

JEFFREY S. SIMONOFF

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EDUCATIONAL EXPERIENCE

1980 Doctor of Philosophy (Statistics), Yale University
1978 Master of Philosophy (Statistics), Yale University
1976 Bachelor of Science (majors: Applied Mathematics and Statistics, and Computer Science), State University of New York at Stony Brook

WORK EXPERIENCE

1992–Present: Professor of Statistics, Leonard N. Stern School of Business, New York University; Edythe and George Heyman Faculty Fellow, 2001–2004; Andre Meyer Faculty Fellow, 2004–2007; Robert Stansky Research Faculty Fellow, 2007–2011; Toyota Motor Corporation Term Professor of Statistics, 2011–2014; Robert A. Miller Faculty Fellow, 2014–Present
1987–1992: Associate Professor of Statistics, Leonard N. Stern School of Business, New York University
1980–1987: Assistant Professor of Statistics, Leonard N. Stern School of Business, New York University

PROFESSIONAL HONORS

Fellow, American Statistical Association
Fellow, Institute of Mathematical Statistics
Elected Member, International Statistical Institute

PUBLICATIONS

Books

1. *A Casebook for a First Course in Statistics and Data Analysis* (1995), John Wiley and Sons (coauthored with S. Chatterjee and M.S. Handcock).
2. *Smoothing Methods in Statistics* (1996), Springer-Verlag.
3. *An Introduction to Smoothing and Nonparametric Regression* (Japanese translation of *Smoothing Methods in Statistics*) (1999), Norin-Tokei Kyoukai.

4. *Analyzing Categorical Data* (2003), Springer–Verlag.
5. *Nonprofit Trusteeship in Different Contexts* (2004), Ashgate (coauthored with R. Abzug).
6. *Handbook of Regression Analysis* (2013), John Wiley and Sons (coauthored with S. Chatterjee).

Books edited

1. *The SAGE Handbook of Multilevel Modeling* (2013), Sage (coedited with M.A. Scott and B.D. Marx).

Articles in journals, books, and refereed proceedings

1. “The Application of Statistical Methodology to the Evaluation of Timing Devices in Commodities Trading” (1981), *Journal of Futures Markets*, **1**, 649–656.
2. “A Look at Daily Lotteries” (1983), *American Statistician*, **37**, 49–52 (with I.W. Kabak).
3. “A Penalty Function Approach to Smoothing Large Sparse Contingency Tables” (1983), *Annals of Statistics*, **11**, 208–218.
4. “The Calculation of Outlier Detection Statistics” (1984), *Communications in Statistics—Simulation and Computation*, **13**, 275–285.
5. “A Comparison of Robust Methods and Detection of Outliers Techniques when Estimating a Location Parameter” (1984), *Communications in Statistics—Theory and Methods*, **13**, 813–842.
6. “Budget Attainment in Single Period Inventory Models” (1984), *Engineering Economist*, **29**, 42–72 (with I.W. Kabak).
7. “The Yale Survey: A Large–scale Study of Book Deterioration in the Yale University Library” (1985), *College and Research Libraries*, **46**, 111–132 (with R.G. Walker, J. Greenfield and J. Fox).
8. “An Improved Goodness–of–Fit Statistic for Sparse Multinomials” (1985), *Journal of the American Statistical Association*, **80**, 671–677.
9. “On Spending Money” (1986), *IIE Transactions*, **18**, 79–87 (with I.W. Kabak).
10. “Jackknife–based Estimators and Confidence Regions in Nonlinear Regression” (1986), *Technometrics*, **28**, 103–112 (with C.–L. Tsai).
11. “Diagnostic Plots for Missing Data in Least Squares Regression” (1986), *Journal of the American Statistical Association*, **81**, 501–509 (with G.A. Simon).
12. “Jackknifing and Bootstrapping Goodness–of–Fit Statistics in Sparse Multinomials” (1986), *Journal of the American Statistical Association*, **81**, 1005–1011.
13. “Discussion of C.F.J. Wu’s, ‘Jackknife, Bootstrap and Other Resampling Methods in Regression Analysis’ ” (1986), *Annals of Statistics*, **14**, 1326–1328 (with C.–L. Tsai).
14. “Alternative Estimation Procedures for $\Pr(X < Y)$ in Categorized Data” (1986), *Biometrics*, **42**, 895–907 (with Y. Hochberg and B. Reiser).
15. “Probability Estimation via Smoothing in Sparse Contingency Tables” (1987), *Statistics and Probability Letters*, **5**, 55–63.
16. “Outlier Detection and Robust Estimation of Scale” (1987), *Journal of Statistical Computation and Simulation*, **27**, 79–92.
17. “The Breakdown and Influence Properties of Outlier Rejection–Plus–Mean Procedures” (1987), *Communications in Statistics—Theory and Methods*, **16**, 1749–1760.

