

VITA

Joan M. Donohue

Associate Professor of Management Science

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Research and Teaching Interests

Business statistics pedagogy
Statistical analysis of bidding data
Statistical modeling of bidding behavior

Education

Ph.D.	August 1988	Virginia Polytechnic Institute and State University Major: Management Science Minor: Statistics Dissertation Title: The Use of Correlated Simulation Experiments in Response Surface Optimization
M.B.A.	June 1984	Virginia Polytechnic Institute and State University Concentration: Management Science
B. S.	June 1979	University of Delaware Major: Chemical Engineering

Teaching Experience

Statistics for Business and Economics	MGSC 291	1989-2016
Simulation Methods in Business	MGSC 591	1991-2006
Probability and Statistics (MBA)	Xiamen University, China	2005
Operations Research (MBA)	Xiamen University, China	2005
Computer-based Decision Making	MGSC 394	2002
Management Science	MGSC 292	1991-1998
Computer Simulation (Ph.D)	MGSC 793	1990-1995
Statistical Methods (MBA)	MIBS 701	1988-1994
Quantitative Methods (MBA)	MGSC 694	1989-1992
Fundamental of Mathematics (MBA)	MGSC 498	1990-1991
Business Statistics I	MSCI 2401 at VA Tech	1986-1987
Business Statistics II	MSCI 2402 at VA Tech	1986-1987
Management Science	MSCI 3400 at VA Tech	1985

Industry Experience

DuPont Company, Martinsville, VA (1979-1982)

Process Engineer (10/1979 - 6/1981) Responsible for yield improvements, cost reductions, and engineering assistance in the production of continuous filament nylon fiber.

Project Management Engineer (6/1981 - 6/1982) Responsible for scheduling, planning, ordering materials, and coordinating construction projects with plant maintenance and contracting organizations.

Honors

- Recipient - 2005 Fulbright Lecturer award to teach M.B.A. students, Xiamen University, P.R.China
- Participant - 2000, 2003, 2007 Center for International Business and Educational Research Faculty Development Programs in South America, India, and Eastern Europe.
- Recipient - 1993, 1991 College of Business Administration Research Fellowship at the University of South Carolina.
- Honorable Mention - 1989 Decision Sciences Institute Doctoral Dissertation Competition, presented in New Orleans, LA.
- Recipient - 1987 Cunningham Dissertation Fellowship at Virginia Polytechnic Institute and State University.
- Participant - 1986 Decision Sciences Institute Doctoral Student Consortium, Honolulu, HW.
- Third Prize - 1985 Student Paper competition of the Southeast Chapter of the Institute of Management Sciences.
- Second Prize - 1985 Student Paper competition of the Southwest Virginia Chapter of the American Production and Inventory Control Society.

Publications in Refereed Journals

- Shang, G., Saladin, B. A., Fry, T. D., and Donohue, J. M. (2015). "Twenty-six Years of Operations Management Research (1985-2010)," *International Journal of Production Research*, 53(20), 6161-6197.
- Fry, T. D., Donohue, J. M., Saladin, B. A., and Shang, G. (2015) "The Internationalisation of Operations Management Research," *International Journal of Production Research*, 53(16), 4857-4887.
- Saladin, B. A., Shang, G., Fry, T. D., and Donohue, J. M. (2015). "Research Constituents and Authorship Patterns in the Production and Operations Management Journal." *Production and Operations Management*, 24(4), 523-534.
- Fry, T. D., and Donohue, J. M. (2014). "Exploring the Author Affiliation Index," *Scientometrics*, 98(3), 1647-1667.
- Fry, T. D., Donohue, J. M., Saladin, B. A., and Shang, G. (2013). "The Origins of Research and Patterns of Authorship in *IJPR*," *International Journal of Production Research*, 51 (23-24), 7470-7500.
- Powell, B. C., Donohue, J. M., Liang, X., and Fox, J. B. (2013). "Sales Growth of Chinese Private Owned Enterprises (POEs): An Exploratory Analysis," *Journal of Chinese Entrepreneurship*, 5 (2), 104-121.
- Fry, T. D., and Donohue, J. M. (2013) "Outlets for Operations Management Research: A DEA Assessment of Journal Quality and Rankings," *International Journal of Production Research*, 51 (23-24), 7501-7526.
- Fox, J. B., Donohue, J. M., Wu, J., and Dai, Q. (2010). "An Empirical Study of Land Reallocation Management and Peasant Loss of Lifetime Employment: Societal Unrest in China through the Lens of Organizational Justice Research," *International Journal of Sustainable Society*, 2(1), 50-69.

