

## **JAMES J. COCHRAN**

Department of Information Systems, Statistics, and Management Science  
Culverhouse College of Business  
The University of Alabama  
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### **Education**

Doctor of Philosophy (Primary Area - Statistics; Support Areas - Operations Research & Mathematics)  
University of Cincinnati, Dec 1997 (Dissertation: *Statistical Characteristics of Coverage Optimization Based on Sample Data*, J.D. Camm and M.S. Levy, co-Advisors)

Master of Business Administration Degree (Concentration: Management Science), Wright State University, June 1986

Master of Science Degree (Social and Applied Economics), Wright State University, June 1984 (Thesis: *An Econometric Model to Explain Regional Variation in Sales for the Ponderosa Steakhouse Chain*, Stephen M. Renas, Advisor)

Bachelor of Science Degree in Business Administration (dual major in Economics and Marketing), Wright State University, Aug 1982

### **Professional Experience**

#### University of Alabama

- Associate Dean for Faculty & Research, Culverhouse College of Business (2022-2023)
- Associate Dean for Research, Culverhouse College of Business (2017-2022)
- Interim Department Head, Information Systems, Statistics and Management Science (2017)
- Research Associate, Institute for Data and Analytics (2016-present)
- Research Associate, Alabama Transportation Institute (2016-present)
- Professor of Applied Statistics (2014-present)
- Mike and Kathy Mouron Research Chair (2023-present)
- Rogers-Spivey Faculty Fellow (2014-2023)

#### Sri Lanka Institute of Information Technology

- Professor of Statistics, Department of Mathematics and Statistics – Honorary Appointment (2023-2026)

#### University College of London

- Visiting Faculty Fellow, Statistical Science Department (2023-present)

#### University of Namibia

- Visiting Scholar, School of Public Health (2019)

#### University of KwaZulu Natal

- Professor of Statistics, School of Mathematics, Statistics, & Computer Science – Honorary Appointment (2012-present)

#### University of Limpopo

- Professor of Statistics – Honorary Appointment (2017-present)

#### Louisiana Tech University

- Professor of Quantitative Analysis (2013-2014)
- Bank of Ruston, Barnes, Thompson, & Thurman Endowed Research Professor (2007-2014)
- Associate Professor of Quantitative Analysis (2006-2013)
- Assistant Professor of Quantitative Analysis (2000-2006)

#### Pôle Universitaire Léonard de Vinci

- Visiting Scholar, School of Engineering (2011, 2013)

Universidad de Talca

- Professor of Statistics, Department of Industrial Engineering (2007, 2009)

University of South Africa

- Visiting Scholar, Department of Decision Sciences (2006)

Stanford University

- Visiting Scholar, Department of Statistics (2002)

University of Cincinnati

- Visiting Assistant Professor of Quantitative Analysis (1997-1998, 1999-2000)
- Graduate Assistant (1993-1997)

Miami University

- Visiting Assistant Professor of Decision Sciences (1998-1999)

Drexel University

- Assistant Professor of Statistics (1997)

Independent Consultant (1991-Present)

SPAR\Burgoyne Research Inc.

- Director of Analytic Services Division (1987-1991)

Wright State University

- Instructor of Management Science (1984-1987)
- Adjunct Assistant Professor of Economics (1984)
- Graduate Research Assistant (1983-1984)

Ponderosa, Inc.

- Economic Analyst, Corporate Planning Department (1983)

## Research Interests

Statistical Learning/Data Mining	Computational Statistics	Marketing Applications
Sample-Based Mathematical Programming	General Linear Models	Sports Applications
Social & Economic Development	Quantitative Education	Medical Applications
Bayesian Mathematical Programming	Predictive Inference	Political Applications

## Refereed Publications

Gebregziabher, M., Cochran, J.J. (forthcoming). Conflict and Data: The Pivotal Role of Academia and Professional Associations. *Significance*.

Cochran, J.J. and Greenland, A. (forthcoming). Introduction: 2024 Daniel H. Wagner Prize for Excellence in the Practice of Advanced Analytics and Operations Research *INFORMS Journal on Applied Analytics*.

Cochran, J.J., Freeman, N.K., Yavuz, Y, and Newman, A. In Memoriam: Burcu Keskin, 1980–2024 (forthcoming). *INFORMS Journal on Applied Analytics*.

Cochran, J.J., Oancea, B, and Pirjol, D. Bounding the Basic Reproductive Number  $R_0$  from Exponential Growth Rates. *Journal of Biological Dynamics*, 18(1),

Cochran, J.J., Browning, W.J., Discenza, J.H., and Greenland, A. The Daniel H. Wagner Prize for Excellence in the Practice of Advanced Analytics and Operations Research: Introduction to the 2023 Competition and Some History on the Prize's 25th Anniversary. *INFORMS Journal on Applied Analytics*, 54(5), 393-403.

- Freeman, N.K., Bott, G.J., Keskin, B.B., and Cochran, J.J. (2023). The Fight Against Sex Trafficking. *Significance*, 20(6), 30–33.
- Lewis Jr, D.W., Freeman, N.K., Orgut, I.S., Tramp, R., Hudnall, M.C., Yang, X., English, T.M., Whitman, M.V., Samsel, S., Cochran, J.J., and Parton, J.M. (2023). Analytic Framework to Improve Access for a State Medicaid Agency. *INFORMS Journal on Applied Analytics*, 53(6), 390-407.
- Charles, V., Emrouznejad, A., Gherman, T., and Cochran, J.J. (2022). Why Data Analytics is an Art, *Significance*, 19(6), 42-45.
- Gebregziabher, M., Cochran, J.J. (2022). Statistics in a Civil War: The Case of the Tigray Health System, *Significance*, 19(4), 8-9.
- Gebregziabher, M., Amdeselassie, F., Esayas, R., Abebe, Z., Silvia, H., Teklehaimanot, A.A., Korte, J.E., Pearce, J.L., Cochran, J.J. (2022). Geographical Distribution of the Health Crisis of War in the Tigray Region of Ethiopia. *BMJ Global Health*, 2022(7), 1-11.
- Maposa, D., Seimela, A.M., Sigauke, C., and Cochran, J.J. (2021). Modelling Temperature Extremes in the Limpopo Province: Bivariate Time-Varying Threshold Excess Approach, *Natural Hazards*, 103(7), 2227-2246.
- Cochran, J.J. (2020). The US Economy: Trump or Trend? *Significance*, 17(6).
- Cochran, J.J. (2020). Pandemics and Exponential Growth, *Significance*, 17(3).
- Cochran, J.J. (2020). Why we need more Coronavirus Tests than we Think, *Significance*, 17(3).
- Kirtland III, J.A., Levy, M.S., Cochran, J.J., and Golnabi, S. (2020). Application of Finitized Power Series Distributions to Accelerated Variate Generation Part II: The Case of the Logarithmic Distribution, *International Transactions in Operational Research*, 27(2), 1121-1132.
- Levy, M.S., Cochran, J.J., Golnabi, S., and Kirtland III, J.A. (2019). Application of Finitized Power Series Distributions To Accelerate Variate Generation Part I: Two Useful Algorithms, *International Transactions in Operational Research*, 26(6), 2305–2323.
- Cochran, J.J. (2018). What is the *Bootstrap*? *Significance*, 15(6).
- Rossman, A. and Cochran, J.J. (2018). Interview with James J. Cochran, *Journal of Statistics Education*, 26(2), 149-159.
- Maposa, D., Cochran, J.J., and Lesaoana, M. (2017). Modelling Extreme Flood Heights in the Lower Limpopo River Basin of Mozambique Using a Time-Heterogeneous Generalised Pareto Distribution, *Statistics and Its Interface*, 10(1) (2017), 131-144.
- Maposa, D., Cochran, J.J., and Lesaoana, M. (2016) Modelling Nonstationary Annual Maximum Flood Heights in the Lower Limpopo River Basin of Mozambique, *Jàmbá: Journal of Disaster Risk Studies*, 8(1).
- Maposa, D., Cochran, J.J., and Lesaoana, M. (2016). Modelling Nonstationary Extremes in the Lower Limpopo River Basin of Mozambique, *Jàmbá: Journal of Disaster Risk Studies*, 8(1).
- Cochran, J.J. (2015) ASA Presidents and Executive Directors Look Back on their Terms in Office, *The American Statistician*, 69(2), 79-85.
- Cochran, J.J. (2015) The Demise of the Scientific Method in the Petabyte Age of Business. *Strategia*, July 2015.
- Cochran, J.J. (2015) Extending “Lego® My Simplex”, *INFORMS Transactions on Education*, 15(3), 224-231.
- Camm, J.D., Cochran, J.J., and Gorman, M.F. (2015) A Survey of the Use of *Interfaces* in Academia, *Interfaces*, 45(2), 187-195.

- Maposa, D., Cochran, J.J., Lesaoana, M. and Sigauke, C. (2014). Estimating High Quantiles of Extreme Flood Heights in the Lower Limpopo River Basin of Mozambique Using a Model Based Bayesian Approach, *Natural Hazards and Earth System Sciences*, 2, 5401-5425.
- Zeid, A.A. and Cochran, J.J. (2014). Understanding the Crisis in Somalia, *Significance*, 11(1).
- Maposa, D., Cochran, J.J., and Lesaoana, M. (2014) Investigating the Goodness-of-Fit of Ten Candidate Distributions and Estimating High Quantiles of Extreme Floods in the Lower Limpopo River Basin, Mozambique, *Journal of Statistics and Management Systems*, 17(3), 265-283.
- Cochran, J.J., Curry, D.J., Radhakrishnan, R., and Pinnell, J. (2014) Political Engineering: Optimizing a U.S. Presidential Candidate's Platform. *Annals of Operations Research*, 215(1): 63-87.
- Curry, D.J., Cochran, J.J., Radhakrishnan, R., and Pinnell, J. (2013) Hierarchical Bayesian Prediction Methods in Election Politics: Introduction and Major Test. *Journal of Political Marketing*, 12(4), 275-305.
- Cochran, J.J., Levy, M.S., and Golnabi, S. (2013) Matching the Finitized Poisson Distribution to the Matching Distributions. *Statistics and Probability Letters*, 83(6), 1484-1489.
- Brewer, L.M. and Cochran, J.J. (2013). August's Child is ...Favoured by Fortune! *Significance*, 10(3).
- Cochran, J.J. (2012). You Want Them to Remember? Then Make it Memorable! *European Journal of Operational Research*, 219(3): 659-670.
- Levy, M.S., Cochran, J.J., and Golnabi, S. (2012). A Moment Preserving Finitization Across the Power Series Family of Probability Distributions. *Communications in Statistics - Theory and Methods*, 41: 653-664.
- Cochran, J.J. and Curry, D.J. (2012). Frankenstein for President: Statistics and Operations Research come together to Create the Optimal Candidate for the U.S. Presidency. *Significance*, 9(5).
- Tallapally, P., Luehlfing, M.S., Johnson, G.H., Cochran, J.J., and Motha, M. (2012). Improving Correct Classification Rates in Bond Rating Studies. *International Journal of Business, Accounting, and Finance*, 6(1): 12-24.
- Bristow, D., Amyx, D.A., Castleberry, S.B., and Cochran, J.J. (2011). A Cross-Generational Comparison of Motivational Factors in a Sales Career Among Gen X and Gen Y College Students. *Journal of Personal Selling & Sales Management*, 31(1): 77-86.
- Tallapally, P., Luehlfing, M.S., Johnson, G.H., and Cochran, J.J. (2010). The Impact of Split Bond Ratings on Accounting Research Results - Some Additional Evidence and Some Preliminary Insights. *Academy of Accounting and Financial Studies Journal*, 14(3): 113-124.
- Cochran, J.J., Levy, M.S., and Camm, J.D. (2010). Bayesian Coverage Optimization Models. *Journal of Combinatorial Optimization*, 19(2): 158-173.
- Cochran, J.J. (2009). Pedagogy in Operations Research: Where have we been, where are we now, and where should we go? *ORiON*, 25(2): 161-184.
- Cochran, J.J. (2009). All Of Britain Must Be Stoned! An Effective Introductory Probability Case. *INFORMS Transactions on Education*, 10(2): 62-64.
- Golnabi, S., Levy, M.S., and Cochran, J.J. (2009). Finitizing Power Series Distributions. *Statistics and Probability Letters*, 79(17): 1829-1832.
- Cochran, J.J. and Blackstock, R.C. (2009). Pythagoras and the National Hockey League. *Journal of Quantitative Analysis in Sports*, 5(2).
- Cochran, J.J. (2008). A Commentary on *Polar Bear Population Forecasts: A Public-Policy Forecasting Audit*. *Interfaces*, 38(5): 396-400.

- Cochran, J.J. (2008). Operations Research and Sports: A Brief Overview. *StatOR*, 8(2).
- Cochran, J.J. (2008). The Optimal Value and Potential Alternatives of Bill James' Pythagorean Method of Baseball, *StatOR*, 8(2).
- Rangaswamy, A., Cochran, J.J., Erdem, T., Hauser, J.R., and Meyer, R.J. (2008). Editor-in-Chief Search Committee Report: The Digital Future is Here, *Marketing Science*, 27(1): 1-3.
- Lertwachara, K. and Cochran, J.J. (2007). Selecting Stocks Using Genetic Algorithms: A Case of Real Estate Investment Trusts, *International Journal of the Computer, the Internet, and Management*, 15(2): 20-31.
- Lertwachara, K. and Cochran, J.J. (2007). An Event Study of Economic Impact of Professional Sport Teams on Local Incomes, *Journal of Sports Economics*, 8(3): 169-197.
- Cochran, J.J., Darrat, A.F., and Elkhail, K. (2006). On the Bankruptcy of Internet Companies: An Empirical Inquiry, *Journal of Business Research*, 59(10-11): 1193-1200.
- Camm, J.D., Cochran, J.J., Curry, D.J., and Kannan, S. (2006). Conjoint Optimization: An Exact Branch-and-Bound Algorithm for the Share-of-Choices Problem, *Management Science*, 52(3): 435-447.
- Cochran, J.J. (2005). Can you *Really* Learn Basic Probability by Playing Sports Board Games? *The American Statistician*, 59(3): 266-272.
- Cochran, J.J. (2004). Bowie Kuhn's Worst Nightmare - An Integer Programming & Simpson's Paradox Case, *INFORMS Transactions on Education*, 5(1): 18-36.
- Cochran, J.J. (2002). Data Management, Exploratory Data Analysis, and Regression Analysis with 1969-2000 Major League Baseball Attendance Data, *The Journal of Statistics Education*, 10(2).
- Cochran, J.J. (2001). Who Wants To Be A Millionaire® - The Classroom Edition, *INFORMS Transactions on Education*, 1(3): 112-116.
- Cochran, J.J. (2000). Successful Use of Cases in Introductory Undergraduate Business College Operations Research Courses, *The Journal of the Operational Research Society*, 51(12): 1378-1385.
- Cochran, J.J. (2000). Career Records for All Modern Position Players Eligible for the Major League Baseball Hall of Fame, *The Journal of Statistics Education*, 8(2).
- Sorger, J.I., Kirk, P.G., Ruhnke, C.J., Bjornson, S.H., Levy, M.S., Cochran, J.J., and Tang, P. (1999). Once Daily, High Dose Versus Divided, Low Dose Gentamicin for Open Fractures, *Clinical Orthopaedics and Related Research*, 366: 197-204.
- Sorger, J.I., Federle, D., Kirk, P.G., Grood, E., Cochran, J.J., and Levy, M.S. (1997). The Posterior Cruciate Ligament in Total Knee Arthroplasty, *Journal of Arthroplasty*, 12(8): 869-879.