18. "The Use of Regression Methodology for the Compromise of Confidential Information in Statistical Databases" (1987), *ACM Transactions on Database Systems*, **12**, 593–608 (with M.A. Palley).
19. "Regression Diagnostics to Detect Nonrandom Missingness in Linear Regression" (1988), *Technometrics*, **30**, 205–214.
20. "Detecting Outlying Cells in Two-way Contingency Tables via Backwards-Stepping" (1988), *Technometrics*, **30**, 339–345.
21. "Jackknifing and Bootstrapping Quasi-Likelihood Estimators" (1988), *Journal of Statistical Computation and Simulation*, **30**, 213–232 (with C.-L. Tsai).
22. "The Use of Guided Reformulations When Collinearities are Present in Non-linear Regression" (1989), *Applied Statistics*, **38**, 115–126 (with C.-L. Tsai).
23. "Estimation and Inference in Pharmacokinetic Models: The Effectiveness of Model Reformulation and Resampling Methods for Functions of Parameters" (1990), *Journal of Pharmacokinetics and Biopharmaceutics*, **18**, 361–377 (with D. Niedzwiecki).
24. "A Comparison of Estimators for Regression With a Censored Response Variable" (1990), *Biometrika*, **77**, 515–520 (with G. Heller).
25. "General Approaches to Stepwise Identification of Unusual Values in Data Analysis" (1991), in *Directions in Robust Statistics and Diagnostics: Part II*, ed. W. Stahel and S. Weisberg, Springer-Verlag: New York, 223–242.
26. "Higher Order Effects in Log-Linear and Log-Nonlinear Models for Contingency Tables With Ordered Categories" (1991), *Applied Statistics*, **40**, 449–458 (with C.-L. Tsai).
27. "Variance Estimation for Sample Autocovariances: Direct and Resampling Approaches" (1991), *Australian Journal of Statistics*, **33**, 23–42 (with C.M. Hurvich and S.L. Zeger).
28. "Assessing the Influence of Individual Observations on a Goodness-of-Fit Test Based on Nonparametric Regression" (1991), *Statistics and Probability Letters*, **12**, 9–17 (with C.-L. Tsai).
29. "Prediction in Censored Survival Data: A Comparison of the Proportional Hazards and Linear Regression Models" (1992), *Biometrics*, **48**, 101–115 (with G. Heller).
30. "The Relative Importance of Bias and Variability in the Estimation of the Variance of a Statistic" (1993), *The Statistician*, **42**, 3–7.
31. "High Breakdown Regression and Multivariate Estimation" (1993), *Applied Statistics*, **42**, 423–432 (with D.M. Hawkins).
32. "Discussion of L. Davies and U. Gather's, 'The Identification of Multiple Outliers' " (1993), *Journal of the American Statistical Association*, **88**, 793–794.
33. "Procedures for the Identification of Multiple Outliers in Linear Models" (1993), *Journal of the American Statistical Association*, **88**, 1264–1272 (with A.S. Hadi).
34. "A Study of the Effectiveness of Simple Density Estimation Methods" (1993), *Computational Statistics*, **8**, 259–278 (with C.M. Hurvich).
35. "The Construction and Properties of Boundary Kernels for Sparse Multinomials" (1994), *Journal of Computational and Graphical Statistics*, **3**, 57–66 (with J. Dong).
36. "Use of Modified Profile Likelihood for Improved Tests of Constancy of Variance in Regression" (1994), *Applied Statistics*, **43**, 357–370 (with C.-L. Tsai).
37. "Distributing a Computationally Intensive Estimator: The Case of Exact LMS Regression" (1994), *Computational Statistics*, **9**, 83–95 (with D.M. Hawkins and A.J. Stromberg).

