009, \$40,000 was raised from faculty and alumni to establish the Raymond J. Carroll Young Investigator Award
  - c. 2010, a gift of \$30,000 was received to establish the Margaret Sheather Memorial Award
  - d. 2011, a gift of \$100,000 was received to establish the Anant M. Kshirsager Endowment
  - e. 2013/2014, gifts totalling \$1 million were received from SAS to support the development of a new MS Analytics program
  - f. 2013, a gift of \$30,000 was received to establish the Roland Acra Award

In addition, during my time as Department Head, two separate gifts of \$1million were received to fund the only two chairs in Statistics, namely the George P. Mitchell 40 Chair and the Jill and Stuart A. Harlin 83 Chair.

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

5. *Responses to budget cuts:* In 2010/2011 the Department of Statistics Salary and Operations Budget was cut by 10%. Given that 60% of the budget is tied up with salaries of tenured faculty, this meant the 10% cut was taken from the remaining 40%, making this effectively a 25% cut. The following actions were taken in response to the cut. As a result no administrative staff or untenured academic staff were let go.
  - a. 2011, a decision was made to use some of the profits from Distance Education to support Departmental activities
  - b. 2012, with the permission of the President and the Provost, a new company *Texas A&M Statistical Services LP* was formed to perform statistical consulting for companies in Texas and across the US.

2011- Director of Online Programs, Department of Statistics.

In the 2016/2017 academic year there were in excess of 1,300 course enrolments in online graduate courses in Statistics.

2013- Academic Director of MS Analytics Program, Department of Statistics.

The MS Analytics degree is offered by the Department of Statistics in partnership with the Mays Business School. This part-time program is currently taught at the City Centre in Houston and broadcast live to students across the country. Students pay 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

### 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 <i>Journal of the American Statistical Association</i>   |
| 1993-2003 | Co-editor of the Springer monographs on <i>Statistics and Computing</i>  |
| 1997      | Editor of the <i>Australian Journal of Statistics</i>  |
| 1998-2001 | Inaugural Managing Editor and Theory & Methods Editor of the <i>Australian and New Zealand Journal of Statistics</i> . |

### Peer Review for Granting Bodies

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| 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; Elseiver, 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>

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



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., Lerner, 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). Comment on “The power of monitoring: How to make the most of a contaminated multivariate sample”, *Statistical Methods & Applications*, to appear.

### 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 Dodge, 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 (<http://analytics.ncsu.edu/sesug/2008/MPSF-073.pdf>).
13. Sheather, S.J. (2016). Case Study: Using SAS® Forecast Studio: Daily Taxi Data from New York City, SAS Global Forum (<http://support.sas.com/resources/papers/proceedings16/4001-2016.pdf>).

#### **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.

### **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 Ferguson, 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)

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<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 July, 2018

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 Daspit, 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))**

1. 2015, Aaron Agnew (chair)
2. 2015, Mike Bergeron (chair)
3. 2015, Steve Bowden (chair)
4. 2015, Lauren Engle (co-chair with E. Jones)
5. 2015, Danny Leonard (chair)
6. 2015, Erin Parrott (chair)
7. 2015, Sasi Shiffaraw (co-chair with E. Jones)
8. 2015, Bora Tarhan (co-chair with Mike Speed)
9. 2016, Kyle Briese (chair)
10. 2016, Michael Davidson (chair)
11. 2016, John Suarez (chair)
12. 2016, Matt Mettry (chair)
13. 2016, Clayton Dean (chair)
14. 2016, Frederico Allevato (co-chair with Eric Ziegel)
15. 2016, Jamey Johnston (co-chair with Mike Speed)
16. 2016, Aaron Grutter (co-chair with Eric Ziegel)