## Refereed Conference Proceedings

- J.J. Cochran (2017). Active Learning to Increase Comprehension and Retention of Applied Mathematics, *Proceedings of the 4th Conference of Mathematical Society of the Republic of Moldova*, Chişinău, Moldova.
- Maposa, D., Cochran, J.J., and Lesaoana, M. (2016). Construction of Flood Frequency Curves in the Lower Limpopo River Basin of Mozambique using Bayesian and Markov Chain Monte Carlo Methods, *Proceedings of the 60th International Statistical Institute (ISI) World Statistics Congress*, Rio de Janeiro, Brazil.
- Syler, R.A., Ellis, T.S., and Cochran, J.J. (2013). Exploring the use of Brain Games to Enhance Students' Problem Solving Skills, *Proceedings of the 2013 International Academy for Information Management Conference*, Milan, Italy.

Cochran, J.J. (2010). An International Quantitative Education Initiative and its Impact on Statistics Education, *Proceedings of the 2010 International Conference on Teaching Statistics*, Ljubljana, Slovenia.

Cochran, J.J. and Hendrickson, H.F. (1984). An Analysis of Consumer Attitudes Regarding the Credibility of Advertisements in Various Media, *S.E. TIMS 1984 Proceedings*, Myrtle Beach, SC.

## Books

Cochran, J.J. (2025). *Applied Multivariate Data Analysis: Volume I: Regression and Experimental Design*, 2e, Springer Nature

Cochran, J.J. (2025). *Applied Multivariate Data Analysis: Volume II: Categorical and Multivariate Methods*, 2e, Springer Nature

Camm, J.D., Cochran, J.J., Fry, M.J., and Ohlmann, J.W. (2026). *Business Analytics*, 6e, Cengage Learning.

Camm, J.D., Cochran, J.J., Fry, M.J., and Ohlmann, J.W. (2024). *Data Visualization: Exploring and Explaining with Data*, 2e, Cengage Learning.

Camm, J.D., Cochran, J.J., Fry, M.J., Ohlmann, J.W. Anderson, D.R., Sweeney, D.J., and Williams, T.A. (2024). *Modern Business Statistics*, 8e, Cengage Learning.

Camm, J.D., Cochran, J.J., Fry, M.J., Ohlmann, J.W. Anderson, D.R., Sweeney, D.J., and Williams, T.A. (2024). *Essentials of Modern Business Statistics*, 9e, Cengage Learning (also published in Korean).

Camm, J.D., Cochran, J.J., Fry, M.J., Ohlmann, J.W. Anderson, D.R., Sweeney, D.J., and Williams, T.A. (2023). *Statistics for Business and Economics*, 15e, Cengage Learning (also published in Spanish).

Camm, J.D., Cochran, J.J., Fry, M.J., Ohlmann, J.W. Anderson, D.R., Sweeney, D.J., and Williams, T.A. (2023). *Essentials of Statistics for Business and Economics*, 9e, Cengage Learning (also published in French and Mandarin).

Anderson, D.R., Sweeney, D.J., Williams, T.A., Camm, J.D., Cochran, J.J., Fry, M.J., and Ohlmann, J.W. (2019). *Management Science*, 15e, Cengage Learning (also published in Spanish and Mandarin).

Anderson, D.R., Sweeney, D.J., Williams, T.A., Camm, J.D., Cochran, J.J., Fry, M.J., and Ohlmann, J.W. (2016). *Quantitative Methods for Business*, 13e, Cengage Learning.

Stevenson, W., Van Ness, J., and Cochran, J.J. (1990). *A Study Guide to Accompany an Introduction to Management Science*, Irwin Publishers.

## Edited Volumes

Cochran, J.J., Albert, J., and Bennett, J. (in progress). *Oxford Anthology of Statistics in Sport, Volume 3: 2010–2014*, Oxford University Press.

Cochran, J.J., Albert, J., and Bennett, J. (in progress). *Oxford Anthology of Statistics in Sport, Volume 2: 2005–2009*, Oxford University Press.

Cochran, J.J., ed. (2019), *INFORMS Analytics Body of Knowledge*, Wiley.

Cochran, J.J., Albert, J., and Bennett, J. (2017). *Oxford Anthology of Statistics in Sport, Volume 1: 2000–2004*, Oxford University Press.

Cochran, J.J., Cox, A.L., Keskinocak, P., Kharoufeh, J.P, and Smith, J.C., eds. (2011). *Encyclopedia of Operations Research and Management Science*, Vols 1-8, Wiley-Blackwell.

Albert, J., Bennett, J., and Cochran, J.J. (2005). *Anthology of Statistics in Sports*, SIAM Publishing.

## Book Chapters, Sections, and Forwards

- Cochran, J.J. (forthcoming). Analysis of Covariance, *International Encyclopedia of Statistical Science* 2e, M. Lovric, Ed., Springer-Verlag.
- Cochran, J.J. (forthcoming). The Role of Statistics in Advancing Quantitative Education, *International Encyclopedia of Statistical Science* 2e, M. Lovric, ed., Springer-Verlag.
- Awe, O. Olawale, Jegede, Philip, and Cochran, J. J. (2022). A Comprehensive Tutorial on Factor Analysis with R: Empirical Insights from an Educational Perspective, *Promoting Statistical Practice and Collaboration in Developing Countries*, O. Olawale Awe, Kim Love and, Eric A. Vance (eds), Chapman and Hall/CRC.
- Cochran, J.J. (2022) Overview of Analytics, *Maynard's Industrial Engineering Handbook* 6e, McGraw-Hill.
- Cochran, J.J., (2021). Inclusive Leadership Across Cultures and Cultural Intelligence at Home, *Leadership and Statistics and Data Science*, A.L. Golbeck (ed), Springer Nature.
- Cochran, J.J. (2020) Biographical Entry on Bradley Efron, *Sage Research Methods Foundation Project – An Encyclopedia*, Sage.
- Cochran, J.J., (2020). Introduction to Analytical Methods in Sports, *Biomechanical Principles and Applications in Sports*, J. Pallis, J. McNitt-Gray, and G.K. Hung (eds), Springer Nature.
- Cochran, J.J., (2020). Applications of Analytical Methods in Sports, *Biomechanical Principles and Applications in Sports*, J. Pallis, J. McNitt-Gray, and G.K. Hung (eds), Springer Nature.
- Cochran, J.J., (2019). Writing and Teaching with Analytics Cases, *INFORMS Analytics Body of Knowledge*, J.J. Cochran (ed), Wiley.
- Maposa, D., Cochran, J.J., and Lesaoana, M. (2015). Comparative Analysis of Annual Maxima Time Series Models along the Lower Limpopo River Basin of Mozambique, *The Disaster Life Cycle: Case Studies from Six Continents*, A. Awotona (ed), 115-144.
- Cochran, J.J. (2013). Change Point Plots: A Graphical Method for Identifying Changes in the Distribution of a Random Variable over Time, *Contemporary Perspectives in Data Mining*, Ch 5, 61-72, K.D. Lawrence and R.K. Klimberg (eds), Information Age Publishing.
- Cochran, J.J. (2012). Preface to *Community-Based Operations Research: Decision Modeling for Local Impact and Diverse Populations*, M.P. Johnson, ed., Springer.
- Cochran, J.J. (2011). Linear Programming, *Encyclopedia of Operations Research and the Management Sciences*, Cochran, J.J., ed., 2011, Wiley.
- Smith, J.C. and Cochran, J.J. (2011). Introduction to Tabu Search, *Encyclopedia of Operations Research and the Management Sciences*, J.J. Cochran, ed., 2011, Wiley.
- Cochran, J.J. (2010). Analysis of Covariance, *International Encyclopedia of Statistical Science* 1e, M. Lovric, Ed., Springer-Verlag.
- Cochran, J.J. (2010). The Role of Statistics in Advancing Quantitative Education, *International Encyclopedia of Statistical Science* 1e, M. Lovric, ed., Springer-Verlag.
- Albert, J. and Cochran, J.J. (2008). The Use of Sports in Teaching Statistics, chapter 2 of *Sociology of Sport: Syllabi and Teaching Resources Volume 5<sup>th</sup> ed.*, K.C. Longest, ed.
- Cochran, J.J. (2005). Active Learning for Quantitative Courses, chapter 9 of *TutORials*, J.C. Smith, ed. 2005, INFORMS.



- Albert, J. and Cochran, J.J. (2005). The Use of Sports in Teaching Statistics, chapter 2 of *Anthology of Statistics in Sports*, J. Albert, J., Bennett, and J.J. Cochran, eds., 2005, SIAM Publishing.
- Albert, J. and Cochran, J.J. (2005). Introduction to the Baseball Articles, chapter 9 of *Anthology of Statistics in Sports*, J. Albert, J. Bennett, and J.J. Cochran, eds., 2005, SIAM Publishing.
- Cochran, J.J. (2005). Essay on Management Science, *Encyclopedia of Management* 5<sup>th</sup> ed., M.M. Helms, ed., Gale Group.
- Cochran, J.J. (2001) Overview of Analytics, *Maynard's Industrial Engineering Handbook* 5e, McGraw-Hill.

## Book Reviews

- Cochran, J.J. (2014). *Applied Operational Research with SAS*. A. Emrouznejad and W. Ho. *The American Statistician*, 68(3), 212-213.
- Cochran, J.J. (2014). *The Signal and the Noise: Why So Many Predictions Fail – but Some Don't*. N. Silver. *The American Statistician*, 68(2), 120-121.
- Cochran, J.J. (2012). *Sports Data Mining*, Schumaker, R.P., Solieman, O.K., and Chen, H. *INFORMS Journal on Computing*, 24(1): BR3-BR5.
- Cochran, J.J. (2009). *Testing 1-2-3: Experimental Design with Applications in Marketing and Service Operations*, J. Ledolter and A.J. Swersey. *The American Statistician*, 63(1): 98-99.
- Cochran, J.J. (2005). *The Numbers Game: Baseball's Lifelong Fascination with Statistics*, Alan Schwarz. *The American Statistician*, 59(2): 203-205.

## Other Publications

- Cochran, J.J. (2024) Wagner Prize Update, *INFORMS Practice Section Newsletter*, August.
- Cochran, J.J. (2024) Wagner Prize Update, *INFORMS Practice Section Newsletter*, April.
- Cochran, J.J. (2024) Wagner Prize Update, *INFORMS Practice Section Newsletter*, January.
- Cochran, J.J. (2023) Wagner Prize Update, *INFORMS Practice Section Newsletter*, October.
- Cochran, J.J. (2023) Wagner Prize Update, *INFORMS Practice Section Newsletter*, May.
- Cochran, J.J. (2022). Great Reasons to Write for the INFORMS Magazines, *ORMS Today*, 49(4), 12-13.
- Cochran, J.J. (2022). My Mom – Operations Researcher Extraordinaire!, *ORMS Today*, 49(3), 20-21.
- Cook, S.H., Thornton, S., Robinson, S.E., Cochran, J.J., and Yung, G. (2021). The JEDI Corner: Statistics for Equity: Capturing, Not Masking, Intersectional Dynamics in Data, *AMSTAT News*, Sept.
- Lewis Jr., D., Tramp, R., Tyner, T., Biligowda, N., Hudnall, M., Freeman, N., Orgut, I.S., Yang, X.T., English, T., Whitman, M., Samsel, S., Cochran, J.J., Cambron, B., Seetala, K., and Parton, J. (2021). Analytic Framework to Improve Access for a State Medicaid Agency, *Analytics*, <https://pubsonline.informs.org/doi/10.1287/LYTX.2021.05.20n/full>.
- Cochran, J.J. (2021). Why Would *Anybody* Devote Time to Professional Service? Chapter Chatter, Summer 2021.
- Cochran, J.J. (2021). My ASA Story, *AMSTAT News*, May.
- Cochran, J.J. and Beliën, J. (2021). The INFORMS Case Competition and the Case for Cases, *ORMS Today*, 48(2), 20-21.



- Cochran, J.J. (2020). Significance's COVID-19 Efforts, *International Statistical Literacy Project Newsletter*, 12(2), 38-39.
- Cochran, J.J. (2020). Workshop in Grenada, *International Statistical Literacy Project Newsletter*, 12(2), 25-27.
- Cochran, J.J. (2020). First Caribbean & Central American Workshop on Statistical Literacy (Dec 3, 2019), *IFORS News*, 15(4).
- Cochran, J.J. (2020). PARIS21 Project Receives Warm Caribbean Welcome, *AMSTAT News*, Nov.
- Cochran, J.J. (2020). PARIS21 Project Receives Warm Welcome in Caribbean: Buoyed by Success in Grenada, Teaching Team Makes Plans to take Statistics Literacy Workshops to Rest of Region and Beyond, *ORMS Today*, 47(4), 50-52.
- Cochran, J.J. (2020). Teaching Effectiveness Colloquium (TEC) for Statistics Educators in Mongolia, *International Statistical Literacy Project Newsletter*, 1(12).
- Cochran, J.J. and Farahat, A. (2020). The INFORMS Case Competition and Why We Need Analytics Teaching Cases, *ORMS Today*, 47(2).
- Cochran, J.J. (2019). 2019 INFORMS Case Competition, *ORMS Today*, 46(2).
- Cochran, J.J. (2018). Statistics Without Borders – An American Statistical Association Outreach Group, *Statistical Society of Australia Newsletter*, Nov.
- Cochran, J.J. (2018). Mongolia Outreach Leads to Nationwide High School Statistics Education, *The International Statistical Literacy Project (ISLP) Newsletter*, Sept.
- Cochran, J.J. (2018). Ambassadors and O.R. Education, *ORMS Today*, 45(4).
- Cochran, J.J. (2017). You, INFORMS and OR/MS Education, *ORMS Today*, 43(6).
- Cochran, J.J. (2017). ASA Leaders Reminisce: 1987 President Barbara Bailar, *AMSTAT News*, April.
- Cochran, J.J. (2017). ASA Leaders Reminisce: 2012 President Bob Rodriguez, *AMSTAT News*, Jan.
- Cochran, J.J. (2016). ASA Leaders Reminisce: 2009 President Sally Morton, *AMSTAT News*, Dec.
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- Cochran, J.J. (2010). The Emergence of Sports Analytics: From Baseball and Football to Basketball and Hockey, Analytics gets a Year-Round Workout in the Athletics Arena, *Analytics*, Jan/Feb.
- Cochran, J.J. (2009). Progress in the Use of Operations Research in Eastern Africa and the 5<sup>th</sup> International Operations Research Society of Eastern Africa Conference, *IFORS Newsletter*, 3(4).
- Cochran, J.J. (2009). Introducing Statistics Without Borders, *Statistical Consulting Section Newsletter*, Dec.
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- Cochran, J.J. (2006). 2006 - A Retrospective on a Big Year for OR Education Activities! *IFORS Newsletter*, 14(4).
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- Cochran, J.J. and Triantaphyllou, E. (2005). New Orleans Meeting: Ecologies, Economies, & OR, *ORMS Today*, 32(4).
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- Cochran, J.J. (2005). Big Time in the Big Easy, *ORMS Today*, 32(2).
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- Cochran, J.J. (2004). The State of Education in INFORMS, Issues in Education Column, *ORMS Today*, 31(5).
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- Cochran, J.J. (2001). Using Strat-O-Matic Baseball to Teach Basic Probability for Statistics, *American Statistical Association's Statistics in Sports Newsletter*, May.
- Cochran, J.J. (2001). Probability, Statistics, and 'Playing Games', Issues in Education Column, *ORMS Today*, 28(2).
- Cochran, J.J. (2001). A New Structure for INFORMS Colloquia, *ORMS Today*, 28(1).
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- Cochran, J.J. (1999). A New Pedagogical Initiative: INFORMS Teaching Effectiveness Colloquium, *ORMS Today*, 26(6).
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## Research under Review