- Fox, J. B., Donohue, J. M., and Wu, J. (2008). "Competitive Advantage, Human Resource Strategy and the 2008 Olympics," *Human Resources Planning*, 31(1), 9-10.
- Fox, J. B., Donohue, J. M., and Wu, J. (2007). "An Application of a Human Resources Strategic Model to the 2008 Beijing Olympics: A Discussion of HR Goal Misalignment in Projects," *Journal of Change Management*, 7(2), 171-185.
- Fox, J. B., Donohue, J. M., and Wu, J. (2007). "Developing Workplace Monitoring Skills: An Application Among Factory Workers in China," *International Journal of Management*, 24(4), 688-696.
- Fox, J. B. and Donohue, J. M. (2005). "The Arbitration of Labor Disputes in China Today: Definition and Implications," *Employee Responsibilities and Rights Journal*, 17(1), 19-29.
- Fox, J. B. and Donohue, J. M. (2005). "Beyond the Image of Foreign Direct Investment in China: Where Ethics Meets Public Relations," *Journal of Business Ethics*, 56(4), 317-324.
- Fox, J. B. and Donohue, J. M. (2004). "When Changing from Merit Pay to Variable/Bonus Pay: What do Employees Want?" *Performance Improvement Quarterly*, 17(4), 5-17.
- Li, X. B., Sweigart, J. R., Teng, J. T., Donohue, J. M., Thombs, L. A., and Wang, M. (2003). "Multivariate Decision Trees Using Linear Discriminants and Tabu Search," *IEEE Transactions on, Systems, Man, and Cybernetics - Part A: Systems and Humans*, 33(2), 194-205.
- Li, X. B., Sweigart, J. R., Teng, J. T., Donohue, J. M., and Thombs, L. A. (2001). "A Dynamic Programming Based Pruning Method for Decision Trees," *InfORMS Journal on Computing*, 13(4), 332-344.
- Donohue, J. M., and Fox, J. B. (2000). "A Multi-method Evaluation of Journals in the Decision and Management Sciences by U.S. Academics," *Omega-International Journal of Management*, 28(1), 17-36.
- Donohue, J. M., Houck, E. C., and Myers, R. H. (1995). "Simulation Designs for the Estimation of Response Surface Gradients in the Presence of Model Misspecification," *Management Science*, 41(2), 244-262.
- Lubecke, T. H., Markland, R. E., Kwok, C. C. Y., and Donohue, J. M. (1995). "Forecasting Foreign Exchange Rates Using Objective Composite Models," *Management International Review*, 35(2), 135-152.
- Fox, J. B., Geyer, P. D., and Donohue, J. M. (1994). "An Investigation into Age and Pay Valence in a Production Field Setting," *Journal of Social Psychology*, 134(1), 79-88.
- Donohue, J. M., and Fox, J. B. (1993). "An Investigation into the People- Sequential Heuristic Method of Group Formation," *Decision Sciences*, 24(2), 493-508.
- Donohue, J. M., Houck, E. C., and Myers, R. H. (1993). "A Sequential Experimental Design Procedure for the Estimation of First- and Second-Order Simulation Metamodels," *ACM Transactions on Modeling and Computer Simulation*, 3(3), 190-224.
- Donohue, J. M., Houck, E. C., and Myers, R. H. (1993). "Simulation Designs and Correlation Induction for Reducing Second-Order Bias in First-Order Response Surfaces," *Operations Research*, 41(5), 880-902.
- Fox, J. B., Scott, K. D., and Donohue, J. M. (1993). "An Investigation into Pay Valence and Performance in a Pay-for-Performance Field Setting," *Journal of Organizational Behavior*, 14, 687-693.
- Malhotra, M. K., Fry, T. D., Kher, H. V., and Donohue, J. M. (1993). "The Impact of Learning and Labor Attrition on Worker Flexibility in Dual Resource Constrained Job Shops," *Decision Sciences*, 24(3), 641-663.

Donohue, J. M., Houck, E. C., and Myers, R. H. (1992). "Simulation Designs for Quadratic Response Surface Models in the Presence of Model Misspecification," *Management Science*, 38(12), 1765-1791.

Proceedings From Scholarly Meetings

Donohue, J. M., Whitcomb, K. M., Fry, T. D. (2016). "Bidding Strategies in Procurement Auctions with Information Asymmetries," *Proceedings of the 2016 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, Williamsburg, VA, 143.

Andrews, R. L., Donohue, J. M., Baker, H. M., Rishel, T., and Andrews, W. M. (2016). "What Should be Included in Business Statistics to Prepare Students for the World of Data-driven Analytics?" *Proceedings of the 2016 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, Williamsburg, VA, 313.

Andrews, R. L., Donohue, J. M., Hercher, R., and Stith-Willis, A. (2015). "Quantitative Instruction Topics," *Proceedings of the 2015 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, Savannah, GA.

Andrews, R. L., Donohue, J. M., Lowery, C. M., Miller, W. J., and Synder, R. (2014). "Methods and Content for Providing Better Statistics Instruction," *Proceedings of the 2014 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Wilmington, NC.

Donohue, J. M., Fry, T. D., Whitcomb, K. M. (2014). "A Study of Unbalanced Bidding in Construction Procurement Auctions," *Proceedings of the 2014 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Wilmington, NC.

Donohue, J. M. and Fry, T. D. (2013). "Categorizing OM-related Journals Using Citations," *Proceedings of the 2013 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Charleston, SC, 598-605.

Andrews, R. L., Donohue, J. M., Stine, R. A., and Lowery, C. M. (2013). "Exploring Ways to Ask Effective Questions and Engage Students," *Proceedings of the 2013 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Charleston, SC, 609-610.