38. "Improving the Estimation and Outlier Identification Properties of the Least Median of Squares and Minimum Volume Ellipsoid Estimators" (1994) *Parisankhyan Samikkha*, **1**, 61–70 (with A.S. Hadi).
39. "Review of *An Introduction to the Bootstrap* by B. Efron and R.J. Tibshirani and *Computer-Intensive Statistical Methods: Validation Model Selection and Bootstrap* by J.S.U. Hjorth" (1994), *Journal of the American Statistical Association*, **89**, 1559–1560.
40. "Smoothing Categorical Data" (1995), *Journal of Statistical Planning and Inference*, **47**, 41–69.
41. "A Simple, Automatic and Adaptive Bivariate Density Estimator Based on Conditional Densities" (1995) *Statistics and Computing*, **5**, 245–252.
42. "The Anchor Position of Histograms and Frequency Polygons: Quantitative and Qualitative Smoothing" (1995), *Communications in Statistics—Simulation and Computation*, **24**, 691–710.
43. "A Geometric Combination Estimator for d-Dimensional Ordinal Sparse Contingency Tables" (1995), *Annals of Statistics*, **23**, 1143–1159 (with J. Dong).
44. "Nonparametric Estimation of Probability and Density Functions" (1995), in *Collection of Procedures for Planning and Analysis of Experiments*, ed. D. Rasch, G. Herrendörfer, J. Bock, N. Victor and V. Guiard, Oldenbourg-Verlag: München, 633–643 (with M.P. Wand).
45. "Measuring the Stability of Histogram Appearance when the Anchor Position is Changed" (1997), *Computational Statistics and Data Analysis*, **23**, 335–353 (with F. Udina).
46. "The 'Unusual Episode' and a Second Statistics Course" (1997), *Journal of Statistics Education*, **5** (<http://www.amstat.org/publications/jse/v5n1/simonoff.html>).
47. "Nursing Behaviors of Beluga Calves (*Delphinapterus Leucas*) Born in Captivity" (1997), *Zoo Biology*, **16**, 247–262 (with J.M. Russell and J. Nightingale).
48. "Smoothing Parameter Selection in Nonparametric Regression Using an Improved Akaike Information Criterion" (1998), *Journal of the Royal Statistical Society, Series B*, **60**, 271–293 (with C.M. Hurvich and C.-L. Tsai).
49. "Logistic Regression, Categorical Predictors and Goodness-of-Fit: It Depends on Who You Ask" (1998), *American Statistician*, **52**, 10–14.
50. "Three Sides of Smoothing: Categorical Data Smoothing, Nonparametric Regression, and Density Estimation" (1998), *International Statistical Review*, **66**, 137–156.
51. "Move Over, Roger Maris: Breaking Baseball's Most Famous Record" (1998), *Journal of Statistics Education*, **6** (<http://www.amstat.org/publications/jse/v6n3/datasets.simonoff.html>).
52. "Maximum Penalized Likelihood" (1998), in *Encyclopedia of Biostatistics*, ed. P. Armitage and T. Colton, John Wiley and Sons, Chichester, 3318–3321.
53. "Semiparametric and Additive Model Selection Using an Improved Akaike Information Criterion" (1999), *Journal of Computational and Graphical Statistics*, **8**, 22–40 (with C.-L. Tsai).
54. "Toward Enhancing the Quality and Quantity of Marketing Majors: An Empirical Study" (1999), *Journal of Marketing Education*, **21**, 4–13 (with P. LaBarbera).
55. "Smoothing Methods for Discrete Data" (2000), in *Smoothing and Regression. Approaches, Computation and Application*, ed. M.G. Schimek, John Wiley and Sons, New York, 193–228 (with G. Tutz).
56. "Transformation-Based Density Estimation for Weighted Distributions" (2000), *Journal of Nonparametric Statistics*, **12**, 861–878 (with H. El Barmi).
57. "Predicting Movie Grosses : Winners and Losers, Blockbusters and Sleepers" (2000), *Chance*, **13**(3),

15–24 (with I.R. Sparrow).