- A Failure of Collective Science: The Case of the Relative Age Effect and Denying the Antecedent, *International Statistical Review* (with L.M. Brewer).
- The Role of Brain Games and Problem-solving Self-Efficacy in Problem-solving Skill Enhancement and Development in Beginning Programmers, *Information and Management* (with R.A. Syler)
- Statistical Characteristics of Coverage Optimization Based on a Sample Mean (with Z. Dong and M.S. Levy).
- Did the Humanitarian Community Deliver Adequate Aid to Somalis? A Survey on Health and Health-Related Status of Internally Displaced Population in South Central Somalia (with A.A. Zeid).
- Was Girardi Foolhardy? An Analysis of the Yankees' Decision to Pitch Sabbathia, Burnett, and Pettit on Three Days of Rest in the 2009 MLB World Series.
- The Biggest Upsets in the 64 Team Era of March Madness (with K.W. James).
- Do NBA Referees Give Stars Preferential Treatment? (with R. Blackstock and O. Gilley).
- Mathematical Programming and Reverse Engineering: Designing a Case from a Common Pantry Good.
- The Use of Scripting to make Students take Ownership of a Difficult Concept (with A. Darrat).
- Data Envelopment Analysis of the National Basketball Association: Which Franchise(s) to Contract?
- Classification Tree Analysis of MLB Hall of Fame Membership

## Professional Consulting

Organizations for which I have provided consulting services (either paid or *pro bono*) include:

UNESCO	CARE
Millennium Challenge Corporation	Mexican National Institute of Public Health
J. Walter Thompson	Engineers Without Borders
World Health Organization	World Toilet Organization
General Foods	Heinz
Gibson Greetings	Quaker
Texas Instruments	Friendly's Restaurants
Kenner Toys	Whittle Communications
Nabisco	Marriott
Global Rights	Statistics South Africa
Kroger Company	Teach For America
ESPN	Proctor & Gamble
BP Oil	Ralston-Purina
Africa Progress Panel	KickStart
Reuters	Real Sports with Bryant Gumbel

## Contracts, Funding, and Proposals

### External

Drug Data Research Center to Combat the Opioid Crisis Solicitation, Department of Justice, June 2022 (\$3,566,519)

The Partnership in Statistics for Development in the 21st Century, Dec 2019 (\$6,000)

INFORMS Board of Directors Grant, March 2019 (\$7,000)

INFORMS Speakers Bureau Travel Grant, 2018 (\$2,000)

IFORS Executive Board Grant, 2018 (\$2,500)

Mongolia NSO Travel, 2018 (\$1,000)

Lockheed Martin Basic Research Grant, Identification and Manipulation of Key Features for Decision Support, 2015 (\$206,483)

NSF Travel Grant to attend 2009 ISI Sessions, Aug 2009 (\$2,000)

Louisiana Board of Regents Support Fund, Traditional Enhancement, "Information Assurance Mobile Laboratories," May 2009 (\$79,625)

ALIO Developmental Grant, Jan 2008 (\$3,000)

EURO Executive Board Grant, April 2007 (\$2,500)

IFORS Executive Board Grant, 2007 - 2011 (\$5,000 annually)

ORPA Developmental Grant, Jan 2006 (\$3,000)

INFORMS Board of Directors Grant, 2007-2011 (\$5,000 annually)

Louisiana Board of Regents Travel Grant for Emerging Faculty, June 2006 (\$1,000)

IFORS Executive Board Grant, March 2006 (\$3,000)

ALIO Developmental Grant, Jan 2006 (\$3,000)  
INFORMS Board of Directors Grant, Nov 2005 (\$3,000)  
Louisiana Board of Regents Travel Grant for Emerging Faculty, Nov 2005 (\$1,000)  
Louisiana Board of Regents Travel Grant for Emerging Faculty, June 2005 (\$1,000)  
Louisiana Board of Regents Travel Grant for Emerging Faculty, Oct 2004 (\$1,000)  
Louisiana Board of Regents Travel Grant for Emerging Faculty Oct 2003 (\$1,000)  
Visiting Research Fellow Grant, Stanford University, Stanford CA, 2002 (\$8,000)  
NSF Travel Grant to attend Conference on Designs for Generalized Linear, April 2002 (\$400)  
Louisiana Board of Regents Travel Grant for Emerging Faculty, Nov 2001 (\$1,000)  
NSF Travel Grant to attend 2001 New Researchers' Conference, Atlanta GA July 2001 (\$500)  
Cincinnati Gas & Electric, Sample Design for Estimating the Impact of Retrofitting Energy Efficient  
Florescent Lighting at the University of Cincinnati, 1994 (\$3,000)  
Cincinnati Gas & Electric, Modeling Electrical Load in Commercial Buildings Employing Thermal Energy  
Storage Technology, 1994 (\$3,500)  
Gibson Greeting Cards, Geo-demographic Modeling of Sales: Comparisons with a Competitor, 1995  
(\$6,000)  
The Kroger Company, Analysis and Evaluation of Kroger's Forecasting and Order Determination  
System, 1995 (with M.S. Levy, D.J. Sweeney, D.F. Rogers, and D.J. Curry, \$36,000)

#### **Internal**

Program I Summer Research Award, The University of Alabama, May 2015 (\$30,000)  
Summer Research Award, Louisiana Tech University CAB, June 2008 (\$6,427)  
Summer Research Award, Louisiana Tech University CAB, June 2007 (\$5,192)  
Summer Faculty Research Grant, Louisiana Tech University, Ruston LA, June 2007 (\$1,362)  
Summer Research Award, Louisiana Tech University CAB, June 2006 (\$6,786.60)  
Summer Faculty Research Grant, Louisiana Tech University, Ruston LA, June 2006 (\$1,600)  
Summer Research Award, Louisiana Tech University CAB, June 2005 (\$2,577.51)  
Summer Faculty Research Grant, Louisiana Tech University, Ruston LA, June 2005 (\$856)  
Summer Faculty Research Grant, Louisiana Tech University Ruston, LA, June 2004 (\$864)  
Louisiana Tech University Center for Real Estate Studies, Nov 2003 (\$1,200)  
Summer Research Award, Louisiana Tech University CAB, June 2003 (\$5,000)  
Summer Faculty Research Grant, Louisiana Tech University, Ruston LA, June 2003 (\$1,000)  
Summer Research Award, Louisiana Tech University CAB, June 2002 (\$12,500)  
Summer Research Award, Louisiana Tech University CAB, June 2001 (\$2,500)  
Department of Orthopedic Surgery, UC College of Medicine, Analysis of Knee Replacement Data, April  
1995 (with M.S. Levy, P.G. Kirk, and J.I. Sorger \$750)

## Presentations

### Plenary and Keynote Presentations

The Basics of Political Engineering and the U.S. Presidential Elections, World Summit on Industrial and Manufacturing Engineering, Frankfurt Germany, September 2025

Being Clever in Problem Solving Oriented Academic Research, Emerging Trends in Economics, Culture and Humanities, Riga Latvia, April 2025

Cleverness: An Underappreciated Characteristic of the Academic Researcher, 5<sup>th</sup> African International IEOM Conference on Industrial Engineering & Operations Management, Pretoria South Africa, April 2024

Challenges in Data Collection and the Importance of Engagement with Statisticians, 4<sup>th</sup> SLIIT (Sri Lanka Institute of Information Technology) International Conference on Advancements of Sciences and Humanities (SICASH 2023), Colombo Sri Lanka, Dec 2023

A Sustainable, Environmentally Responsible Approach to Providing Applied Mathematics Education that Encourages Economic Development and Enhancement of Standards of Living, The 5<sup>th</sup> International Business Research and Industrial Conference, Nairobi Kenya (virtual), June 2023

Numeracy as an Integral Component of Literacy: Developing Numeracy Skills by Playing with Toys, 4<sup>th</sup> African International Conference on Industrial Engineering and Operations Management, Lusaka Zambia (virtual), April 2023

Building Numeracy by Playing with Toys, World Literacy Summit, Oxford United Kingdom, April 2023

Reengaging and Reenergizing your Students and their Instructor through Active Learning in the Modern Operations Research Classroom! 13<sup>th</sup> Triennial International Conference of the Association of Asia Pacific Operational Research Societies, Manilla Philippines, Nov 2022

OR Education for Developing Nations – Everybody Wins! 36<sup>th</sup> European Conference on Operational Research (EURO XXXVI), Espoo Finland, July 2022

So You Want To Design and Launch an MS Program in Analytics? 15<sup>th</sup> International Conference on Operations Research, Havana Cuba (virtual), May 2022

The Difficulties of Data Collection under Extreme Conditions: Demonstrating Why Data Matters, The 1<sup>st</sup> International Virtual Conference - Knowledge Solutions to Emerging Global Challenges, Nairobi Kenya (virtual), May 2022

Inclusive Leadership Across Cultures, The Leadership Summit 2022, Tampa FL (virtual), April 2022

A Big Data Taxonomy: Helping the General Public Understand, Chilean Congress of Operations Antecedent: A Failure of Collective Science, International Conference on Emerging Trends in Mathematical Sciences & Computing, Kolkata India (virtual), Feb 2022

Challenges in Data Collection as Impediments to Healthcare Delivery: Similarities between Recognized Priority Public Health Agenda Issues and War, DPHS Global Symposium, Charleston SC, Feb 2022

The Difficulties of Data Collection under Extreme Conditions, 2<sup>nd</sup> Sri Lanka Institute of Information Technology International Conference on Advancements of Sciences and Humanities (SICASH 2021), Malabe Sri Lanka (virtual), Dec 2021

The Change Point Plot: A Graphical Method for Identifying Changes in the Distribution of a Random Variable, 8<sup>th</sup> International Workshop on Advanced Analytics and Data Science, Warsaw Poland (virtual), Sept 2021



Turning a Downturn into an Opportunity - Business Resilience and Sustainability in the Face of Economic Recessions and Pandemics, 3<sup>rd</sup> Graduate Hub International Conference, Nairobi Kenya (virtual), Aug 2021

The Importance of Reliable Official Statistics to Sustainable Development, 2<sup>nd</sup> Graduate Hub International Conference, Nairobi Kenya (virtual), May 2021

The Difficulties of Data Collection under Extreme Conditions: Demonstrating Why Data Matters, 1<sup>st</sup> Graduate Hub International Conference, Nairobi Kenya (virtual), Nov 2020

The Effective Faculty Mentorship Ecosystem, INFORMS Early Career Teachers' Network Workshop, National Harbor MD (virtual), Nov 2020

A Failure of Collective Science: The Case of the Relative Age Effect and Denying the Antecedent, 3<sup>rd</sup> International Statistical Conference in Croatia (ISCCRO'20), Zagreb Croatia (virtual), Oct 2020

Frankenstein for President? 2020 Virtual INFORMS Regional Analytics Conference, Chicago IL (virtual), Sept 2020

Beyond Formulas: A Statistical World View, The National Institute for Computer-Assisted Reporting Conference, New Orleans LA, March 2020

How Analytics Could Have Changed the Outcome of the 2016 U.S. Presidential Election, 44<sup>th</sup> International Conference on Applications of Mathematics in Engineering and Economics, Sozopol Bulgaria, June 2019

How Analytics Fits into the Wide World of SpORts, 2018 INFORMS Regional Analytics Conference, Seattle WA, Sept 2018

How to Discuss Big Data Intelligently in an Introductory Statistics Class, The 11<sup>th</sup> Triennial Conference of the Association of Asia Pacific Operational Research Societies, Kathmandu Nepal, Aug 2018

Are  $p$ -Values the Problem? The 2018 International Conference of the African Federation of Operational Research Societies, Tunis Tunisia, July 2018

The *INFORMS Analytics Body of Knowledge* and the Importance of Collaboration Between Practitioners and Academicians to Analytics, 2018 INFORMS Conference on Business Analytics & Operations Research, Baltimore MD, April 2018

Statistics and the Importance of Collective Science, 4<sup>th</sup> Conference of Mathematical Society of the Republic of Moldova, Chişinău Moldova, June 2017

Active Learning in the Analytics Research Classroom: Reengaging and Reenergizing your Students *and their Instructor!* 31<sup>st</sup> Conference of the Belgian Operational Research Society, Brussels Belgium, Feb 2017

Data Collection When Faced with Corporate Criminals, Terrorists, and Mother Nature, 2016 Summer Research Conference of the Southern Regional Council on Statistics, Bentonville AR, June 2016

Optimal Covering & the Simple Product Design Problem, Conference on Applied Statistics: Teaching, Research, and Business Innovation, Ulaanbaatar Mongolia, May 2016

The Importance of Collective Science, 12<sup>th</sup> International Conference on Operations Research, Havana Cuba, March 2016

Analytics and Product Design, University of Alabama Business Analytics Symposium, Tuscaloosa AL, Oct 2015

The Education Generation Gap: Confronting and Embracing the Challenges that Growing Computing Power and New Technology Present to Applied Mathematics Education, 11<sup>th</sup> International Workshop on Operations Research, Havana Cuba, March 2015

How are Analytics and Operations Research Related? 15<sup>th</sup> International Conference on Operational Research KOI 2014, Osijek Croatia, Sept 2014

An Alternative Test for the Relative Age Effect (RAE) and Ramifications for Developing Nations, 7<sup>th</sup> Annual Conference of the Operational Research Society of Nepal, Bharatpur Nepal, Feb 2014

Statistics 2013 Honorary Plenary Speaker: Celebrating the International Year of Statistics and Considering Statistics' Role in the Analytics World, South African Statistical Association Conference 2013, Limpopo South Africa, Nov 2013

Why OR? The Relevance of Operations Research to Mathematicians Practicing in Western Africa, 3<sup>rd</sup> Buea Conference on Mathematical Sciences, Buea Cameroon, April 2013

Active Learning to Engage Students in Applied Mathematics, 3<sup>rd</sup> Buea Conference on Mathematical Sciences, Buea Cameroon, April 2013

Making High School Mathematics Engaging, Louisiana Association of Teachers of Mathematics/ Louisiana Science Teachers Association (LATM/LSTA) Joint Conference, Shreveport LA, Nov, 2012

Engaging High School Students in Mathematics, Beyond AP Statistics Workshop, San Diego CA, Aug, 2012

Mathematics for the Benefit of Society, 17<sup>th</sup> International Conference on Mathematical Modeling and Analysis, Tallinn Estonia, June, 2012

Using Active Learning Exercises to Attract and Retain Students in Applied Mathematics, 7<sup>th</sup> International Operations Research of Eastern Africa (ORSEA) Conference, Nairobi Kenya, Oct 2011

Finding Great Cases and Active Learning Exercises in Odd Places, 43<sup>rd</sup> Simpósio Brasileiro de Pesquisa Operacional, The Brazilian Society of Operations Research (SOBRAPO), Ubatuba Brazil, Aug 2011

Making Statistics Work for Society, 1<sup>st</sup> International Conference for Health Statistics in the Pacific Islands (ICHSPI-2011), Suva Fiji, July 2011

Operations Research – A Key to Unlocking Africa's Great Potential, Operations Research Society of South Africa (ORSSA) Conference, Polokwane South Africa, Sept 2010

You want them to Remember? Then Make it Memorable! 24<sup>th</sup> European Conference on Operational Research (EURO XXIV), Lisbon Portugal, July 2010

Working on Problems Faced by Developing Nations: Stories from the Front Line, EURO ORD Workshop on OR for Developing Countries - Young Researchers and PhD Symposium, Lisbon Portugal, July 2010

Some Epiphanies on OR Education, Joint Latin-Ibero-American Biannual Conference on Operations Research (XIV CLAIO)/INFORMS Conference, Buenos Aires Argentina, June 2010

Developing Cases for the Quantitative Classroom: Examples and Advice, 1<sup>st</sup> APORS/INFORMS/IFORS/EURO Joint Teaching Effectiveness Colloquium, 8<sup>th</sup> Triennial Meeting of the Association of Asia-Pacific Operational Research Societies, Jaipur India, Dec 2009

Fostering Effective Operations Research Education through Active Learning, 1<sup>st</sup> APORS/INFORMS/IFORS/EURO Joint Teaching Effectiveness Colloquium, 8<sup>th</sup> Triennial Meeting of the Association of Asia-Pacific Operational Research Societies, Jaipur India, Dec 2009