Donohue, J. M. and Fry, T. D. (2012). "Top Journals for Publishing Operations Management Research: A Meta Analysis," *Proceedings of the 2012 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Columbia, SC, 886-888.

Andrews, R. L., Custer, S. W., Donohue, J. M., Nesterkin, D. A., Scarborough, N. M., Wray, B. A., and Badarinathi, R. (2012). "Suggested Innovations/Activities for Improving the Learning Environment," *Proceedings of the 2012 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Columbia, SC, 969-970.

Powell, B. C., Donohue, J. M., Fox, J. B., and Liang, X. (2011). "Factors Related to the Success of Entrepreneurs in China," *Proceedings of the 2011 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Savannah, GA, 396-397.

Andrews, W. M. and Donohue, J. M. (2011). "Are You Up to Functioning in the Cloud?" *Proceedings of the 2011 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Savannah, GA, 864-867.

Andrews, R. L., Donohue, J. M., Wray, B. A., Levine, D. M, and Badarinathi, R. (2011). "Tips for Statistics Instruction: Things that Have Worked or Not Worked," *Proceedings of the 2011 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Savannah, GA, 620-621.

- Dixon-Fowler, H. C., Fox, J. B., Donohue, J. M., and Liang, X. (2010). "Corporate Social Responsibility and Corporate Board Composition: A View from China," *Proceedings of the 2010 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. A. E. Avery, Myrtle Beach, SC, 260-262.
- Andrews, R. L. and Donohue, J. M. (2010). "Revising Business Statistics to Accommodate the Emergence of Business Analytics," *Proceedings of the 2010 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. A. E. Avery, Myrtle Beach, SC, 451-453.
- Powell, B. C., Donohue, J. M., Liang, X., and Fox, J. B. (2010). "Antecedents of Corporate Social Responsibility in China: An Exploratory Study," *Proceedings of the 2010 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Wilmington, NC, 415-417.
- Baker, H. M., Donohue, J. M., Kheirandish, R., and Correia, C. A. (2010), "Use of Technology Enabled Supplements such as Homework Managers to Enhance Statistics Instruction," *Proceedings of the 2010 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Wilmington, NC.
- Markham, I. S., Donohue, J. M., Aasheim, C. L., Andrews, W. M., and Baker, H. M. (2010). "Assessment of Technology Skills in Core Business Classes," *Proceedings of the 2010 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Wilmington, NC, 797-798.
- Powell, B. C., Liang, X., Donohue, J. M., and Fox, J. B. (2009). "Entrepreneurial Factors Affecting the Growth of Chinese-owned Private Companies in China," *Proceedings of the 2009 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. A. E. Avery, Myrtle Beach, SC, 587-588.
- Andrews, R. L., Donohue, J. M., Baker, H. M., and Kheirandish, R. (2009). "Forum on the Use of Automated Systems for Managing Homework, Testing and/or Tutoring in Quantitative Classes," *Proceedings of the 2009 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. A. E. Avery, Myrtle Beach, SC, 908-909.
- Andrews, R. L., Donohue, J. M., Price, B. A., and Keeling, K. B. (2009). "The Future of the Undergraduate Management Science Course: Curriculum and Content Issues," *Proceedings of the 2009 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Charleston, SC, 791.
- Keeling, K. B., Williams, J. A. S., Donohue, J. M., Ragsdale, C. T. and Harms, C. G. (2009). "Teaching Tricks for Quantitative Analysis: Control Charts, Sampling Distributions, Multiple Regression, and Time Series Analysis," *Proceedings of the 2009 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Charleston, SC, 792-793.
- Donohue, J. M., Fox, J. B., and Wu, J. (2008). "Does Procedural Justice Research Explain China's Civil Unrest?," *Proceedings of the 2008 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. A. E. Avery, Myrtle Beach, SC, 526-529.
- Liu, Y., Fox, J. B., and Donohue, J. M. (2007). "How Well Are Chinese Employees Coping With Work-Family Conflicts?," *Proceedings of the 2007 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. A. E. Avery, Myrtle Beach, SC, 606-608.
- Fox, J. B., Donohue, J. M., and Wu, J. (2007). "Labor Issues Surrounding the 2008 Beijing Olympics," *Proceedings of the 2007 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. A. E. Avery, Savannah, GA, 859-867.
- Fox, J. B., Donohue, J. M., and Wu, J. (2006). "The Global Impact of a Changing Labor Force in China," *Proceedings of the 2006 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. A. E. Avery, Myrtle Beach, SC, 510-512.