58. “Nonprofits as Large Employers: A City-Level Geographical Inquiry” (2000), *Nonprofit and Voluntary Sector Quarterly*, **29**, 455–470 (with R. Abzug and D. Ahlstrom).
59. “A Robust Approach to Categorical Data Analysis” (2001), *Journal of Computational and Graphical Statistics*, **10**, 135–157 (with K.V. Shane).
60. “Were the 1996–2000 Yankees the Best Baseball Team Ever?” (2002), *Chance*, **15**(1), 23–29 (with G.A. Simon).
61. “Score Tests for the Single Index Model” (2002), *Technometrics*, **44**, 142–151 (with C.–L. Tsai).
62. “An Empirical Study of Factors Relating to the Success of Broadway Shows” (2003), *Journal of Business*, **76**, 135–150 (with L. Ma).
63. “Tree Induction vs. Logistic Regression: A Learning-Curve Analysis” (2003), *Journal of Machine Learning Research*, **4**, 211–255 (with C. Perlich and F. Provost).
64. “The Conditional Breakdown Properties of Least Absolute Value Local Polynomial Estimators” (2005), *Journal of Nonparametric Statistics*, **17**, 15–30 (with A. Giloni).
65. “Discussion of I. Liu and A. Agresti’s, ‘The Analysis of Ordered Categorical Data: An Overview and a Survey of Recent Developments’ ” (2005), *Test*, **14**, 33–36.
66. “Review of *Applied Linear Regression*, 3rd ed. by S. Weisberg” (2005), *SIAM Review*, **47**, 850–853.
67. “Robust Analysis of Variance: Process Design and Quality Improvement” (2006), *International Journal of Productivity and Quality Management*, **1**, 306–319 (with A. Giloni and S. Seshadri).
68. “ ‘Last Licks’: Do They Really Help?” (2006), *American Statistician*, **60**, 13–18 (with G.A. Simon).
69. “Robust Weighted LAD Regression” (2006), *Computational Statistics and Data Analysis*, **50**, 3124–3140 (with A. Giloni and B. Sengupta).
70. “Unraveling Geographic Interdependencies in Electric Power Infrastructure” (2006), *Proceedings of 39th Annual Hawaii International Conference on System Sciences (CD-ROM)*, January 4-7, 2006, Computer Society Press, 8 pages (with C. Restrepo and R. Zimmerman).
71. “A Mathematical Programming Approach for Improving the Robustness of LAD Regression” (2006), *Naval Research Logistics*, **53**, 261–271 (with A. Giloni and B. Sengupta).
72. “Can CopaxoneTM Be ViagraTM? On Branding Innovative Drugs Through Design” (2006), *Proceedings of the Fifth Conference on Design and Emotion (CD-ROM)*, September 27-29, 2006 (with A. Lechner and L. Harrington).
73. “Studying ‘Glocal’ Color-Emotion Associations in the Pharmaceutical Industry: Mapping Universal and Local Themes” (2006), *Proceedings of the Fifth Conference on Design and Emotion (CD-ROM)*, September 27-29, 2006 (with A. Lechner and L. Harrington).
74. “Red! I Am In Love, I Am Enraged! A Note on the Risk of Eliciting Negative Emotions” (2006), *Proceedings of the Fifth Conference on Design and Emotion (CD-ROM)*, September 27-29, 2006 (with A. Lechner and L. Harrington).
75. “Bright Lights, Big Dreams – A Case Study of Factors Relating to the Success of Broadway Shows” (2007), *Case Studies in Business, Industry and Government Statistics*, **1**, 1–14 (with L.M. Nygren).
76. “Risk and Economic Costs of a Terrorist Attack on the Electricity System” (2007), *The Economic Costs And Consequences of Terrorism*, ed. H.W. Richardson, P. Gordon, and J.E. Moore II, Edward Elgar Publishers, Cheltenham, UK, 273–290 (with R. Zimmerman, C.E. Restrepo, and L. Lave).