Fostering Effective Cooperative Cross-Cultural Efforts in Operations Research and Statistics through Undergraduate Education, the 5<sup>th</sup> International Operations Research of Eastern Africa Conference, Dar es Salaam Tanzania, July 2009

The Optimal Value Bill James' Pythagorean Method for the National Hockey League, Northern California Symposium on Statistics and Operations Research in Sports, Oakland CA, Oct 2008 (with Rob Blackstock)

Fostering Effective Cooperative Cross-Cultural Efforts in Operations Research and Statistics through Undergraduate Education, ORPA 2008 Conference, Washington D.C, Oct 2008

Projects and Cases for Community Service-Based Education - Getting Students out of their Seats and into *the Bona Fide* Real World, Latin-Ibero-American Biannual Conference on Operations Research (XIV CLAIO), Cartagena de Indias Colombia, Sept 2008

It's a Nice Hobby, but... (Making the Transition from using Sports to Teach Statistics to using Statistics to Teach Sports), American Statistical Association Significant Contributor to Statistics in Sports Award Luncheon, Joint Statistical Meetings, Denver CO, Aug 2008

Innovative Efforts and Initiatives in OR & Statistics Education, United States National Commission on Mathematical Instruction, NCTM Annual Conference, Salt Lake City UT, April 2008

Ennoblization through Mobilization: Establishing a Preeminent Societal Position for Operational Research, Operational Research Practice in Africa (ORPA)/Operations Research Society of South Africa (ORSSA) Conference, Cape Town South Africa, Sept 2007

Using Active Learning to Engage Students in Applied Mathematics (Operations Research, Probability, and Statistics) and Demonstrate Basic Concepts in Algebra and Geometry, Teach for America 2007 Math-Science Content Seminar, New York NY, Aug 2007

Confessions of an Optimistic Cynic: Using Active Learning to Increase Comprehension and Retention in the Quantitative Classroom, Latin-Ibero-American Biannual Conference on Operations Research (XIII CLAIO), Montevideo Uruguay, Nov 2006

Statistics and Optimization: Their Illicit Relationship, the Operations Research Society of South Africa (ORSSA) Annual Conference, Pietermaritzburg South Africa, Sept 2006

Stochastic Coverage Optimization, Bayesian Applications and Methods in Marketing Conference, Columbus OH, Nov 2000 (with Martin S. Levy)

#### **Seminar Series Invited Presentations**

Recursive Partitioning and MLB HOF Elections – Who Gets In, Who Doesn't, And Why, Computer Science Department, University of Texas at Tyler, Tyler TX, February 2025

How to use Mathematics to Build a Candidate for the U.S. Presidency, National University of Science and Technology, Bulawayo Zimbabwe, April 2024

The importance of in Scientific Research, National University of Science and Technology, Bulawayo Zimbabwe, April 2024

I Want to do Something Interesting! INFORMS Student Chapter at Georgia Southern University, Statesboro GA, Aug 2023

A Failure of Collective Science: The Case of the Relative Age Effect and Denying the Antecedent, Department of Public Health Sciences Seminar, Medical University of South Carolina, Charleston SC, Sept 2021

A Failure of Collective Science: The Case of the Relative Age Effect and Denying the Antecedent, Department of Computer Science and Systems Engineering Seminar, Wrocław University of Technology, Wrocław Poland (virtual), Sept 2021

Pythagoras and Sports, University of Georgia Student Chapter of the ASA, Athens GA (virtual), April 2021

A Big Data Framework, University of Namibia, Windhoek Namibia, Oct 2018

Controversies in Contemporary Statistics: Developing a Big Data Framework, Reassessing the Utility of  $p$ -Values, and Addressing Failures in Collective Science, Public Lecture, University of Limpopo, Oct 2018

The Relative Age Effect and Failures in Collective Science, Distinguished CSC/ILIAS Lecture Series, Department of Mathematics and Statistics, Interdisciplinary Laboratory for Intelligent and Adaptive Systems, University of Luxembourg, Esch-sur-Alzette Luxembourg, Jan 2017

The Importance of Collective Science: The Curious Case of the Relative Age Effect, Department of Mathematics and Statistics, OSP Distinguished Research Seminar, Missouri University of Science and Technology, Rolla MO, April 2016

The Difficulties of Data Collection under Extreme Conditions, OSP Distinguished Research Seminar, Missouri University of Science and Technology, Rolla MO, April 2016

The Importance of Collective Science: The Curious Case of the Relative Age Effect, Department of Operations, Business Analytics and Information Systems Seminar, University of Cincinnati, Cincinnati OH, April 2016

The Difficulties of Data Collection under Extreme Conditions, Cincinnati Chapter of the ASA, Cincinnati OH, April 2016

Decision Analysis in the Major League Baseball World Series, Aalto-yliopisto, Helsinki Finland, June 2012

The Wide WORLD of SpORts, INFORMS Rocky Mountain Chapter, Denver CO, May 2011

The Unexplored and Potentially Fruitful Relationship Between OR and Statistics, University of Limpopo, Polokwane South Africa Sept 2010

From Pretzel Rods to Frankenstein for President to Taxi Wars: One Odd OR Odyssey, INFORMS Dallas/Ft. Worth Chapter, Dallas TX, March 2010

On the Optimal Product Design Problem, American Airlines, Dallas TX, March 2010

Sample-Based Optimization: What, Why, and How? Department of Information Systems, Statistics, and Management Science, University of Alabama, Tuscaloosa AL, Nov 2008

Engaging Students in the Analytic Classroom to Increase Understanding and Retention, Department of Information Systems, Statistics, and Management Science, University of Alabama, Tuscaloosa AL, Nov 2008

Maximal Covering, Product Design, and Political Platforms, the Council for Scientific and Industrial Research in South Africa, Pretoria South Africa, July 2008

Sample-Based Optimization - The Ongoing Development of my Primary Research Track (...and where it has taken me), INFORMS Louisiana Tech University Student Chapter, Ruston LA, April 2008

Sample-Based Optimization - Theory & Methods, Universidad de Talca, Chile, Nov 2007 (Curicó campus), Dec 2007 (Talca campus)

Sample-Based Optimization - Examples from Marketing & Political Science, Universidad de Talca, Chile, Nov 2007 (Curicó campus), Dec 2007 (Talca campus and Santiago campus)

Active Learning, Cases, and Projects - An Integrated Pedagogical Approach to Fostering Student Interest, Comprehension, Retention, and Application of Operations Research (Parts I & II), Universidad de Talca, Chile, Nov 2007 (Curicó campus), Dec 2007 (Talca campus)

Sports and the Quantitative Sciences, Universidad de Talca, Chile, Nov 2007 (Curicó campus), Dec 2007 (Talca campus)

Establishing and Organizing an International Education Initiative for Operations Research & Statistics, 1<sup>st</sup> International Education and Research Symposium, Louisiana Tech University, Ruston LA, Oct 2007

Guidelines for Using Active Learning to Increase Comprehension and Retention, INFORMS Louisiana Tech University Student Chapter, Ruston LA, Jan 2007

Political Engineering and U.S. Presidential Elections, Monash University (South Africa campus), Johannesburg South Africa, Aug 2006

On the Optimal Product Design Problem, University of South Africa School of Economic Sciences, Pretoria South Africa, Aug 2006

A Bayesian Framework for Sample-Based Combinatorial Optimization, University of South Africa School of Economic Sciences, Pretoria South Africa, Aug 2006

Sample-Based Mathematical Programming: Theory, Methods, and Applications, University of Texas College of Engineering, Austin TX, April 2006

Political Engineering: Optimal Political Platform Design and the 2004 US Presidential Election, University of Cincinnati Quantitative Analysis & Operations Management Department, Cincinnati OH, April 2006

Conjoint Optimization: An Exact Branch-and-Bound Algorithm for the Share-of-Choices Problem, Louisiana Tech University Economics Research and Policy Forum, Ruston LA, May 2003 (with J.D. Camm, D.J. Curry, and S. Kannan)

Statistical Characteristics of Sample-Based Coverage Optimization, Stanford Statistics Seminar Series, Stanford CA, June 2002

Using 'Who Wants to be a Millionaire®' to Stimulate Interest & Learning in the Classroom, Louisiana Tech University Brown Bag Lunch Series, Ruston LA, Oct 2001

Information Technology in the Classroom at Louisiana Tech's College of Business and Administration, College of Business and Administration Advisory Board Meeting, Ruston LA, Oct 2001

The Bias in Sample Based Coverage Optimization, University of North Florida Department of Mathematics & Statistics Colloquia Series, Jacksonville FL, Feb 2000

### **Conference Invited and Sponsored Presentations**

Katherine Wallman's Impact on Statistics Education, Joint Statistical Meetings, Nashville TN, Aug 2025

Inclusive Leadership Across Cultures and Cultural Intelligence at Home, 63<sup>rd</sup> ISI World Statistics Congress, The Hague The Netherlands, July 2025

Conflict and Data: The Pivotal Role of Academia and Professional Associations, Joint Statistical Meetings, Portland OR, Aug 2024 (with Mulugeta Gebregziabher)

Building Numeracy by Playing with Toys, INFORMS National Meeting, Phoenix AZ, Oct 2023

ITOR & Me, INFORMS National Meeting, Phoenix AZ, Oct 2023

The Optimal Value Bill James' Pythagorean Method for the National Lacrosse League, Joint Statistical Meetings, Philadelphia PA, Aug 2020 (virtual with Hayden Howell)

Designing and Launching an MS Program in Business Analytics, 2019 AACSB Analytics Summit, Atlanta GA, May 2019 (with John Mittenthal)

Spatial Statistics of Extremes with a View Towards Application to Extreme Flood Heights in the Lower Limpopo River Basin of Mozambique, Southern African Mathematical Science Association Annual Conference 2018, Palapye Botswana, Nov 2018 (with Daniel Maposa)

Designing an Undergraduate Honours Programme in Operations Research, The 2018 International Conference of the African Federation of Operational Research Societies, Tunis Tunisia, July 2018 (with Philimon Nyamugure)

Working with Sports Media, INFORMS National Meeting, Houston TX, Oct 2017

The Optimal Value Bill James' Pythagorean Method for Major League Lacrosse, INFORMS National Meeting, Nashville TN, Nov 2016 (with Hayden Howell)

Do Pitchers Differ on Batting Average on Balls in Play or Defense Independent Slugging Percentage, INFORMS National Meeting, Nashville TN, Nov 2016 (with Matthew Hall)

Guide to the Analytics Body of Knowledge (ABOK), INFORMS National Meeting, Nashville TN, Nov 2016 2011 (with Terry Harrison and Louise Wehrle)

Interested in Publishing for the Wiley Series in Operations Research and Management Science? INFORMS National Meeting, Nashville TN, Nov 2016 (with Susanne Steitz-Filler)

Political Engineering: Optimal Political Platform Design and the 2004 US Presidential Election, 2016 Conference on Statistical Practice, San Diego CA, Feb 2016

Slugging Percentage on Balls in Play, Fourth Annual Alabama Program in Sports Communication Symposium, Tuscaloosa AL, Feb 2016 (with Matthew Hall)

To Defer or not to Defer - That is the Question, Fourth Annual Alabama Program in Sports Communication Symposium, Tuscaloosa AL, Feb 2016 (with Brandon Coleman)

Where Do I Find Classroom Cases? INFORMS National Meeting, Philadelphia PA, Nov 2015

Assuring Quality Data in Regions of Extreme Hardship and Suffering, Joint Statistical Meetings, Seattle, Aug 2015

The Relative Age Effect and High School Swimming: Does the Relative Age Effect Occur in the Absence of the Suspected Cause? Third Annual Alabama Program in Sports Communication Symposium, Tuscaloosa AL, Feb 2016 (with Lauren M. Brewer)

Understanding the Crisis in Somali IDPs, INFORMS National Meeting, San Francisco CA, Nov 2014 (with Alaa Abou Zeid)

Estimating the Likelihood the Democrats will Retain Control of the Senate in the 2014 Midterms, INFORMS National Meeting, San Francisco CA, Nov 2014

Designing a Broad Coarse in Sports Analytics, INFORMS National Meeting, San Francisco CA, Nov 2014

The Genesis of Statistics Without Borders and the Glocal Impact of Statistics Without Borders Projects, Joint Statistical Meetings, Boston MA, Aug 2014

A Relationship between DEA and Sabermetrics in Evaluation of Baseball Players, INFORMS National Meeting, Minneapolis MN, Oct 2013 (with Hirotsu Nobuyoshi)

An Examination of the Relative Age Effect (RAE) in Texas High School Swimming, INFORMS National Meeting, Minneapolis MN, Oct 2013 (with Lauren Brewer)

Can Pythagoras Predict the Winners of the English Premier and Spanish Football Leagues? INFORMS National Meeting, Minneapolis MN, Oct 2013 (with Cedric Luma)

Mary Worth (or Calvin and Hobbes or Charlie Brown or Opus...) Teaches Operations Research, INFORMS National Meeting, Minneapolis MN, Oct 2013 (with Adel Darrat)

International Statistical Consulting: Current Initiatives to Build Statistics Capacity in Developing Countries, Joint Statistical Meetings, Montréal QC, Aug 2013

Fundamentals of Mathematical Programming, Third Buea Conference on Mathematical Sciences, Buea Cameroon, April 2013 (with 'Maseka Lesaoana)

Report on Current Statistical Capacity Building Efforts in Albania, Ethiopia, Kenya, Papua New Guinea, and Madagascar, Joint Statistical Meetings, San Diego CA, July 2012

Using Sports Examples to Illustrate Concepts in Modeling and Mathematical Programming, INFORMS National Meeting, Charlotte NC, Nov 2011

Using Sports to Engage Students in Introductory Probability and Statistics Courses, Joint Statistical Meetings, Miami FL, July 2011

Was Girardi Foolhardy? An Analysis of the Decision to use a Three Man Rotation in the 2009 World Series - More Results, INFORMS National Meeting, Austin TX, Nov 2010

Modeling the Impact of MLB Bullpen Use and Abuse, Joint Statistical Meetings, Vancouver BC, Aug 2010 (with Martin S. Levy)

Was Girardi Foolhardy? An Analysis of the Decision to use a Three Man Rotation in the 2009 World Series, 24<sup>th</sup> European Conference on Operational Research (EURO XXIV), Lisbon Portugal, July 2010

An International Quantitative Education Initiative and its Impact on Statistics Education, ICOTS 8, Ljubljana Slovenia, July 2010

Using Integer Programming to Assess of the Viability of a Third Party Candidate in a U.S. Presidential Election, INFORMS National Meeting, San Diego CA, Oct 2009

HERBIE and DIPS - NLP Modeling of MLB Pitchers' Earned Run Averages in the Classroom, INFORMS National Meeting, San Diego CA, Oct 2009

Are Seeds Reliable Predictors of Outcomes in NCAA Division I (March Madness) Basketball Tournament? INFORMS National Meeting, Washington, D.C., Oct 2008 (with Kevin James)

Using Political Engineering to Predict the Outcome of the US Presidential Election? INFORMS National Meeting, Washington, D.C., Oct 2008 (with David J. Curry)

Lessons Learned while Organizing International Teaching Effectiveness Colloquia, INFORMS National Meeting, Washington, D.C., Oct 2008

Is the March Madness Seeding Process Consistent? IFORS Triennial Conference, Sandton SA, July 2008 (with Kevin James)

Using Active Learning to Increase Comprehension and Retention in the Quantitative Classroom, INFORMS Southwest Regional Meeting, College Station TX, April 2008

Recursive Partitioning and MLB HOF Elections – Who Gets in, Who doesn't, and Why, INFORMS Southwest Regional Meeting, College Station TX, April 2008