- Wray, B. A., Dave, D. S., Donohue, J. M., and Teets, J. M. (2006). "The Future of the Undergraduate Management Science Course: Curriculum and Content Issues," *Proceedings of the 2006 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. A. E. Avery, Myrtle Beach, SC, 810.
- Fox, J. B., Donohue, J. M., and Wu, J. (2006). "Adult Education Development for Factory Workers in China: Crucial for One, Crucial for All," *Proceedings of the Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. R. T. Barrett, Wilmington, NC, 606-611.
- Markham, I. S., Baker, H. M., Clayton, E., Donohue, J. M., McCart, C. D., and Wray, B. A. (2006). "Management Science in the Undergraduate Business Curriculum," *Proceedings of the Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. R. T. Barrett, Wilmington, NC, 797.
- Donohue, J. M. (2005). "Teaching Experiences in an MBA Program at a Chinese University," *Proceedings of the 2005 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. A. E. Avery, Myrtle Beach, SC, 240-242.
- Fox, J. B. and Donohue, J. M. (2004). "A Primer of Human Resources for China: 1+1=3," *Proceedings of the 2004 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. B. A. Wray, Myrtle Beach, SC, 587-592.
- Burns, R. B., Donohue, J. M., and Steele, D. C. (2004). "Using Simulation to Investigate the Impact of Alternative Lot Policies on a Manufacturing Process," *Proceedings of the Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. R. Platt, Charleston, SC, 186-188.
- Donohue, J. M. and Fox, J. B. (2004). "Beyond the Image of Asian Investment: Some Hidden Costs Inherent in Chinese FDI," *Proceedings of the Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. R. Platt, Charleston, SC, 136-138.
- Fox, J. B. and Donohue, J. M. (2004). "Quantitative Business Courses: Making them Fun with Problem Based Learning," *Proceedings of the Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. R. Platt, Charleston, SC, 201.
- Stahl, L., Herper, H., Hill, R. R., Harmonosky, C. M., Donohue, J. M., and Kelton, W. D. (2003). "Teaching the Classics of Simulation to Beginners," *Proceedings of the 2003 Winter Simulation Conference*, eds. S. Chick, P. J. Sanchez, D. Ferrin, and D. J. Morrice, New Orleans, LA, 1941-1951.
- Fox, J. B. and Donohue, J. M. (2003). "Evolving Problem Based Learning: Involving the Real World in PBL Applications," *Proceedings of the 2003 Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences*, ed. A. A. Nazemi, Myrtle Beach, SC, 842-843.
- Fox, J. B. and Donohue, J. M. (2003). "Investigating Employee Perceptions of Lump-Sum Bonus Payments Versus Permanent Base Pay Increases," *Proceedings of the Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. E. Omojokum, Williamsburg, VA, 131-133.
- Fox, J. B., and Donohue, J. M. (2001). "Napster Comes to Work for Us: How We Learned to Appreciate that Quasi-ethical Distribution System Our Students Love," *Proceedings of the 2001 Organizational Behavior Teaching Conference*, ed. K. Zimmerman, Harrisonburg, VA.
- Donohue, J. M. (2001). "Background to Brand Identification: A Case Study," *Proceedings of the 2001 International Applied Business Research Conference*, ed. R. C. Clute, Cancun, Mexico.
- Fox, J. B., and Donohue, J. M. (2001). "Factors Influencing Authors Publishing in Foreign Journals," *Proceedings of the 2001 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. V. R. Kannan, Charlotte, NC, 132-143.

- Fox, J. B., and Donohue, J. M. (1999). "A Preliminary Investigation into the Equivalence of Merit and Bonus Payments Under Conditions of Differing Income and Job Satisfaction Levels," *Proceedings of the 1999 Annual Meeting of the Southeast Region of the Decision Sciences Institute*, ed. R. L. Major, Savannah, GA, 199-201.
- Fox, J. B., and Donohue, J. M. (1998). "An Investigation into Student Perceptions of Sources for Project Data," *Proceedings of the 1998 International Conference on Improving University Teaching*, Dublin, Ireland, 389-398.
- Oberhelman, D. H., Whitcomb, K. M., and Donohue, J. M. (1998). "Type I Error Rates for Approximate Confidence Intervals for the Difference in Two Population Means when the Population Variances are Unequal," *Proceedings of the 1998 Annual Meeting of the Southeast Chapter of the Institute for Operations Research and the Management Sciences*, ed. D. S. Dave and T. H. Burwell, Myrtle Beach, SC, 452-454.
- Donohue, J. M. (1995). "The Use of Variance Reduction Techniques in the Estimation of Simulation Metamodels," *Proceedings of the 1995 Winter Simulation Conference*, eds. C. Alexopoulos, K. Kang, W. R. Lilegdon, and D. Goldsman, Arlington, VA, 194-200.
- Fox, J. B., and Donohue, J. M. (1995). "Perceived Quality Rankings of Management Science Journals," *Proceedings of the 1995 Annual Meeting of the Decision Sciences Institute*, ed. C. T. Ragsdale, Boston, MA, 1048.
- Donohue, J. M. (1994). "Experimental Designs for Simulation," *Proceedings of the 1994 Winter Simulation Conference*, eds. J. D. Tew, S. Manivarman, D. A. Sadowski, and A. F. Seila, Lake Buena Vista, FL, 200- 206.
- Fox, J. B., and Donohue, J. M. (1994). "Publishing Management Science Manuscripts: An Evaluation of Journal Quality," *Proceedings of the 1994 Annual Meeting of the Decision Sciences Institute*, eds. P. L. Perrewe and M. J. Showalter, Honolulu, HI, 1415.
- Donohue, J. M., Houck, E. C., and Myers, R. H. (1993). "The Estimation of Simulation Metamodels Using Correlated Replicates Versus Large Experimental Designs," *Proceedings of the 1993 Annual Meeting of the Decision Sciences Institute*, eds. D. F. Rogers and A. S. Raturi, Washington, DC, 1091.
- Fox, J. B., Geyer, P. D., and Donohue, J. M. (1993). "An Investigation into Age and Pay Valence in a Production Field Setting," *Proceedings of the 1993 Annual Meeting of the Southwest Division of the Academy of Management*, eds. K. A. Vaverek and M. A. Williams, New Orleans, LA, 18-21.
- Donohue, J. M., Houck, E. C., and Myers, R. H. (1992). "Sequential Experimental Designs for Simulation Metamodeling," *Proceedings of the 1992 Winter Simulation Conference*, eds. J. J. Swain, D. Goldsman, R. C. Crain, and J. R. Wilson, Arlington, VA, 539-547.
- Lubecke, T. H., Markland, R. E., Donohue, J. M., Kwok, C. C. Y., and Stephenson, J. A. (1992). "Forecasting Foreign Exchange Rates Using Objective Composite Models," *Proceedings of the 1992 Annual Meeting of the Decision Sciences Institute*, eds. R. T. Sumichrast and T. R. Rakes, San Francisco, CA, 1784-1785.
- Malhotra, M. K., Fry, T. D., Kher, H. V., and Donohue, J. M. (1992). "Acquisition of Worker Flexibility in Dual Resource Constrained Job Shops," *Proceedings of the 1992 Annual Meeting of the Decision Sciences Institute*, eds. R. T. Sumichrast and T. R. Rakes, San Francisco, CA, 1302-1304.
- Wolfe, G. A., Houck, E. S., Donohue, J. M., and Houck, E. C. (1992). "A Neural Network Model for the Prediction of Underwriter Participation in Initial Public Offerings," *Proceedings of the 1992 Annual Meeting of the Decision Sciences Institute*, eds. R. T. Sumichrast and T. R. Rakes, San Francisco, CA, 188.