77. "Risk Management and Risk Analysis-Based Decision Tools for Attacks on Electric Power" (2007), *Risk Analysis*, **27**, 547–570 (with C.E. Restrepo and R. Zimmerman). Selected to be part of 2011 special issue of *Risk Analysis* on *Advances in Terrorism Risk Analysis*.
78. "Tobit Model Estimation and Sliced Inverse Regression" (2007), *Statistical Modelling*, **7**, 107–123 (with L. Li and C.-L. Tsai).
79. "Does Momentum Exist in a Baseball Game?" (2007), *Statistical Thinking in Sports*, ed. J. Albert and R.H. Koning, CRC Press, Boca Raton, FL, 135–151 (with R.J. Sela).
80. "Analysis of Electrical Power and Oil and Gas Pipeline Failures" (2008), *Critical Infrastructure Protection*, ed. E.D. Goetz and S. Sheno, Springer-Verlag, New York, 381–394 (with C.E. Restrepo, R. Zimmerman, and Z.S. Naphtali).
81. "Transportation Density and Opportunities for Expediting Recovery to Promote Security" (2009), *Journal of Applied Security Research*, **4**, 48–59 (with R. Zimmerman).
82. "Causes, Cost Consequences, and Risk Implications of Accidents in U.S. Hazardous Liquid Pipeline Infrastructure" (2009), *International Journal of Critical Infrastructure Protection*, **2**, 38–50 (with C.E. Restrepo and R. Zimmerman).
83. "Risk Management of Cost Consequences in Natural Gas Transmission and Distribution Infrastructures" (2010), *Journal of Loss Prevention in the Process Industries*, **23**, 269–279 (with C.E. Restrepo and R. Zimmerman).
84. "An Investigation of Missing Data Methods for Classification Trees Applied to Binary Response Data" (2010), *Journal of Machine Learning Research*, **11**, 131–170 (with Y. Ding).
85. "Model Selection in Regression Based on Presmoothing" (2010), *Journal of Applied Statistics*, **37**, 1455–1472 (with M. Aerts and N. Hens).
86. "The Age of Infrastructure in a Time of Security and Natural Hazards" (2010), *Aging Infrastructure: Issues, Research, and Technology*, Infrastructure and Geophysical Division of the Science and Technology Directorate, U.S. Department of Homeland Security, Washington, DC, 2.6–2.17 (with C.E. Restrepo and R. Zimmerman).
87. "Resource Allocation and Infrastructure Density around Vulnerable Sites" (2011), *Journal of Risk Research*, **15**, 597–613 (with C.E. Restrepo, R. Zimmerman, Z.S. Naphtali, and H.H. Willis).
88. "Color-Emotion Associations in the Pharmaceutical Industry: Understanding Universal and Local Themes" (2012), *Color Research and Application*, **37**, 59–71 (with A. Lechner and L. Harrington).
89. "Current Risk Management Issues for Hazardous Liquids and Natural Gas Pipeline Infrastructure" (2012), *Hydrocarbon World*, **6(2)**, 72–75 (with C.E. Restrepo and R. Zimmerman).
90. "RE-EM Trees: A Data Mining Approach for Longitudinal and Clustered Data" (2012), *Machine Learning*, **86**, 169–207 (with R.J. Sela).
91. "Exploring Innovative Entrepreneurship and Its Ties to Higher Educational Experiences" (2012), *Research in Higher Education*, **53**, 831–859 (with M.J. Mayhew, W.J. Baumol, B.M. Wiesenfeld, and M. Klein).
92. "Asthma Hospital Admissions and Ambient Air Pollutant Concentrations in New York City" (2012), *Journal of Environmental Protection*, **3**, 1102–1116 (with C.E. Restrepo, G.D. Thurston, and R. Zimmerman).
93. "Multilevel Modeling" (2013), *The SAGE Handbook of Multilevel Modeling*, ed. M.A. Scott, J.S. Simonoff, and B.D. Marx, Sage, London, xxv–xxxv (with M.A. Scott and B.D. Marx).
94. "Regression Tree-Based Diagnostics for Linear Multilevel Models" (2013), *Statistical Modelling*,

13, 459–480.