*ITE & Me*, INFORMS National Meeting, Seattle WA, Nov 2007

Statistical Issues in Optimal Product Design, Joint Statistical Meetings, Salt Lake City UT, July 2007

Political Engineering - Optimal Political Platform Design and the 2004 US Presidential Election, INFORMS International Meeting, Rio Grande PR, July 2007

Pop Culture - A Wealthy Source of Active Learning Exercises, INFORMS International Meeting, Rio Grande PR, July 2007

Does the Pitcher or the Batter Control Home Plate in a Major League Baseball Game? INFORMS National Meeting, Pittsburgh PA, Nov 2006

Restricted Error Regression - Preliminary Results, INFORMS National Meeting, Pittsburgh PA, Nov 2006



Getting Involved in OR Education Initiatives and Activities, INFORMS National Meeting, Pittsburgh PA, Nov 2006

Active Learning and Classroom Games for Quantitative Methods Courses, EURO XXI, Reykjavik Iceland, July 2006

Who Controls Home Plate - the Pitcher or the Batter? EURO XXI, Reykjavik Iceland, July 2006

What was John Kerry's Optimal Strategy and would it have been Enough? INFORMS National Meeting, San Francisco CA, Nov 2005 (with D.J. Curry, J.D. Camm, J. Pinnell, and R. Radhakrishnan)

Bill James' Pythagorean Method for Baseball - Some Findings and Potential Alternatives, INFORMS National Meeting, San Francisco CA, Nov 2005

Comparing Simulation Efficiency for Discrete Power Series Distributions with their Finitized Counterparts, INFORMS National Meeting, San Francisco CA, Nov 2005 (with M.S. Levy, S. Golnabi, and K.P. Sunny)

Using Cases in an Introductory OR Course, IFORS Triennial Conference, Honolulu HI, July 2005

Using Strat-O-Matic Board Games to Teach Basic Probability for Statistics, IFORS Triennial Conference, Honolulu HI, July 2005

Incorporating Active Learning into PowerPoint Lectures through Classroom Games, IFORS Triennial Conference, Honolulu HI, July 2005

Optimal Political Platform Design - A Special Case of the Share of Choices Problem, INFORMS National Meeting, Denver CO, Oct 2004 (with D.J. Curry, J.D. Camm, J. Pinnell, and R. Radhakrishnan)

Bowie Kuhn's Worst Nightmare - A Case in Integer Programming & Simpson's Paradox, INFORMS National Meeting, Denver CO, Oct 2004

Using Strat-O-Matic Board Games to Teach Basic Probability for Statistics, INFORMS National Meeting, Denver CO, Oct 2004

INFORM-ED and Professional Service: Opportunities for Operations Research Professionals to Make a Difference, INFORMS Combined Colloquia, Denver CO, Oct 2004

Sample Temporal Percentile Plots, INFORMS National Meeting, Atlanta GA, Oct 2003

Temporal Percentile Plots - A Graphical Tool for Discerning Changes in Distributions over Time, Joint Statistical Meetings, San Francisco CA, Aug 2003

Preliminary Results for an Exact Algorithm for the Share of Choices Problem, INFORMS National Meeting, San Jose CA, Nov 2002 (with J.D. Camm, D.J. Curry, and S. Kannan)

An Exact Algorithm for the Share of Choices Problem, INFORMS National Meeting, Miami FL, Nov 2001 (with J.D. Camm, D.J. Curry, and S. Kannan)

Strat-O-Matic in the Classroom: Teaching Introductory Probability and Statistics with a Popular Baseball Board Game, Joint Statistical Meetings, Atlanta GA, Aug 2001

Who Wants To Be A Millionaire® - The Classroom Version: A Productive Ten-Minute Break from Lecturing, INFORMS National Meeting, San Antonio TX, Nov 2000

Models for Stochastic Coverage Optimization, Joint Statistical Meetings, Indianapolis IN, Aug 2000 (with M.S. Levy)

The Bias Inherent in Statistical Modeling Criteria, INFORMS National Meeting, Salt Lake City UT, May 2000 (with M.S. Levy)

Optimal Product Design & Positioning, INFORMS National Meeting, Salt Lake City UT, May 2000 (with S. Kannan and J.D. Camm)

You're Carrying Cocaine in your Wallet: A Simple & Effective Probability Case, INFORMS National Meeting, Salt Lake City UT, May 2000

INFORMS' First Case Competition: An Introduction to the Competition Rules, INFORMS National Meeting, Philadelphia PA, Nov 1999

An Analysis of Major League Baseball Hall of Fame Membership, Joint Statistical Meetings, Baltimore MD, Aug 1999 (with M.S. Levy)

A Bayesian Predictive Analysis of the 1998 New York Yankees' Regular Season Performance, INFORMS National Meeting, Cincinnati OH, May 1999

A Bayesian Predictive Justification of the Dirichlet-Multinomial Exposure Model, INFORMS National Meeting, Seattle WA, Oct 1998 (with J.D. Camm and M.S. Levy)

A Case Methodology for Introductory Statistics & MS Courses in Undergraduate Business Programs, INFORMS National Meeting, Seattle WA, Oct 1998

A Predictive Approach to Optimal Coverage Estimation, Joint Statistical Meetings, Dallas TX, Aug 1998 (with M.S. Levy and J.D. Camm)

Statistical Properties of Estimated Optimal Coverage, INFORMS National Meeting, Montreal QE, April 1998 (with J.D. Camm and M.S. Levy)

Predisposing Factors for Arthrofibrosis after Total Knee Arthroplasty, American Orthopedic Association 30th Annual Residents' Conference, March 1997 (With K.S. Jeffers, et. al.)

An Integer Programming Approach to Product Positioning, INFORMS National Meeting, Washington D.C., May 1996 (with J.D. Camm)

#### **Conference Contributed Presentations**

Panel with Local Voices: An Academic Perspective, All-of-Nation Effort to Beat COVID-19: What's Happening in Alabama, Birmingham AL, Dec 2020.

WWTBAM - A Self-Contained PowerPoint Classroom Game, 2019 University of Alabama Faculty Technology Showcase, Tuscaloosa AL, Feb 2019

Spatial Statistics of Extremes with a View Towards Application to Extreme Flood Heights in the Lower Limpopo River Basin of Mozambique, Southern Africa Mathematical Sciences Association Annual Conference, Palapye Botswana, Nov 2018 (with D. Maposa)

Maximum Feasible Parameter Size for Moment Preserving Finitizations, Joint Statistical Meetings, Chicago IL, Aug 2016 (with M.S. Levy)

Mary Worth Teaches Statistic via Scripting, Joint Statistical Meetings, Chicago IL, Aug 2016

Slugging Percentage on Balls in Play, Fourth Annual Alabama Program in Sports Communication Symposium, Tuscaloosa AL, Feb 2016 (with M. Hall)

To Defer or not to Defer – That is the Question, Fourth Annual Alabama Program in Sports Communication Symposium, Tuscaloosa AL, Feb 2016 (with B. Coleman)

Modelling Nonstationary Annual Maximum Flood Heights in the Lower Limpopo River Basin of Mozambique. South African Statistical Association Conference 2015, Pretoria, South Africa, Nov 2015 (with D. Maposa and M. Lesaoana)

Modelling Extreme Flood Heights in the Lower Limpopo River Basin of Mozambique using a Time-Heterogeneous Generalised Pareto Distribution, Faculty of Science and Agriculture Postgraduate Research Conference, Oct 2015, Polokwane, South Africa (with D. Maposa and M. Lesaoana)

Statistical Characteristics of Coverage Optimization Based on a Sample Mean Approach, Joint Statistical Meetings, Seattle WA, Aug 2015 (with M.S. Levy)

Construction of Flood Frequency Curves in the Lower Limpopo River Basin of Mozambique using Bayesian and Markov Chain Monte Carlo Methods, 60th International Statistical Institute World Statistics Congress, Rio de Janeiro, Brazil, July 2015 (with D. Maposa and M. Lesaoana)

Estimating High Quantiles of Extreme Flood Heights in the Lower Limpopo River Basin of Mozambique using a Model Based Bayesian Approach, Faculty of Science and Agriculture Postgraduate Research Conference, Oct 2014, Polokwane, South Africa (with D. Maposa and M. Lesaoana)

Estimating High Quantiles of Extreme Flood Heights in the Lower Limpopo River Basin of Mozambique using a Model Based Bayesian approach, International Disaster and Risk Conference, Aug 2014, Davos, Switzerland (with D. Maposa and M. Lesaoana.)

Parameter Constraints for Finitized Distributions: Conjectures and Empirical Results, Joint Statistical Meetings, Boston MA, Aug 2014 (with M.S. Levy)

Investigating the Goodness-Of-Fit of Ten Candidate Distributions and Estimating High Quantiles of Extreme Flood Heights in the Lower Limpopo River Basin of Mozambique, South African Statistical Association Conference 2013, Nov 2013, Polokwane, South Africa (with D. Maposa and M. Lesaoana)

Investigating the Goodness-Of-Fit of Ten Candidate Distributions and Estimating High Quantiles of Extreme Flood Heights in the Lower Limpopo River Basin of Mozambique, Faculty of Science and Agriculture Postgraduate Research Conference, Oct 2013, Polokwane, South Africa (with D. Maposa and M. Lesaoana)

Fitting the Distributions and Estimating the Return Period of Extreme Floods in the Mozambique Limpopo River Basin, Faculty of Science and Agriculture Postgraduate Research Conference), Oct 2012, Polokwane, South Africa (with D. Maposa and M. Lesaoana)

A Moment Preserving Finitization Across the Power Series Family of Probability Distributions, Joint Statistical Meetings, Miami FL, Aug 2011 (with M.S. Levy)

A Sample Average Approach to a Maximum Cover Problem, INFORMS National Meeting, San Diego CA, Oct 2009

Lessons Learned from Organizing and Chairing Teaching Effectiveness Workshops in Statistics and Operations Research in Developing Regions, Joint Statistical Meetings, Denver CO, Aug 2008

Latent Assessment of the Viability of a Third Party Candidate in a U.S. Presidential Election, INFORMS National Meeting, Seattle WA, Nov 2007

Restricted Error Regression - Preliminary Results, Joint Statistical Meetings, Seattle WA, Aug 2006

A Conjoint Approach to Projecting U.S. Presidential Election Results, Joint Statistical Meetings, Minneapolis MN, Aug 2005 (with D.J. Curry, J.D. Camm, J. Pinnell, and R. Radhakrishnan)

Accelerated Simulation with Finitized Power Series Distributions, Joint Statistical Meetings, Minneapolis MN, Aug 2005 (with M.S. Levy, S. Golnabi, and K.P Sunny)

Bias Reduction in Stochastic Covering Problems via a Bayesian Approach with a Conjugate Prior, Joint Statistical Meetings, Toronto ON, Aug 2004

Selecting Stocks Using a Genetic Algorithm: A Case of Real Estate Investment Trusts, Decision Science Institute Meeting, Washington D.C., Nov 2003 (with K. Lertwachara)

The Survival of Internet Companies: An Examination using the Hazard Model, Southern Finance Association Annual Meetings, Charleston SC, Dec 2003 (with K. Elkhal and R. Christie-David)

Machine Learning Approaches for Determining Effective Seeds for K-means Algorithm, DSI National Meeting, San Diego CA, Nov 2002 (with K. Lertwachara)

Empirical Evidence of Economic Impact of Professional Sport Teams on Metropolitan Statistical Areas, Decision Science Institute Meeting, San Diego CA, Nov 2002 (with K. Lertwachara)

Active Learning in the Introductory Statistics Classroom, Joint Statistical Meetings, New York NY, Aug 2002

A Power Analysis of the 162 Game Major League Baseball Schedule, Joint Statistical Meetings, Indianapolis IN, Aug 2000

An Examination of the Effectiveness of Two Multivariate Techniques for Maximum Group Distinctions, TIMS/ORSA Joint National Meeting, Los Angeles CA, April 1986 (with P.T. Boggs)

A Methodology for Longitudinal Comparisons of Performance Levels of Professional Athletes, TIMS/ORSA Joint National Meeting, Los Angeles CA, April 1986 (with P.T. Boggs)

Estimating and Predicting Monetary Base Growth: An Evaluation of Two Contemporary Approaches, Midwest Economics Association Conference, Cincinnati OH, April 1985 (with S.M. Renas)

An Analysis of Consumer Attitudes Regarding the Credibility of Advertisements in Various Media, S.E. TIMS 1984 Conference, Myrtle Beach SC, Sept 1984 (with H.F. Hendrickson)

### **Invited Panels**

To Accredit or Not to Accredit: That is the Question, INFORMS National Meeting, Seattle WA, Oct 2024

On Managing Industry Advisory Boards, INFORMS National Meeting, Seattle WA, Oct 2024

Practitioner/Industry Job Search, INFORMS National Meeting, Seattle WA, Oct 2024

Industry and Academic Applications of Generative AI, 2024 University of Alabama Business Analytics Symposium, Tuscaloosa AL, Oct 2024

Technological Skills of Digital Natives: Myth vs. Reality, 2019 UA System Scholars Institute, Huntsville AL, May 2019

How to Write and Publish a Good Paper, Joint Statistical Meetings, Vancouver BC, Aug 2018

What should be the Role of Collaboration/Consulting for Applied Statistical Faculty Members in Academia: Rewards and Punishments, Joint Statistical Meetings, Vancouver BC, Aug 2018

Securing the future of OR in Africa, The 2018 International Conference of the African Federation of Operational Research Societies, Tunis Tunisia, July 2018

Modernizing the Statistics Curriculum for Non-Statistics Majors to Meet the Demands of Data Science and Analytics, Joint Statistical Meetings, Baltimore MD, Aug 2017

Encouraging Professionalism in the Classroom, INFORMS National Meeting, Philadelphia PA, Nov 2015

The ABCs of Professional Service, INFORMS New Faculty Colloquium, San Francisco CA, Nov 2014

Teaching Introductory Statistics to Large Classes of Students in the Presence of Varying Levels of Preparation and Language Issues, South African Statistical Association Annual Conference, Polokwane, South Africa, Nov 2013

Teaching Data Mining, INFORMS National Meeting, Minneapolis MN, Oct 2013

Joint JFIG/INFORM-ED Panel on Teaching Effectiveness, INFORMS National Meeting, Austin TX, Nov 2010

Global Statistical Capacity and the Role of Statistical Societies, Joint Statistical Meetings, Vancouver BC, Aug 2010

Balancing Teaching and Research, INFORMS Deep South Regional Conference, Huntsville AL, April 2010

Academic or Industrial Career? INFORMS Deep South Regional Conference, Huntsville AL, April 2010

Integrating Research and Teaching, INFORMS Future Academician Colloquium, San Diego CA, Oct 2009

Insights in ORMS Education, INFORMS Teaching Effectiveness Colloquium, San Diego CA, Oct 2009

What Kind of Department do I want to Work in? INFORMS Future Academician Colloquium, San Diego CA, Oct 2009

Building Statistical Capacity Globally, Joint Statistical Meetings, Washington, D.C., Aug 2009

Cooperacion Científica en América Latina, Latin-Ibero-American Biannual Conference on Operations Research (XIV CLAIO), Cartagena de Indias Colombia, Sept 2008

Spanning the Globe: The Intro Stats Course as a Gateway to the Rest of the World, INFORMS Future Academician Colloquium, Joint Statistical Meetings, Denver CO, Aug 2008

A Panel Discussion on Teaching OR/MS with a Data and Modeling Focus - Different Cultural Perspectives, INFORMS Southwest Regional Meeting, College Station TX, April 2008

Early Career Tips for Research and Tenure, INFORMS Future Academician Colloquium, Pittsburgh PA, Nov 2006

Planning, Designing, & Preparing to Teach a New Course - An Interactive Panel/Audience Discussion Designing New Courses, INFORMS National Meeting, Pittsburgh PA, Nov 2006

Tips for New College Instructors, INFORMS Doctoral Colloquium, Atlanta GA, Oct 2003