- Fox, J. B., and Donohue, J. M. (1991). "An Investigation into the People- Sequential Heuristic Method of Assigning Students to Project Groups," *Proceedings of the 1991 Annual Meeting of the Decision Sciences Institute*, eds. S. A. Melnyk and R. Narasimhan, Miami Beach, FL, 467-469.
- Donohue, J. M., and Fox, J. B. (1990). "A Simulation Study for the Comparison of Variance Homogeneity Tests," *Proceedings of the Southeast Region of the Decision Sciences Institute*, eds. C. H. Smith and R. L. Andrews, Columbia, SC, 273-275.
- Donohue, J. M., and Fox, J. B. (1990). "An Extension, Evaluation, and Application of Moses' Multisample Dispersion Test," *Proceedings of the 1990 Annual Meeting of the Decision Sciences Institute*, eds. B. Whitten, J. Gilbert, and K. R. Davis, San Diego, CA, 230.
- Donohue, J. M., Houck, E. C., and Myers, R. H. (1990). "Some Optimal Simulation Designs for Estimating Quadratic Response Surface Functions," *Proceedings of the 1990 Winter Simulation Conference*, eds. O. Balci, R. P. Sadowski, and R. E. Nance, New Orleans, LA, 337-343.
- Houck, E. C., Myers, R. H., Donohue, J. M., and Panis, R. P. (1990). "A Sequential Design Procedure for Controlling Quadratic Bias in a Simulation Environment," *Proceedings of the 1990 Annual Meeting of the Decision Sciences Institute*, eds. B. Whitten, J. Gilbert, and K. R. Davis, San Diego, CA, 215.
- Donohue, J. M., Houck, E. C., and Myers, R. H. (1989). "The Design and Evaluation Of Second Order Correlated Simulation Experiments," *Proceedings of the 1989 Annual Meeting of the Decision Sciences Institute*, eds. A. K. Soni and V. A. Mabert, New Orleans, LA, 1132-1134.
- Fox, J. B., and Donohue, J. M. (1989). "A Nonparametric Method of Comparing Variances Among More Than Two Groups," *Proceedings of the Southeast Region of the Decision Sciences Institute*, eds. W. E. Hardy and J. Adrian, Charleston, SC, 263-265.
- Donohue, J. M., Houck, E. C., and Myers, R. H. (1988). "A Mean Squared Error Evaluation of Three Correlation Induction Strategies Useful in the Optimization of Simulation Models," *Proceedings of the 1988 Annual Meeting of the Decision Sciences Institute*, eds. E. C. Houck and B. W. Taylor, Las Vegas, NV, 154-156.
- Clayton, E. R., Houck, E. C., and Donohue, J. M. (1987). "Applications of GERT in Distribution Sampling," *Proceedings of the 17th Annual Meeting Southeast Region of the Decision Sciences Institute*, eds. B. Whitten and R. J. Fox, Richmond, VA, 197-199.
- Donohue, J. M. (1986). "The Use of Correlated Simulation Experiments in Response Surface Optimization," *Proceedings of the Fourth Annual Doctoral Consortium of the Decision Sciences Institute*, ed. F. Luthans, Honolulu, HI, 19-20.
- Tyagi, R., and Donohue, J. M. (1985). "A Computer-based Decision Support System for Allocation of Graduate Assistantships at a Major State University," *Proceedings of the 1985 Annual Meeting of the Southeast Chapter of the Institute of Management Sciences*, ed. R. D. J. Hammesfahr, Myrtle Beach, SC, 331-333.