95. “Efficiency and Consistency for Regularization Parameter Selection in Penalized Regression: Asymptotics and Finite-Sample Corrections” (2014), *Journal of the American Statistical Association*, **109**, 1031–1043 (with C.J. Flynn and C.M. Hurvich).
96. “Nonwhite, No More: Effect Coding as an Alternative to Dummy Coding With Implications for Higher Education Researchers” (2015), *Journal of College Student Development*, **56**, 170–175 (with M.J. Mayhew).
97. “Effect Coding as a Mechanism for Improving the Accuracy of Analyzing Students Who Self-Identify with More than One Race” (2015), *Research in Higher Education*, **56**, 595–600 (with M.J. Mayhew).
98. “Unbiased Regression Trees for Longitudinal Data” (2015), *Computational Statistics and Data Analysis*, **88**, 53–74 (with W. Fu).
99. “Survival of Broadway Shows: An Empirical Investigation of Recent Trends” (2015), *Communications in Statistics—Case Studies, Data Analysis and Applications*, **1**, 114–124 (with N. Kulmatitskiy, L.M. Nygren, K. Nygren, and J. Cao).
100. “Cultivating Innovative Entrepreneurs for the 21st Century: A Study of U.S. and German Students” (2016), *Journal of Higher Education*, **87**, 420–455 (with M.J. Mayhew, W.J. Baumol, B.S. Selznick, and S.J. Vassallo).
101. “Deterioration of Performance of the Lasso With Many Predictors: Discussion of a Paper by Tutz and Gertheiss” (2016), *Statistical Modelling*, **16**, 212–216 (with C.J. Flynn and C.M. Hurvich).
102. “Survival Trees for Left-Truncated and Right-Censored Data, with Application to Time-Varying Covariate Data” (2017), *Biostatistics*, **18**, 352–369 (with W. Fu).
103. “On the Sensitivity of the Lasso to the Number of Predictor Variables” (2017), *Statistical Science*, **32**, 88–105 (with C.J. Flynn and C.M. Hurvich).
104. “Survival Trees for Interval-Censored Survival Data” (2017), *Statistics in Medicine*, **36**, 4831–4842 (with W. Fu).

PAPERS PRESENTED AT PROFESSIONAL MEETINGS

1. Contributed paper, Computer Science and Statistics: 14th Symposium on the Interface, Troy, New York, July 5–7, 1982 (manuscript in *Proceedings* 178–182).
2. Contributed paper, Joint Statistical Meetings, Cincinnati, Ohio, August 16–19, 1982 (manuscript in *Proceedings of the Statistical Computing Section* 180–183).
3. Contributed paper, Joint Statistical Meetings, Toronto, Ontario, Canada, August 15–18, 1983 (manuscript in *Proceedings of the Statistical Computing Section* 210–213).
4. Invited paper, Institute of Mathematical Statistics Regional Meeting, Orlando, Florida, March 12–14, 1984.
5. Contributed paper, Joint Statistical Meetings, Las Vegas, Nevada, August 5–8, 1985.
6. Contributed paper, Institute of Mathematical Statistics Regional Meeting, Atlanta, Georgia, March 17–19, 1986.
7. Contributed papers, Joint Statistical Meetings, Chicago, Illinois, August 18–21, 1986 (manuscript in *Proceedings of the Survey Research Methods Section* 382–387).