Where is OR/MS in Undergraduate Business Curriculum? INFORMS National Meeting, San Jose CA, Nov 2002

## **Workshops, Short Courses, and Tutorials**

PhD Workshop, 4th International Statistical Conference in Croatia (ISCCRO'22), Opatija Croatia, May 2022

Data Visualization and Descriptive Statistics module, 1<sup>st</sup> Organisation for Economic Co-operation and Development Workshop on Preparing and Teaching a High School Statistics Course, Saint George's Grenada, Dec 2019

Probability for Statistics module, 1<sup>st</sup> Organisation for Economic Co-operation and Development Workshop on Preparing and Teaching a High School Statistics Course, Saint George's Grenada, Dec 2019

Active Learning from the Ground Up, 1st Bulgarian Teaching Effectiveness Colloquium, Sozopol Bulgaria, June 2019

Designing and Launching an MS Program in Business Analytics, AACSB Data Analytics Summit, Atlanta GA, May 2019 (with John Mittenthal)

Train the Trainer: Learn How to Bring O.R. to Your Local High School, INFORMS National Meeting, Phoenix AZ, Nov 2018

Strategies for Classroom Effectiveness: A Perspective for New Instructors, The 2018 International Conference of the African Federation of Operational Research Societies, Tunis Tunisia, July 2018

Advances in Modern Statistics: Sampling, Data Mining, and Machine Learning, The National Statistics Office of Mongolia, Ulaanbaatar Mongolia, July 2018

Actively Experiencing Active Learning in Operations Research, INFORMS Teaching Effectiveness Colloquium, Houston TX, Oct 2017

O.R. and Mathematical Analytics for High School Math Teachers: When will you ever use this? INFORMS National Meeting, Houston TX, Oct 2017 (with Kenneth Chelst and Donna Llewellyn)

Using Cases to Teach Statistics in High School, Beyond AP Statistics (BAPS), Joint Statistical Meetings, Baltimore MD, Aug 2017

Active Learning to Increase Comprehension and Retention of Applied Mathematics, 1st Moldovan Teaching Effectiveness Colloquium, Chişinău Moldova, June 2017

Active Learning from the Ground Up, Workshop on Innovative and Technology Based Teaching of Statistics and Operations Research, Tuscaloosa AL, May 2017

A Primer on Teaching with Cases, Workshop on Innovative and Technology Based Teaching of Statistics and Operations Research, Tuscaloosa AL, May 2017

O.R. and Mathematical Analytics for High School Math Teachers: When will you ever use this? INFORMS National Meeting, Nashville TN, Nov 2016 (with Kenneth Chelst and David Goldsman)

Actively Experiencing Active Learning in Operations Research, INFORMS Teaching Effectiveness Colloquium, Nashville TN, Nov 2016

Using Cases to Teach Statistics in High School, Beyond AP Statistics (BAPS), Joint Statistical Meetings, Chicago IL, Aug 2016

Teaching Introductory Operations Research: A Primer for Statistics Instructors, Conference on Applied Statistics: Teaching, Research, and Business Innovation, Ulaanbaatar Mongolia, May 2016 (with Edward Kaplan)

Integrating Statistics into a Curriculum at the Secondary School Level, Conference on Applied Statistics: Teaching, Research, and Business Innovation, Ulaanbaatar Mongolia, May 2016 (with James Rosenberger)

Teaching Introductory Statistics with Cases: Demonstration and Discussion, Conference on Applied Statistics: Teaching, Research, and Business Innovation, Ulaanbaatar Mongolia, May 2016.

Why the Media Needs a Statistician: Examples from Sports, Osher Lifelong Learning Institute, Tuscaloosa AL, Jan 2016

O.R. and Mathematical Analytics for High School Math Teachers: When will you ever use this? INFORMS National Meeting, Philadelphia PA, Nov 2015 (with Kenneth Chelst)

Active Learning: Reengaging and Reenergizing your Students and their Instructor!, 1<sup>st</sup> Cuban-American Teaching Effectiveness Colloquium, 11<sup>th</sup> International Workshop on Operations Research, Havana Cuba, March 2015

O.R. and Mathematical Analytics for High School Math Teachers: When will you ever use this? INFORMS National Meeting, San Francisco CA, Nov 2014 (with Kenneth Chelst and David Goldsman)

Engaging and Re-Engaging Students with Active Learning, 1<sup>st</sup> CRORS Teaching Effectiveness Colloquium, 15th International Conference on Operational Research KOI 2014, Osijek Croatia, Sept 2014

Engaging Students in Statistics, Beyond AP Statistics (BAPS), Joint Statistical Meetings, Boston MA, Aug 2014

O.R. and Mathematical Analytics for High School Math Teachers: When will you ever use this? Kathmandu Nepal, Jan 2014 (with Kenneth Chelst)

O.R. and Mathematical Analytics for High School Math Teachers: When will you ever use this? INFORMS National Meeting, Minneapolis MN, Oct 2013 (with Kenneth Chelst and David Goldsman)

O.R. and Mathematical Analytics for High School Math Teachers: When will you ever use this? INFORMS National Meeting, Phoenix AZ, Nov 2012 (with Kenneth Chelst, David Goldsman, and Thomas Edwards)

Engaging Students in Statistics, Beyond AP Statistics (BAPS), Joint Statistical Meetings, San Diego CA, Aug 2012

O.R. and Mathematical Analytics for High School Math Teachers: When will you ever use this? INFORMS National Meeting, Charlotte NC, Nov 2011 (with Kenneth Chelst, David Goldsman, and Thomas Edwards)

Effectively Communicating with Statistics Students and Other Odd Species, 1<sup>st</sup> International Conference for Health Statistics in the Pacific Islands, Suva Fiji, July 2011

Introduction to Operations Research II – Integer and Nonlinear Optimization for Statisticians in Health Care Professions, 1<sup>st</sup> International Conference for Health Statistics in the Pacific Islands, Suva Fiji, July 2011

O.R. and Mathematical Analytics for High School Math Teachers: When will you ever use this? INFORMS National Meeting, Austin TX, Nov 2010 (with Kenneth Chelst, David Goldsman, and Andres Wientraub)

Multivariate Statistics and Statistical Learning with SAS, Statistics South Africa, Polokwane South Africa, Sept 2010

Stimulating Interest to Generate Effective Operations Research Applications, Operations Research Society of South Africa (ORSSA) Conference, Polokwane South Africa, Sept 2010

Active Learning: Engage Students, Improve Comprehension, and Increase Retention in the OR Classroom, INFORMS Deep South Regional Conference, Huntsville AL, April 2010

Fostering Effective Operations Research Education through Active Learning, 8<sup>th</sup> Triennial Meeting of the Association of Asia-Pacific Operational Research Societies, Jaipur India, Dec 2009

O.R. and Mathematical Analytics for High School Math Teachers: When will you ever use this? INFORMS National Meeting, San Diego CA, Nov 2010 (with Kenneth Chelst and Thomas Edwards)

Opportunities at the Interface of Operations Research and Statistics with Applications to Economic and Social Development, 57<sup>th</sup> Session of the ISI, Durban South Africa, Aug 2009

Games and Operations Research: Putting Some Punch in your O.R. or Statistics Course, INFORMS Teaching Effectiveness Colloquium, Washington, D.C., Oct 2008

A Design Workshop to Revitalize a Course and Improve Student Learning, INFORMS Teaching Effectiveness Colloquium, Seattle WA, Nov 2007

Clinic on Developing a New Course, INFORMS Teaching Effectiveness Colloquium, Pittsburgh PA, Nov 2006

A Tutorial on Active Learning in the Quantitative Classroom, INFORMS National Meeting, San Francisco CA, Nov 2005



A Workshop on Quantitative Approaches to Problem Solving in Sports, INFORMS Conference on ORMS Practice, Palm Springs CA, April 2005

Some Thoughts on Active Learning and Classroom Games, INFORMS Teaching Effectiveness Colloquium, Denver CO, Oct 2004

Professional Service: Participating in your Professional Organization, Louisiana Tech University DBA Association, Ruston LA, April 2003

Active Learning in the OR/MS Classroom, INFORMS Teaching Effectiveness Colloquium, San Jose CA, Nov 2002

Using Cases to Enhance Understanding and Retention in Undergraduate Courses, Louisiana Tech University Brown Bag Series, Ruston LA, Nov 2002

Issues in Sample-Based Coverage Optimization, Operations Research Department, Naval Postgraduate School, Monterey CA, Aug 2002

The Beowulf Project at Louisiana Tech's College of Business and Administration, Department of Computer Information Systems & Analysis Advisory Council Meeting, Ruston LA, April 2002

The Academic Job Search: The Applicant's Perspective, INFORMS Doctoral Colloquium, Miami FL, Nov 2001 (with E. Junqueira)

Information Technology in the Classroom at Louisiana Tech's College of Business and Administration, Computer Information Systems & Analysis Advisory Council Meeting, Ruston LA, April 2001

Neural Networks, Statistics, and Operations Research: An Introduction, University of Cincinnati College of Business Administration, Cincinnati OH, Sept-Dec 1994

## Honors and Awards

Associate Fellow of the African Academy of Sciences, 2024

Scripps Howard Excellence in Multimedia Journalism award for *The Bat Lands!*, 2024 (with Ryan McNeill, Helen Reid, Allison Martell, Cooper Inveen, Deborah J. Nelson, Matthew Green, Michael Ovaska, and Janet O. Roberts)

AACSB International's Innovations That Inspire for 2024 for the Southeast Regional Drug Data Research Center, 2024

Industrial Engineering and Operations Management Society International (IEOM) Keynote Contributor Award, 2024

American Society for Quality William G. Hunter Award, 2023

INFORMS Innovative Applications in Analytics Award finalist (second place for *Analytical Pipeline for Identifying Potential Sex Trafficking Victims in Commercial Sex Ad Data*), 2023

Industrial Engineering and Operations Management Society International (IEOM) Outstanding Professor Award, 2023

Melbourne Business School's Centre for Business Analytics Practice Prize semifinalist (*Using Analytics to Understand and Improve Provider Accessibility for a State Medicaid Agency in the United States*), 2022

INFORMS Innovative Applications in Analytics Award finalist (third place for *Using Analytics for Urban Blight Remediation*), 2022

Cengage Product of the Year (for *Business Analytics*), 2021

INFORMS Innovative Applications in Analytics Award finalist (for *Using Analytics to Understand and Improve Provider Accessibility for a State Medicaid Agency*), 2021

OBAIS Distinguished Alumni Award, University of Cincinnati, 2019

#2 on BookAuthority's 22 Best New Analytics Books to Read in 2019 (for the *INFORMS Analytics Body of Knowledge*), 2019

#13 on BookAuthority's 88 Best New Knowledge Books to Read in 2019 (for the *INFORMS Analytics Body of Knowledge*), 2019

#25 on BookAuthority's 29 Best Analytics Books for Beginners (for the *INFORMS Analytics Body of Knowledge*), 2019

#22 on BookAuthority's 26 Best Analytics eBooks for Beginners (for the *INFORMS Analytics Body of Knowledge*), 2019

President's Award, Institute for Operations Research and the Management Sciences, 2018

Fellow of the Institute for Operations Research and the Management Sciences, 2017

Waller Distinguished Teaching Career Award, American Statistical Association, 2017

Cengage Product & Marketing Team of the Year, Decision Sciences, 2016

Karl E. Peace Award for Outstanding Statistical Contributions for the Betterment of Society, American Statistical Association, 2015

Founders Award, American Statistical Association, 2014

President's Medallion, Louisiana Tech University, 2014

Outstanding Business Reference by the Reference and User Services Association, 2011 (for the *Wiley Encyclopedia of Operations Research and Management Science*)

Fellow of the American Statistical Association, 2011

Mu Sigma Rho Statistical Education Award, 2010

INFORMS Prize for the Teaching of OR/MS Practice, 2008

American Statistical Association Significant Contributor to Statistics in Sports Award, 2008

College of Administration & Business Faculty Research Award, 2005-06

INFORMS Case Writing Competition VII finalist, 2006

Elected to the International Statistics Institute, 2005

Elwood S. Buffa Award Honorable Mention for outstanding doctoral dissertation in the development of theory or application of the decision sciences, 1997

Whiting Scholarship Award for Academic Excellence, 1993-94, 1994-95, 1995-96

University of Cincinnati College of Business Administration Graduate Teaching Excellence Award, 1995-96 & 1996-97

Sigma Xi, University of Cincinnati Chapter, 1996

Omega Rho, University of Cincinnati Chapter, 1994

Ralston Purina Company FY 1988 Dog Food Custom Research Supplier Award

Outstanding Management Science Faculty, Wright State University, 1986-87

College Merit Award for Outstanding Faculty Contribution, Wright State University, 1986-87

Certificate of Merit for Scholarship and Leadership, Wright State University, 1982-83 & 1983-84

Alpha Iota Delta, Pi (Wright State University) Chapter, 1984

Beta Gamma Sigma, Wright State University Chapter, 1984

Omicron Delta Epsilon, Alpha Delta Chapter, 1984

National Register of Outstanding College Graduates, 1984

## Teaching Interests

Computational Statistics	Discrete Choice Models	Combinatorial Optimization
General Linear Models	Statistical Learning/Data Mining	Multivariate Statistics
Statistical Methodology	Operations Research Methodology	Design of Experiments
Optimization Modeling	Regression Methods	Mathematical Statistics

## Courses Taught

THE UNIVERSITY OF ALABAMA 2014 – present				
Course Number	Title	Level	Credit Hours	Number of Sections
ST 260	Statistical Data Analysis	Sophomore	3.0	4
ST 521	Statistical Data Management	MS/PhD	3.0	1
ST 531	Data Mining & Machine Learning I	MS/PhD	3.0	2
ST 532	Data Mining & Machine Learning II	MS/PhD	3.0	2
ST 551	Statistical Methods In Research II	Senior/MS	3.0	1
ST 553	Applied Multivariate Analysis	MS/PhD	3.0	2
ST 697	Modern Research Methods	PhD	3.0	1
OM 501	Advanced Applied Modeling and Analysis	MS	3.0	1

LOUISIANA TECH UNIVERSITY 2000 – 2014				
Course Number	Title	Level	Credit Hours	Number of Sections
QA 233	Basic Business Statistics	Sophomore	3.0	30
QA 410	Sports Analytics	Senior	3.0	0
QA 525	Quantitative Approaches For Decision Making	MS/Doc	3.0	2
CIS 525	Cryptography	Master's	3.0	0
QA 550	Independent Study (Logistic Regression)	Master's	3.0	1
QA 622	Regression Analysis	Doctoral	3.0	12
QA 605	Design & Analysis of Experiments	Doctoral	3.0	13
QA 610	Multivariate Statistics	Doctoral	3.0	3
QA 650	Independent Study (Survival Analysis)	Doctoral	3.0	1
QA 650	Independent Study (Optimization in Finance)	Doctoral	3.0	1

POLE UNIVERSITAIRE LEONARD de VINCI 2011, 2013				
Course Number	Title	Level	Credit Hours	Number of Sections
	Fundamentals of Applied Linear Programming (Undergraduate Seminar)	Jr/Sr	1.0	1
	Mathematical Programming and Applications to Product Design (Undergraduate Seminar)	Jr/Sr	1.0	1

UNIVERSIDAD de TALCA 2009				
Course Number	Title	Level	Credit Hours	Number of Sections
MGEOP 115	Seminario 1 (Graduate Seminar in Sample Based Optimization)	Master's	1.0	1

UNIVERSITY OF CINCINNATI 1993 - 1998 and 1999 – 2000				
Course Number	Title	Level	Credit Hours	Number of Sections
QA 241	Business Statistics I	Sophomore	3.0	7
QA 242	Business Statistics II	Sophomore	3.0	7
QA 345	Mathematical Statistics III	Junior	3.0	1
QA 375	Introduction to Operations Research	Junior	3.0	3
QA 575	Applied Data Analysis	Senior/MS	3.0	2
QA 711	Statistics for Managers	MBA	3.0	1