Other Published Papers

- Donohue, J. M. (1995). "NETWK: Problem-solving Tool for Network and Enhanced Network Models," *OR/MS Today*, 22(6), 46-49.
- Donohue, J. M., Houck, E. C., and Myers, R. H. (1993). "Response Surface Designs for Simulation Meta-modeling," *The Institute of Management Sciences College on Simulation Newsletter*, 17(2), 4-6.

Unpublished Paper Presentations

- Andrews, R. L., Andrews, W. M., Donohue, J. M., Malliaris, M. E., Wang, P., and Zhang, W. (2016). "Open Discussion of Issues for Statistics Instruction," presented at the Annual meeting of the Decision Sciences Institute, Austin, TX.
- Donohue, J. M., Fry, T. D., Whitcomb, K. M., and Wooten, J. (2016). "An Experiment to Investigate the Effect of Asymmetric Information in Procurement Auctions," presented at the Annual meeting of the Decision Sciences Institute, Austin, TX.
- Donohue, J. M., Fry, T. D., and Whitcomb, K. M. (2015). "Bidding Strategies for Advantaged and Disadvantaged Bidders in Procurement Auctions," presented at the Annual meeting of the Decision Sciences Institute, Seattle, WA.
- Andrews, R. L., Evans, J. R., Stephan, D. F., and Donohue, J. M. (2015). "Experiences with a Variety of Technologies Design to Aid Instruction," presented at the Annual meeting of the Decision Sciences Institute, Seattle, WA.
- Donohue, J. M., Fry, T. D., and Whitcomb, K. M. (2014). "Unbalanced Bidding in Construction Procurement Auctions," presented at the Annual meeting of the Decision Sciences Institute, Tampa, FL.
- Keeling, K. A., Donohue, J. M., and Andrews, R. L. (2014). "Business Statistics Education: An Interactive Audience Participatory Unsession," presented at the Annual meeting of the Decision Sciences Institute, Tampa, FL.
- Donohue, J. M. and Fry, T. D. (2013). "Relatedness and Categorization of OM Journals," presented at the Annual meeting of the Decision Sciences Institute, Baltimore, MD.
- Donohue, J. M., Fry, T. D., and Shang, G. (2012). "An Institution-Weighted Author Affiliation Index for Ranking OM Journals," presented at the Annual meeting of the Decision Sciences Institute, San Francisco, CA.
- Donohue, J. M., Andrews, R. L., et.al. (2012). "Improve Your Class by Getting Out of the Box," presented at the Annual meeting of the Decision Sciences Institute, San Francisco, CA.
- Donohue, J. M., Fry, T. D., Saladin, B. A., and Shang, G. (2011). "Institutional and Individual Contributions to OM Research," presented at the Annual meeting of the Decision Sciences Institute, Boston, MA.
- Donohue, J. M. (1996). "An Evaluation of Experimental Design Plans for Simulation Metamodeling Studies," presented at the Fall meeting of the Institute for Operations Research and the Management Sciences, Atlanta, GA.
- Whitcomb, K. M., Oberhelman, D. H., and Donohue, J. M. (1996). "Evaluating the Impact of Outliers on Mean-shift Detection Performance of Short-run Process Control Charts," presented at the Fall meeting of the Institute for Operations Research and the Management Sciences, Atlanta, GA.
- Donohue, J. M. (1992). "Sequential Experimental Designs for the Estimation of First- and Second-Order Simulation Metamodels," presented to the South Carolina Student Chapter of the Institute for Operations Research and Management Science, Columbia, SC.
- Donohue, J. M. (1991). "Current Issues in Simulation Metamodeling," presented at the 1991 Winter Simulation Conference, Phoenix, AZ.
- Donohue, J. M. (1989). "Experimental Designs for Computer Simulation Studies," presented at the research colloquium of the Statistics department, Columbia, SC.

Donohue, J. M. (1988). "An Evaluation of the Use of Correlation Induction in the Optimization of Simulation Models," presented at the Fall meeting of The Institute for Operations Research and the Management Sciences, Denver, CO.

Research Currently in Progress

"How Bidder Expertise Effects the Outcomes of Common Value Auctions." We (Fry, Donohue, Whitcomb, Wooten) have developed an experiment to investigate how bidder experience affects bidding behavior in SCDOT procurement auctions. I have written a complex computer program using "Ztree" that allows for interactive on-line economic experiments to be performed. Kathy has submitted the experimental scenarios to eIRB for approval. We plan to run 8 experiments using about 200 MGSC 395 students during the Spring semester.

"An Analysis of Unbalanced Bidding in Procurement Auctions." We (Fry, Donohue, Whitcomb, Wooten) are analyzing data on the bidding contracts of SCDOT highway construction jobs in the state of South Carolina. We are looking into unbalanced bidding and its ramifications. We are trying to obtain more data from SCDOT. Currently our data includes only winning bidders but we would like to obtain the bids submitted by all bidders.