8. Contributed paper, Joint Statistical Meetings, San Francisco, California, August 17–20, 1987.
9. Invited paper, IMA Program on Robustness, Diagnostics, Computing and Graphics in Statistics, Minneapolis, Minnesota, July 10 – September 1, 1989.
10. Contributed paper, Joint Statistical Meetings, Washington, DC, August 6–10, 1989.
11. Contributed papers, Joint Statistical Meetings, Atlanta, Georgia, August 19–22, 1991 (manuscript in *Proceedings of the Statistical Graphics Section* 80–85).
12. Contributed papers, Joint Statistical Meetings, Boston, Massachusetts, August 10–13, 1992.
13. Invited paper, Eighth International Workshop on Statistical Modeling, Leuven, Belgium, July 5–9, 1993.
14. Contributed paper, Joint Statistical Meetings, Toronto, Ontario, Canada, August 14–18, 1994.
15. Invited and contributed papers, Joint Statistical Meetings, Chicago, Illinois, August 4–8, 1996 (manuscripts in *Proceedings of the Statistical Education Section*, 8–17 and 292–296, respectively).
16. Invited paper, 29th Symposium on the Interface of Computing Science and Statistics, Houston, Texas, May 15–17, 1997 (manuscript in *Proceedings* 509–518).
17. Contributed paper, Thirteenth International Workshop on Statistical Modeling, New Orleans, Louisiana, July 27–31, 1998 (manuscript in *Proceedings* 348–355).
18. Contributed paper, Joint Statistical Meetings, Dallas, Texas, August 9–13, 1998 (manuscript in *Proceedings of the Statistical Graphics Section*).
19. Invited paper, Laurence A. Baxter Memorial Lecture, Stony Brook, New York, April 20, 2001.
20. Contributed paper, Joint Statistical Meetings, Atlanta, Georgia, August 5–9, 2001 (manuscript in *Proceedings of the Business and Economic Statistics Section*).
21. Contributed paper, Joint Statistical Meetings, New York, New York, August 11–15, 2002.
22. Contributed paper, Joint Statistical Meetings, San Francisco, California, August 3–7, 2003.
23. Contributed paper, Joint Statistical Meetings, Toronto, Ontario, Canada, August 8–12, 2004.
24. Invited paper, Institute for Information Infrastructure Protection Consortium Meeting, New York, New York, June 16–17, 2005.
25. Contributed paper, Joint Statistical Meetings, Minneapolis, Minnesota, August 7–11, 2005.
26. Contributed paper, Joint Statistical Meetings, Seattle, Washington, August 6–10, 2006 (manuscript in *Proceedings of the Statistical Computing Section*, 2035–2042).
27. Contributed paper, Society for Risk Analysis Annual Meeting, Baltimore, Maryland, December 4–7, 2006.
28. Invited paper, Protect New York Conference on Protecting New York From Terrorism and Disaster, New York, New York, January 10–11, 2008.
29. Invited paper, Joint Statistical Meetings, Denver, Colorado, August 3–8, 2008.
30. Contributed papers, Joint Statistical Meetings, Washington, DC, August 2–6, 2009.
31. Invited paper, Third Stern-Wharton Conference on Statistics in Business, New York, NY, May 14, 2010.
32. Contributed paper, Conference on Nonparametric Statistics and Statistical Learning, Ohio State University, Columbus, OH, May 19–22, 2010.

33. Invited paper, The Fourth Erich L. Lehmann Symposium, Rice University, Houston, TX, May 9–12, 2011.
34. Contributed paper, Association for the Study of Higher Education Annual Meeting, Charlotte, NC, November 17–19, 2011.
35. Invited paper, ICSA Applied Statistics Symposium, Boston, MA, June 24–26, 2012.
36. Invited paper, National University of Singapore Workshop on Classification and Regression Trees, Singapore, March 20–24, 2014.
37. Contributed paper, Association for the Study of Higher Education Annual Meeting, Washington, DC, November 20–21, 2014.
38. Contributed paper, Thirtieth International Workshop on Statistical Modeling, Linz, Austria, July 6–10, 2015.
39. Contributed paper, Sixth Modern Modeling Methods (M³) Conference, Storrs, Connecticut, May 24–25, 2016.
40. Invited paper, ICSA Applied Statistics Symposium, Atlanta, Georgia, June 13–15, 2016.
41. Invited paper, Conference on Lifetime Data Science, Storrs, Connecticut, May 25–27, 2017.
42. Contributed paper, Thirty-second International Workshop on Statistical Modeling, Groningen, Netherlands, July 3–7, 2017.

UNIVERSITY HONORS

Professor of the Month (core courses), November 1991

Finalist, Stern School Professor of the Year, 1997

PROFESSIONAL SERVICE

Co-Editor, *Statistical Modelling: An International Journal*, 2006–Present

Member, Editorial Board, *Foundations and Trends in Econometrics*, 2005–Present

Member, Executive Committee, Statistical Modelling Society, 2007–2012

Associate Editor, *Statistical Modelling: An International Journal*, 2000–2006

Associate Editor, *Journal of the Royal Statistical Society, Series B*, 1998–2003

Member, Editorial Board, *Journal of Statistics Education*, 1998–2000

Member, Finance Committee, American Statistical Association, 1997–2003

ADDITIONAL PROFESSIONAL AFFILIATIONS

International Association for Statistical Education

Royal Statistical Society

Statistical Modelling Society