MIAMI UNIVERSITY 1998 – 1999				
Course Number	Title	Level	Credit Hours	Number of Sections
DSC 205	Business Statistics	Sophomore	4.0	3
DSC 321	QA For Business Problems	Jr/Sr	3.0	2

DREXEL UNIVERSITY 1997 – 1998				
Course Number	Title	Level	Credit Hours	Number of Sections
QM 201	Business Statistics I	Sophomore	3.0	1
QM 202	Business Statistics II	Sophomore	3.0	1

WRIGHT STATE UNIVERSITY 1984 - 1987				
Course Number	Title	Level	Credit Hours	Number of Sections
MIS 100	Data Processing	Freshman	3.0	3
EC 201	Introduction to Economics	Sophomore	3.0	1
MS 201	Introduction to Statistical Analysis	Sophomore	3.0	2
MS 202	Introduction to Statistical Inference	Sophomore	3.0	21
MS 203	Analytical Problem Solving	Junior	3.0	9
EC 300	Consumer Economics	Junior	3.0	1
MGT 306	Production Systems	Junior	3.0	1
MS 341	Probabilistic Models	Junior	3.0	3
MS 620	Graduate Business Mathematics	MBA	3.0	1
MS 621	Graduate Business Statistics	MBA	3.0	1

## Summary of Academic Evaluations

Academic Year	Number of Sections	Weighted Mean Overall Effectiveness (on a 4 point scale)
2024-25	1	3.48
2016-17 <sup>†</sup>	2	3.36
2015-16 <sup>†</sup>	4	3.25 <sup>8</sup>
2014-15 <sup>†</sup>	3	3.28 <sup>8</sup>
2013-14 <sup>‡</sup>	4	3.83 <sup>7</sup>
2012-13 <sup>‡</sup>	4	3.71 <sup>7</sup>
2011-12 <sup>‡</sup>	4	3.76 <sup>7</sup>
2010-11 <sup>‡</sup>	4	3.67 <sup>7</sup>
2009-10 <sup>‡</sup>	4	3.75 <sup>7</sup>
2008-09 <sup>‡</sup>	4	3.67 <sup>7</sup>
2007-08 <sup>‡</sup>	5	3.72 <sup>7</sup>
2006-07 <sup>‡</sup>	5	3.68 <sup>6</sup>
2005-06 <sup>‡</sup>	5	3.65 <sup>4</sup>
2004-05 <sup>‡</sup>	3	3.65 <sup>4</sup>
2003-04 <sup>‡</sup>	4	3.64 <sup>5</sup>
2002-03 <sup>‡</sup>	3	3.70 <sup>4</sup>
2001-02 <sup>‡</sup>	4	3.60 <sup>4</sup>
2000-01 <sup>‡</sup>	5	3.64 <sup>4</sup>
1999-00 <sup>‡</sup>	5	3.39 <sup>3</sup>
1998-99 <sup>†</sup>	5	3.63 <sup>4</sup>
1997-98 <sup>‡</sup>	7	3.87 <sup>2</sup>
1996-97 <sup>‡</sup>	4	3.90 <sup>1</sup>
1995-96 <sup>‡</sup>	4	3.36 <sup>1</sup>
1994-95 <sup>‡</sup>	4	3.58 <sup>4</sup>
1986-87 <sup>†</sup>	15	3.62 <sup>4</sup>
1985-86 <sup>‡</sup>	15	3.35 <sup>4</sup>
1984-85 <sup>‡</sup>	13	3.11 <sup>4</sup>

<sup>†</sup> Semester (15 weeks) system

<sup>‡</sup> Quarter (10 weeks) system

<sup>1</sup> Includes one large section (200-300 students) of *Introduction to Operations Research*

<sup>2</sup> Includes one large section (200-300 students) of *Business Statistics I* and two large sections (200-300 students) of *Business Statistics II*

<sup>3</sup> Includes two large sections (200 - 300 students) of *Business Statistics*

<sup>4</sup> Includes one moderate section (90 - 100 students) of *Business Statistics*

<sup>5</sup> Includes four moderate sections (90 - 100 students) of *Business Statistics*

<sup>6</sup> Includes one moderate section (90 - 100 students) of *Business Statistics* and one streaming video/distance learning section of *Quantitative Approaches for Decision Making*

<sup>7</sup> Includes two moderate sections (90 - 100 students) of *Business Statistics*

<sup>8</sup> Includes one large section (200 - 250 students) of *Business Statistics*

## Graduate Students

### Doctoral Dissertation Committees

Hui Wang, PhD Candidate, Statistics, The University of Alabama, *Sufficient Dimension Reduction with Orthogonal Constraints Through Manifold Optimization*

Kim Jacks, PhD Candidate, Political Science, *A Seat at the Table? Inclusion and Representation of Marginalized Groups in Latin American Legislatures*

Yahong Feng, PhD (April 2024). Statistics, The University of Alabama, *Sufficient Dimension Reduction through Imbalanced Learning*

Trust Tawanda, PhD Candidate, Operations Research, National University of Science and Technology Zimbabwe, *Studies in Development and Modification of Computational Exact and Heuristic Algorithms for Network Combinatorial Optimisation Problems*

Tumelo Keitumetse, PhD Candidate, Operations Research, Botswana International University of Science & Technology, *Addressing the Efficiency Problem for Botswana Railways* (Chair)

Ozias Ncube, PhD Candidate, Operations Management, University of South Africa, *Design, Modelling and Analysis of Supply Chains*

Jurie Zietsman, PhD (January 2023). Industrial Engineering, Stellenbosch University, *An Integrated Framework for Multi-Objective Decision Support in Retail Inventory Management*

Willard Zvarevashe, PhD (December 2020), Statistics, University of Zululand, *A Data Adaptive Approach to the Analysis of South African Climate Variability and its Agricultural Impacts*

Isil Koyuncu, PhD (June 2020), Operations Management, The University of Alabama, *Essays on Mixed-Fleet Green Vehicle Routing*

Jia Guo, PhD, Operations Management (June 2019), The University of Alabama, *Distribution System Design for Omni-Channel Retailing*

Yana Melnykov, PhD, Statistics (October 2017), The University of Alabama, *Developing Change Point Estimation and Detection Approaches in Matrix Linear Models*

Rong Zheng, PhD, Statistics (May 2017), The University of Alabama, *Some Contributions to Univariate Nonparametric Tests and Control Charts*

Daniel Maposa, PhD, Statistics (September 2016), University of Limpopo, *Statistics of Extremes with Applications to Extreme Flood Heights in the Lower Limpopo River Basin of Mozambique* (Chair)

Maupi Eric Letsoalo, PhD, Mathematics Education (September 2016), University of Limpopo, *The Application of Causal Models in the Analysis of Grade 12 Results in Gauteng and Western Cape Provinces*

Govinda Tamang, PhD, Statistics (October 2015), Institute of Science and Technology, Tribhuvan University, *Total Quality Management Practice and Organizational Performance in Financial Institutions*

Jaan Übi, PhD, Informatics (June 2014), Tallinn University of Technology, *Methods for Coopetition and Retention Analysis: An Application to University Management*

Zhiyuan Dong, PhD, QAOM (March 2010), University of Cincinnati, *Three Essays in Quantitative Analysis*

Pavani Tallapally, DBA, Accounting (Dec 2008), Louisiana Tech University, *The Association between Data Intermediaries and Bond Rating Classification Model Prediction Accuracy* (Co-Chair)

R. Samuel Sale, DBA, Operations Management (Oct 2008), Louisiana Tech University, *Dynamic Lot Sizing with Price Elasticity and New Product Introductions*

Wei-Chih Chiang, DBA, Accounting (June 2007), Louisiana Tech University, *Value Relevance of Deferred Taxes in Mergers and Acquisitions*

Stephen Hanke, DBA, Accounting (June 2007), Louisiana Tech University, *Estate Tax Implications upon Bequest Patterns: A Multi-State Analysis*

Ying Wang, DBA, Accounting (May 2007), Louisiana Tech University, *An Empirical Investigation of Party Capability Theory on Judicial Decisions in Federal Tax Cases*

Sriram Kannan, PhD, Operations Research (April 2006), University of Cincinnati, *An Exact Algorithm for the Share of Choice Problem*

Margaret Chen, DBA, Finance (May 2004), Louisiana Tech University, *Testing the Effectiveness of Deregulation in the Electric Utility Industry: A Market-Based Approach*

Kaveephong Lertwachara, DBA, Quantitative Analysis (May 2003), Louisiana Tech University, *Hybrid Machine Learning Approaches for Determining Effective Seeds for K-Means Algorithm* (Chair)

Khalid Elkal, DBA, Finance (Sept 2002), Louisiana Tech University, *Survival Analysis of Internet Companies: An Application of the Hazard Model*

Cynthia Daily, DBA, Accounting (Sept 2002), Louisiana Tech University, *An Empirical Analysis of the Effect of the Need for Closure on Materiality Thresholds of Auditors*

Ian Clough, PhD, Applied Statistics (July 2000), University of Cincinnati, *On Sampling from a Many-to-Many Frame*

### **Master's Thesis Committees**

Livhuwani Nedzingahe, MSOR (Oct 2010), University of Limpopo, *Forecasting Model for Operational and Tactical Requirements in Electricity Consumption: The Case of the Ferrochrome Sector in South Africa*

Simon Setsweke Nkwane, MSOR (June 2009), University of Limpopo, *Operations Research Modeling of the Taxi Transport between Polokwane and Mankweng in the Limpopo Province, South Africa*

Sriram Kannan, MSQA (April 2001), University of Cincinnati, *Finding All Optimal Solutions to Covering Problems*

Guatam Dalvi, MSQA (May 2000), University of Cincinnati, *Finding all Optimal Solutions for the Generalized Set-Covering Problem*

Dapeng Cui, MSQA (Feb 2000), University of Cincinnati, *Archetypal Analysis and its Applications in Business Research* (Chair)

Joga Rao Palutla, MSQA (Sept 1998), University of Cincinnati, *Minimizing Maximum Lateness in a Family Single Machine Scheduling Problem*

Shailesh S. Kulkarni, MSQA (Aug 1998), University of Cincinnati, *A Genetic Algorithm Implementation of an Optimal Clustering Model for Cellular Manufacturing*

Meghna Sinha, MSQA (Aug 1999), University of Cincinnati, *An Evaluation of Combined Ranking, Selection, and Multiple Comparison Procedures in an Industrial Application*

## **Academic Committee Assignments**

### **Statewide Committees and Commissions**

Alabama Governor's Advisory Council for Excellence in STEM (ACES), 2019-2022

Alabama Scholar's Institute, 2019

### **University Committees**

University Conflict of Interest Committee (Chair), 2024-2027

Vice President for Research and Economic Development Search Committee, 2023-2024

Midcareer Professional Development Committee, 2022-2024

Faculty/Staff Innovation Pitch Competition Judge, 2020-2022



Executive Director of the Alabama Water Institute Search Committee, 2019-2020  
Internationalization Lab Review and Strategic Planning Committee, 2017-2023  
University Associate Deans for Research Committee, 2017-2023  
Council of Assistant and Associate Deans, 2017-2023  
Office for Undergraduate Research and Emerging Scholars Program Advisory Board, 2017-present  
Research Grants Committee, University of Alabama, 2014-2017  
University Grievance Committee, Louisiana Tech University, 2011-2014  
University Senate, Louisiana Tech University, 2012-2014  
Computational Analysis and Modeling (CAM) PhD Program Steering Committee, 2007-2014  
University Research Council, Louisiana Tech University, 2006-2014  
University Graduate Council, Louisiana Tech University, 2002-2003  
Center for Entrepreneurship and Information Technology (CEnIT) Proposal Review Committee, Louisiana Tech University, 2001-2004  
University Academic Calendar Committee, University of Cincinnati, 1999-2000  
University Media Review Committee, Wright State University, 1985-1987

### **College Committees**

Shelby Distinguished Fellow Search Committee, University of Alabama, 2024-2025 (Chair)  
Senior Management Information Systems Faculty Member Search Committee, University of Alabama, 2023-2024 (Chair)  
Junior Management Information Systems Faculty Member Search Committee, University of Alabama, 2023-2024 (Chair)  
Director of Enterprise Data Operations Search Committee, University of Alabama, 2017  
College Faculty Awards and Honors Committee, 2022-2023 (ex officio)  
College Faculty Executive Board, 2022-2023 (ex officio)  
College Institutional Review Board Committee, 2018-2023 (Chair)  
Research & Scholarship Committee, 2017-2023 (ex officio)  
College Tenure and Promotion Committee, 2017-2019  
Director of Enterprise Data Operations Search Committee, University of Alabama, 2017  
Managing Director of the Institute of Business Analytics Search Committee, University of Alabama, 2017  
Department Head Search Committee, University of Alabama, 2016-2017 (Chair)  
Leadership Council, 2016-present  
Analytics Oversight Committee, 2015-2017 (Chair)  
Business Honors Program, College of Commerce and Business Administration, University of Alabama, 2015-2017  
International Committee, College of Commerce and Business Administration, University of Alabama, 2014-2017

Study Abroad Scholarship Committee, College of Commerce and Business Administration, University of Alabama, 2014-2016

Graduate Policy Advisory Committee, College of Business, Louisiana Tech University, 2002-2014

Building Planning Committee, College of Business, Louisiana Tech University, 2007-2010

Information Technology Committee, College of Business, Louisiana Tech University, 2001-2014

Human Resource Management Committee, College of Business, Louisiana Tech University, 2005-2011

College of Business Graduate Programs Committee, Drexel University, 1997-1998

### **Department Committees**

Instructor in Statistics Search Committee, University of Alabama, 2023-2024 (Chair)

Professor in Management Information Systems (Cyber Security) Search Committee, University of Alabama, 2022-2023 (Chair)

MIS Faculty Fellow Selection Committee, University of Alabama, 2023-2024 (Chair)

Rogers-Spivey Fellow Selection Committee, University of Alabama, 2023-2024 (Chair)

Assistant Professor in Management Information Systems (Cyber Security) Search Committee, University of Alabama, 2022-2023 (Chair)

Tenure and Promotion Committee, Department of Information Systems, Statistics, and Management Science, University of Alabama, 2014-present (Chair, 2017-2018)

Clinical Assistant Professor in Statistics Search Committee, University of Alabama, 2016

Clinical Instructor in Statistics Search Committee, University of Alabama, 2016

Assistant Research Analyst Search Committee, University of Alabama, 2015

Clinical Assistant Professor in Statistics Search Committee, University of Alabama, 2014

Marketing Curriculum Committee, Louisiana Tech University, 2011-2014

Marketing & Analysis Department Chair Search Committee, Louisiana Tech University, 2005-2007

QA Curriculum Committee, Louisiana Tech University, 2000-2014

QA Comprehensive Examination Committee, Louisiana Tech University, 2000-2014

Statistics Faculty Search Committee, Drexel University, 1997-1998

Management Science Faculty Search Committee, Wright State University, 1986-1987

Management Science Department Curriculum Review Committee, Wright State University, 1985-1987

### **Board and Advisory Panels**

Association for Computing Machinery Data Science Task Force, 2025-present.