Professional Service

Professional Associations

DSI - Decision Sciences Institute

Professional Organization Committees

Southeast Decision Sciences Institute, VP Student Liaison, 2008-2016.
Informs Simulation Society Awards Committee, 2004-2008.
Decision Sciences Institute Program Committee, 1993-1994.
Decision Sciences Institute Innovative Education Committee, 1992-1993.
Decision Sciences Institute Doctoral Student Affairs Committee, 1988-1991.

Professional Conference Service

Student Paper Track Chair for the Annual Meeting of the Southeast Decision Sciences Institute, 2009-2016.
Vice President Student Liaison for the Southeast Decision Sciences Institute, 2008-2016.
Paper Discussant at the Annual Meeting of the Southeast Decision Sciences Institute, 2001, 2004, 2006-2016.
Local Arrangements Coordinator - Annual Meeting of the Southeast Decision Sciences Institute, 2012.
Student Paper Track Chair for the Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences, 2010.
Management Strategy & International Issues Track Chair for the Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences, 2009.
Management Strategy & International Issues Track Chair for the Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences, 2008.
Business Statistics Forum, Addison-Wesley, Hilton Head, SC, February 2008.
Information Technology, Expert Systems, AI and DSS Track Chair for the Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences, 2007.
Business Statistics Symposium, McGraw-Hill Irwin, Atlanta, GA, March 2007.
Educational Practice Track Chair for the Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences, 2006.
Quantitative Theory and Methods Track Chair for the Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences, 2005.
Statistics, Quantitative Methods, and Management Science Track Chair for the Annual Meeting of the Southeast Decision Sciences Institute, 2004.

Educational Innovation/Educational Practice Track Chair for the Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences, 2003.
 Assistant Program Chair for the Annual Meeting of the Southeast Decision Sciences Institute, 2002.
 Statistics and Management Science Track Chair for the Annual Meeting of the Southeast Decision Sciences Institute, 2001.
 Statistics, Decision Analysis, and Forecasting Track Chair for the Annual Meeting of the Decision Sciences Institute, 1995.
 Paper Discussant at the Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences, 2004-2007.
 Paper Discussant at the Annual Meeting of the Decision Sciences Institute, 1990-1995.
 Session Chair at the Winter Simulation Conference, 1992, 1994, 1995, 1997.
 Innovative Education Committee for the Decision Sciences Institute, 1992-94
 Doctoral Student Affairs Committee for the Decision Sciences Institute, 1989-91

Textbooks Reviewed

Business Statistics (compared 3 textbooks), Cengage, 2016.
Business Statistics, by Groebner, McGraw-Hill/Irwin, 2009, 2015.
BSTAT, by Robert R. Johnson and Patricia J. Kuby, Cengage Learning, 2009, 2014.
Business Statistics, by Donnelly, Addison-Wesley/Pearson, 2011, 2012, 2014.
Understanding Business Statistics, by Freed and Jones, John Wiley & Sons, 2011, 2012, 2013.
Business Statistics, by Sharpe, DeVeaux, Velleman, Pearson, 2007, 2008, 2009, 2012.
Essentials of Business Statistics, Bowerman, O'Connell, Orris, Murphree, McGraw-Hill, 2009, 2011.
Introductory Statistics for Business and Economics, Howard Gensler, Open College Textbooks, 2011.
Business Statistics: Communicating with Numbers, Kelly and Jaggia, McGraw-Hill 2011.
The Practice of Business Statistics, by Moore and McCabe, W. H. Freeman Inc., 2010.
Data Driven Decision Making, by Walton, John Wiley & Sons, 2009.
Spreadsheet Modeling & Decision Analysis, Ragsdale, Cengage Learning, 2009.
Data Driven Decision Making - Hypothesis Testing, by Walton, John Wiley & Sons, 2009.
Essentials of Business Statistics, by Sharpe, DeVeaux, Velleman, Addison-Wesley, 2009.
Visualizing Business Statistics, by Adams and Black, John Wiley & Sons, 2008.
Modern Business Statistics with Applications, by Devore and Carlton, South-Western, 2008.
Statistics for Managers Using Microsoft Excel, by Levine, Stephan, Krehbiel, and Bereson, Pearson, 2008.
Business Statistics: Data-Driven Decision Making, by Walton, Parzen, Juran, Wiley & Sons, 2006, 2008.
The Practice of Business Statistics, by Moore, McCabe, Duckworth, & Alwan, W. H. Freeman Inc., 2007.
Basic Business Statistics, by Stine and Foster, Addison-Wesley/Pearson, 2007.
Modern Business Statistics with Applications, by Devore and Carlton, Thomson Learning, 2006.
Business Statistics: A First Course, by Sharpe, DeVeaux, Velleman, and Block, Addison-Wesley, 2006.
The Art of Modeling with Spreadsheets, by Baker and Powell, John Wiley & Sons, 2006.
Basic Statistics for Business and Economics, by Lind, Marchal, and Walthen, McGraw-Hill/Irwin, 2006.
Essentials of Modern Business Statistics, by Anderson, Sweeney, and Williams, W. H. Freeman & Co., 2005.
Business Statistics, by Stine and Foster, Addison-Wesley, 2004.
Simulation Modeling and Analysis, by Law and Kelton, McGraw-Hill, 2003.
Basic Statistical Ideas for Managers, by Hildebrand and Ott, Duxbury Publishing, 2002.
Business Statistics by Example, by Sincich, Prentice-Hall, 1996.
A First Course in Business Statistics, by McClave, Benson, and Sincich, Prentice-Hall, 1996.
Complete Business Statistics, by Aczel, Irwin Publishers, 1993.
Elementary Business Statistics, by Freund, Williams, and Perles, Prentice-Hall, 1993.