17. 2016, Cindy Czako (co-chair with E. Jones)
18. 2016, Ziad Katrib (co-chair with E. Jones)
19. 2016, Pradyumma Dhakal (co-chair with Eric Ziegel)
20. 2016, Brian Klute (co-chair with Mike Speed)
21. 2016, Kelly Schmutzler (co-chair with Mike Speed)
22. 2016, Sasikala Mohan (co-chair with William B. Smith)
23. 2016, Pablo Ormachea (co-chair with E. Jones)
24. 2016, Yoel Kluk (co-chair with E. Jones)
25. 2016, Tricia Yowell (co-chair with William B. Smith)
26. 2016, Ivan Arrington (co-chair with Mike Speed)
27. 2016, Joel Hill (co-chair with E. Jones)
28. 2016, Bret Liberatore (co-chair with William B. Smith)
29. 2016, David Watkins (co-chair with Mike Speed)
30. 2017, Pieter Bartosh (co-chair with E. Jones)
31. 2017, Nicolo Casarta (co-chair with Eric Ziegel)
32. 2017, Alfredo Escriba (co-chair with M. Jun)
33. 2017, Aaron Glover (co-chair with Eric Ziegel)
34. 2017, David Wilk (co-chair with Eric Ziegel)
35. 2017, Jonathan Hart (chair)
36. 2017, Alvin Ross Martin (co-chair with E. Jones)
37. 2017, Jason Miles (co-chair with William B. Smith)
38. 2017, Allyson Hugley (chair)
39. 2017, Nestor Via (chair)
40. 2017, Olgica Klindworth (co-chair with William B. Smith)
41. 2017, Jared Oliver (co-chair with E. Jones)
42. 2017, Chun Wu (co-chair with William B. Smith)
43. 2017, Josh Lamberth (co-chair with William B. Smith)
44. 2017, Thomas Broussard (co-chair with E. Jones)
45. 2017, Rebecca Esser Stuart (chair)
46. 2017, Abiodun Akogun (co-chair with Eric Ziegel)
47. 2017, Je'Anna Lanza Abbott (chair)
48. 2017, Patricia Stanton (chair)
49. 2017, Keith Smith (co-chair with Eric Ziegel)
50. 2017, Aaron Rubinstein (co-chair with Eric Ziegel)
51. 2017, Graham Cain (co-chair with Eric Ziegel)
52. 2017, Jane Crittenden (chair)



53. 2017, Laurie Phan (chair)
54. 2018, Ivan Berry (co-chair with Eric Ziegel)
55. 2018, Janell Ream (chair)
56. 2018, John Bonafardecì (chair)
57. 2018, Jeana Simpson Guillory (chair)
58. 2018, Luke Roquette (co-chair with Eric Ziegel)
59. 2018, James Whitaker (co-chair with E. Jones)
60. 2018, Alan Reese (co-chair with M. Jun)
61. 2018, Tathagata Basu (chair)
62. 2018, Adrian Heredia (co-chair with Eric Ziegel)
63. 2018, Aaron Lanier (co-chair with William B. Smith)
64. 2018, Michael Cannady (co-chair with M. Jun)
65. 2018, Marek Danis (co-chair with E. Jones)
66. 2018, Cameron Cross (chair)
67. 2018, Sam Gonzalez (co-chair with William B. Smith)
68. 2018, Richard Brown (chair)
69. 2018, Antonio Urbina Garcia (co-chair with William B. Smith)
70. 2018, Mark Gerrard (chair)
71. 2018, JT Taylor (co-chair with William B. Smith)
72. 2018, Grecia Briceno Parra (chair)
73. 2018, Steven Kuo (chair)
74. 2018, Richard Copsey (co-chair with William B. Smith)
75. 2018, Jason Lucas (chair)
76. 2018, Aaron Harris (co-chair with William B. Smith)
77. 2018, Michael Goodwin (co-chair with William B. Smith)
78. 2018, Girishan Shamugam (co-chair with M. Jun)

## Service

### 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  |

### 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 - Analysed 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 *Statistical Analysis of the Teaching-Learning Survey Results* (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 (<https://cio.tamu.edu/it-governance/committees/sitc/index.php#details>)

## 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

## 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 *Texas A&M Statistical Services, LP* ([www.tamstatservices.com/](http://www.tamstatservices.com/))

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