Ad Hoc Manuscript Refereeing

European Journal of Operations Research, 1995-2008, 2010-2016.
Informations Transaction on Education, 2015-2016.
International Journal of Operations and Production Management, 2010, 2015.

Computer and Industrial Engineering, 2006-2010, 2013-2015.
Journal of Operations Management, 2010.
Omega, The International Journal of Management Science, 2003, 2004, 2010.
International Journal of Internet Marketing and Advertising, 2007.
Performance Evaluation, 2003, 2005.
International Journal of Service Industry Management, 2003.
IEEE Transactions on Systems, Man, and Cybernetics, Part B, 2002.
Transactions of the Society for Computer Simulation, 2002.
Decision Sciences, 1996, 1997, 1998, 2000, 2001.
Simulation, 1996, 1997, 1998, 2000.
Management Science, 1993, 1994, 1996, 1997, 1998.
American Journal of Mathematical and Management Sciences, 1996.
The American Statistician, 1994, 1996.
Operations Research, 1992, 1995.
Productions and Operations Management, 1994.
ACM Transactions on Modeling and Computer Simulation, 1992, 1993.

Ad Hoc Conference Reviewing

Annual Meeting of the Southeast Decision Sciences Institute, 1990-2016.
Annual Meeting of the Southeastern Chapter of the Institute for Operations Research and the Management Sciences, 2003-2011.
American Society of Mechanical Engineers International Design Automation Conference, 2004.
International Design Engineering Technical Conferences & Computers and Information in Engineering Conference, 2004.

University Service

University and College Committees

University Committee: Russell House University Union Advisory Board, 2016-2019.
Faculty Advisor to the Sigma Alpha Lambda National Leadership and Honors Organization, 2015-2017.
BA Assessment Task Force 2015-2017.
University Committee on Disabilities, 2014-2016.
University Committee on Admissions, 2011-2014.
University Committee on Academic Integrity, 2012.
University Committee on Academic Responsibility, 2007-2010.
BA Student Grievance Committee, 2009.
BA Service Learning Committee, 2008-2010.
BA representative for the university's Service Learning program, 2008-2009.
University Faculty Welfare Committee, 2004-2007.
BA Undergraduate Scholastic Standards and Petitions Committee, 2003-2006.
University Committee on Honorary Degrees, 2001-2004.
Director of the M.S.B.A. Program for Management Science, 1994-2001.
University Committee on Libraries, 1998-2001.
BA Student Academic Responsibility Committee, 1999-2001.
BA Library Committee, 1998-2001.
BA Undergraduate Admissions Committee, 1999-2000.
MGSC Invited Speaker Selection Committee, 1999-2000.
BA Ethics Committee for the Protection of Human Subjects, 1996-1999.
MGSC Tenure and Promotion Criteria Revision Committee, 1995-1996.
BA Student Grievance Committee, 1994-1997.
BA Faculty Advisory Council, 1993-1994.
BA Undergraduate Policy and Curricula Committee, 1992-1994.
BA Student Faculty Commission, 1990-1992.

MGSC Coordinator of core course BADM 292, 1990-1991.
BA Academic Policy and Advisory Committee, 1988-1990.

Faculty Development Activities

Participant – Cengage Business Educators Forum, Nashville, TN, March 2016.
Participant – McGraw-Hill Business Statistics Symposium, Chicago, IL, March 2012.
Participant – Pearson Business Statistics Symposium, Savannah, GA, February 2011.
Participant – McGraw-Hill Business Statistics Symposium, Chicago, IL, October 2009.
Workshop – Service Learning Course Development, Columbia, SC, September 2009.
Participant – Business Statistics Symposium by McGraw-Hill, Austin, TX, March 2009.
Attendee – SC Women in Higher Education Conference, Columbia, SC, March 2009.
Workshop – Service Learning Course Development, Columbia, SC, October, 2008.
Participant – Pearson/Addison-Wesley Business Statistics Forum, Hilton Head, SC, February 2008.
Participant – Business Statistics Forum by McGraw-Hill, Atlanta, GA, March 2007.

Ph.D. Student Dissertation Committees

Nancy Chalmers, 2011.
Xiaobai Li, 1999.
Mark McMurtrey, 1995.
Randy Reid, 1993.
Thomas Lubecke, 1992.

Ph.D. Student Advisory Committees

Lisa Baker, 1996-1998.
Xiaobai Li, 1996-1998.
Michael Wang, 1995-1997.
Michelle Heine, 1992-1994.
Al Segars, 1990-1992.
Jim Wilson, 1990-1991.