Department Industry Consultative Board (DICB) of the Sri Lanka Institute of Information Technology (SLITT) B Sc (Hons) in Financial Mathematics & Applied Statistics (FMAS), 2023-present

Advisory Board of the University of South Africa (UNISA) Graduate School of Business Leadership, Pretoria South Africa, 2019-present

LISA 2020 Advisory Council, Blacksburg VA, 2015-present

African Rural Development Movement (ARUDMO) Board of Directors, 2015-present

Advisory Committee, Applied Statistics, School of Mathematics and Statistics, University of Technology, Jamaica, 2014-Present

Faculty Academic Advisory Panel, QUEST International University Perak, Perak Malaysia, 2012-present

Scientific Council, Geneva Consensus Foundation, Geneva Switzerland, 2013-present

Operational Research Practice in Africa Group (ORPA) Steering Committee, 2007-present

## Professional Organizations

The American Statistical Association (ASA)

The Institute for Operations Research and the Management Sciences (INFORMS)

The Institute for Mathematical Statistics (IMS)

The International Statistics Institute (ISI)

American Association for the Advancement of Science (AAAS)

Statistics Without Borders (SWB)

The Operations Research Society of South Africa (ORSSA)

The Operational Research Society of East Africa (ORSEA)

The American Association for the Advancement of Science (AAAS), Science & Human Rights Program

Scientists Without Borders

International Association for Statistical Education (IASE)

Astrostatistics and Astroinformatics Society (ASAIS)

## Professional Service

### Grant Proposal Reviews

Editor of Tutorials Section, *IFORS Newsletter*, 2024-present

Chilean National Agency for Research and Development (2023 Regular Fondecyt National Projects Competition), December 2022

National Research Foundation of South Africa, March 2014

Fonds Wetenschappelijk Onderzoek (FWO), Oct 2013

Social Sciences and Humanities Research Council of Canada (SSHRC) Standard Research Grants Program, Jan 2010

Royal Military College of Canada (RMCP) Academic Research Program (ARP), Dec 2009

Canadian Department of National Defence (DND) Academic Research Programme (ARD), Jan 2008

Natural Sciences and Engineering Research Council of Canada Discovery Grant Panel, Oct 2007

National Science Foundation Manufacturing Enterprise Systems Panel, April 2006

### Conference & Workshop Organization

Program Committee, 16<sup>th</sup> International Workshop on Operations Research, Havana Cuba, March 2025

Program Committee, 16<sup>th</sup> International Conference on Operations Research, Havana Cuba, March 2024

Program Committee, 15<sup>th</sup> International Workshop on Operations Research, Havana Cuba, May 2023

Scientific Committee, 1st International Engaged Scholarship Conference: Africa Continental Free Trade Area-Leading Change in the Public and Private Sector, Johannesburg South Africa, Aug 2022

Program Committee, 15<sup>th</sup> International Conference on Operations Research, Havana Cuba, May 2022

Program Committee, 14<sup>th</sup> International Workshop on Operations Research, Havana Cuba, June 2021

Program committee, 9th International Scientific Conference on Sustainability in Energy and Environmental Science, Ivano-Frankivsk Ukraine, Mar 2022

Program Committee, 14<sup>th</sup> International Conference on Operations Research, Havana Cuba, March 2020

Organizer & Chair, 1<sup>st</sup> Organisation for Economic Co-operation and Development Workshop on Preparing and Teaching a High School Statistics Course, Saint George's Grenada, Dec 2019.

Organizer & Chair, 1<sup>st</sup> Bulgarian Teaching Effectiveness Colloquium, Sozopol Bulgaria, June 2019.

Program Committee, 13<sup>th</sup> International Workshop on Operations Research, Havana Cuba, March 2019

Advisory Committee, 10th Triennial Conference of the Association of Asia-Pacific Operational Research Societies, Kathmandu Nepal, Aug 2018

Program Committee, 13<sup>th</sup> International Conference on Operations Research, Havana Cuba, March 2018

Program Committee, ICORES 2016: International Conference on Operations Research and Enterprise Systems, Madeira Portugal, Jan 2018

Program Committee, 4th Conference of Mathematical Society of the Republic of Moldova, Chişinău Moldova, June 2017

Organizer & Chair, 1st Moldovan Teaching Effectiveness Colloquium, Chişinău Moldova, June 2017

Chair, Workshop on Innovative and Technology Based Teaching of Statistics and Operations Research, Tuscaloosa AL, May 2017

Program Committee, 12<sup>th</sup> International Workshop on Operations Research, Havana Cuba, March 2017

Program Committee, ICORES 2017: International Conference on Operations Research and Enterprise Systems, Porto Portugal, Feb 2017

Scientific Committee, VI Taller Latino Iberoamericano de Investigación de Operaciones, Loja Ecuador, Nov 2016

Program Committee, Conference on Applied Statistics: Teaching, Research, and Business Innovation, Ulaanbaatar Mongolia, July 2016

International Scientific Program Committee, ISCCRO'16: The International Statistical Conference in Croatia, Zagreb Croatia, May 2016

Program Committee, 12<sup>th</sup> International Conference on Operations Research, Havana Cuba, March 2016

Program Committee, ICORES 2016: International Conference on Operations Research and Enterprise Systems, Rome Italy, Feb 2016

Program Committee, Workshop on Theory and Applications of Operations Research for Sustainability, Global Cleaner Production and Sustainable Consumption Conference, Barcelona Spain, Nov 2015

Program Committee, ORPA'2015: Operational Research Practice in Africa Conference 2015, Algiers Algeria, April 2015

Organizer & Chair, 1<sup>st</sup> IWOR Teaching Effectiveness Colloquium, International Workshop on Operations Research, Havana Cuba, March 2015

Program Committee, 11<sup>th</sup> International Workshop on Operations Research, Havana Cuba, March 2015

Program Committee, ICORES 2015: International Conference on Operations Research and Enterprise Systems, Lisbon Portugal, Jan 2015

Organizer & Chair, 1<sup>st</sup> CRORS Teaching Effectiveness Colloquium, 15th International Conference on Operational Research KOI 2014, Osijek Croatia, Sept 2014

Program Committee, 11<sup>th</sup> International Conference on Operations Research, Havana Cuba, March 2014

Co-Chair, First Annual Louisiana Tech University College of Business Analytics Day, Shreveport LA, Jan 2014

Scientific Committee, V Taller Latino Iberoamericano de Investigación de Operaciones, Acapulco United Kingdom, Dec 2013

Chair, 1<sup>st</sup> SASA Doctoral Student Colloquium, South African Statistical Association Annual Conference, Polokwane South Africa, Nov 2013

Scientific Committee, 4<sup>th</sup> International Mathematics Association Conference on Mathematics in Sport, Leuven Belgium, June 2013

Program Committee, 10<sup>th</sup> International Conference on Operations Research, Havana Cuba, Feb 2012

Scientific Committee, International Conference on Decision Modeling 2011, Kedah Malaysia, Nov 2011

Program Chair, 1<sup>st</sup> International Conference for Health Statistics in the Pacific Islands, Suva Fiji, July 2011

Scientific Committee, 3<sup>rd</sup> International Mathematics Association Conference on Mathematics in Sport, Salford, Manchester, UK June 2011

Advisory Committee, 43<sup>rd</sup> Annual Conference of the Operations Research Society of India & International Conference on Operations Research for Urban and Rural Development, Madurai India, Dec 2010

Co-Organizer & co-Chair, ALIO/INFORMS Teaching Effectiveness Colloquium, Joint Latin-Ibero-American Biannual Conference on Operations Research (XIV CLAIO)/INFORMS Conference, Buenos Aires Argentina, June 2010

Organizing Committee, ORPA 5, Dakar Senegal, March 2010

Program Committee, 9<sup>th</sup> International Conference on Operations Research, Havana Cuba, Feb 2010

Advisory Committee, 8<sup>th</sup> Triennial Meeting of the Association of Asia-Pacific Operational Research Societies, Jaipur India, Dec 2009

Organizer & Chair, 1<sup>st</sup> APORS/INFORMS/IFORS Joint Teaching Effectiveness Colloquium, 8<sup>th</sup> Triennial Meeting of the Association of Asia-Pacific Operational Research Societies, Jaipur India, Dec 2009

Organizer & Chair, 2<sup>nd</sup> ALIO/INFORMS/IFORS/EURO Joint Teaching Effectiveness Colloquium, 2008 Latin-Ibero-American Conference on Operations Research (XIV CLAIO), Cartagena de Indias Colombia, Sept 2008

Scientific Committee, 2008 Joint Pre-Olympic Congress on Sports Science and Engineering, International Association of Computer Science in Sport, Nanjing China, Aug 2008

Organizer & Chair, 1<sup>st</sup> ORPA/INFORMS/IFORS/EURO Joint Teaching Effectiveness Colloquium, 2007  
Operations Research Practice in Africa (ORPA)/Operations Research Society of South Africa (ORSSA)  
Conference, Cape Town South Africa, Sept 2007

Organizer & Chair, 1<sup>st</sup> ALIO/INFORMS/IFORS/EURO Joint Teaching Effectiveness Colloquium, 2006  
Latin-Ibero-American Conference on Operations Research (XIII CLAIO), Montevideo Uruguay, Nov  
2006

General Chair, INFORMS National Meeting 2005, San Francisco CA, Nov 2005

Chair, INFORMS Combined Colloquia, Miami FL, Nov 2001

Invited Cluster Chair, Education in OR/MS, INFORMS International Meeting, Maui HI, June 2001

Sponsored Cluster Chair, Education in OR/MS, INFORMS National Meeting, San Antonio TX, Nov 2000

Pedagogical Development Chair, INFORMS National Meeting, Salt Lake City UT, May 2000

Chair, 2<sup>nd</sup> INFORMS Teaching Effectiveness Colloquium, INFORMS National Meeting, Salt Lake City  
UT, May 2000

Sponsored Cluster Chair, Education in OR/MS, INFORMS National Meeting, Salt Lake City UT, May  
2000

Sponsored Cluster Chair, Education in OR/MS, INFORMS National Meeting, Philadelphia PA, Nov  
1999

Pedagogical Development Chair, INFORMS National Meeting, Cincinnati OH, May 1999

Organizer, 1<sup>st</sup> INFORMS Teaching Effectiveness Colloquium, INFORMS National Meeting, Cincinnati  
OH, April 1999

Sponsored Cluster Chair, Education in OR/MS, INFORMS National Meeting, Cincinnati OH, May 1999

Invited Cluster Chair, Novel Applications of Statistics in Industry, INFORMS National Meeting, Cincinnati  
OH, May 1999

Invited Cluster Chair, ORMS in Sports & Games, INFORMS National Meeting, Cincinnati OH, May 1999

### **Committees**

INFORMS Practice Section Board, 2022-present.

Edelman Gala Committee, 2022-present.

*INFORMS/Springer Book Series* Editor Search Committee, 2020-2021

*INFORMS Analytics Collections* Editorial Board, 2020-present

*Operations Research Review* Committee, 2020

INFORMS Wagner Award Committee 2020-present (Vice Chair, 2022; Chair, 2023-2024)

INFORMS Publications Committee, 2006-2013 and 2019-present

INFORMS Industry/Academic Collaboration Committee, 2019-present

INFORMS Magazine Editorial Advisory Board, 2019-present (Chair, 2019-present)

INFORMS Analytics Career Path Committee, 2019-present

International Statistics Institute Sports Statistics Committee, 2019-present

ASA Founders Award Committee, 2018-2019

INFORMS Case Competition Committee, 1999-2008 (Founding Chair, 1999-2000), 2018-2019 (Chair 2019)

INFORMS Committee on Teaching and Learning, 2018-present

Subject Matter Expert, INFORMS Certified Analytics Professional Preparation Course Review Team, 2018-present

INFORMS MAPD Committee (Founding Chair), 2017-2021

*INFORMS Transactions on Education* Editor Review Committee (Chair), 2017-18

ASA Committee on Scientific Freedom and Human Rights, 2016-2021

Committee on ASA Archives and Historical Materials, 2016-2018

*ORMS Today* and *Analytics Committee*, 2015-2019 (Chair, 2015-2019)

INFORMS Marketing, Communications, & Outreach Committee, 2015-2017

Ad Hoc Committee on Pro Bono Analytics, 2015-present

Ad Hoc Committee on INFORMS Education Functions, 2013

IFORS Education and Teaching Materials Committee, 2011-present

American Statistical Association Survey Review Committee, 2011-2016

INFORMS Information Technology Committee, 2011-2012

INFORMS Public Awareness Committee, 2009-2011

INFORMS Doing Good with Good OR Student Competition Committee, 2009-2011 (co-Chair, 2009)

INFORMS Prize for Teaching OR Practice 2009-10 (Chair, 2010)

INFORMS President's Initiatives Committee, 2007-2008

*Marketing Science* Editor-in-Chief Search Committee, 2007

INFORMS Diversity Committee, 2006-2008

*Mathematics in Operations Research* Editorial Review Committee, 2006

ASA Council of Sections Fiscal Oversight Committee, 2006-08

INFORMS' Katrina Relief Fund Drive, 2005 (Chair)

INFORMS Combined Colloquia Committee, 2000-2008 (Founding Chair)

International Statistics Institute Sports Statistics Committee, 2004-2009

*INFORMS Transactions on Education* Editorial Review Committee, 2003

INFORMS Teach the Teachers, 2002-present

INFORMS Marketing Strategy Committee, 2001-2007 (Chair 2007)

INFORMS Student Affairs Committee, 2001-2009

INFORMS Student Chapters Subcommittee, 2002-05

INFORMS Education Strategy Committee, 1997-2005, 2007-2008 (Chair 2008)

INFORMS Chapters/FORA Committee, 2001-2005

INFORMS Cases and Teaching Materials Committee, 2000-2007

DSI Innovative Education Committee, 1999-2001

INFORMS Student Union Launch Team, 1997-98

**Offices in Professional Organizations**

Past Chair, Statisticians without Borders, 2010-2012

Communications Officer, Council of Chapters Governing Board, 2010-2013

Co-Chair, Friends of Australasia, 2010-2014

Co-Founder and Co-Chair, Statisticians without Borders, 2008-2010

Director, Operational Research Practice in Africa (ORPA), North American branch, 2007-present

Founding Chair, INFORMS/IFORS/EURO International Education Initiative, 2005-present

Advisory Board, INFORMS Summer Workshop on Teaching Management Science, 2003-2008

Founding Chair, OR in SpORts section of INFORMS, 2004-2008

ASA Council of Sections Representative, 2005-2007

Vice President, INFORMS Junior Faculty Interest Group, 2005-2007

Chair, ASA Statistics in Sports Section, 2004

President, INFORM-ED (INFORMS' Educational Forum), 2001-2005

Vice President-Projects, INFORM-ED, 2000-2001

Vice President-Programs, INFORM-ED, 1998-2000

Vice President, University of Cincinnati Chapter of Omega Rho, 1996-1997

Executive Committee, INFORMS Cincinnati/Dayton Chapter, 1995-1996

Secretary, University of Cincinnati Chapter of Omega Rho, 1995-1996

Treasurer, University of Cincinnati Chapter of Omega Rho, 1994-1995

**Plenary, Keynote, Invited, and Sponsored Session Organization**

Chair, Refugee Risks, Joint Statistical Meetings, Nashville TN, Aug 2025

Organizer and Chair, In Memory of Katherine Wallman, Joint Statistical Meetings, Nashville TN, Aug 2025

Discussant, Increasing Opportunities and Strengthening Achievements of Women in Statistics by Embracing Diversity, Equity, and Inclusion, 65th ISI World Statistics Congress, The Hague The Netherlands, Oct 2025

Invited Session Organizer, Wagner Award Winner Reprise, INFORMS Analytics Meeting, Indianapolis IN, April 2025

Session Organizer, Wagner Award Finals, INFORMS National Meeting, Seattle, Oct 2024

Late Breaking Session Organizer and Chair, Dealing with the Challenges of Data Collection in the Context of Recent Conflicts, Joint Statistical Meetings, Portland OR, Aug 2024 (with Mulugeta Gebregziabher)

Invited Session Organizer, Wagner Award Winner Reprise, INFORMS Analytics Meeting, Orlando FL, April 2024



Session Organizer, Mathematics and Statistics, SLIIT (Sri Lanka Institute of Information Technology) International Conference on Advancement in Sciences & Humanities 2023, Colombo Sri Lanka, Dec 2023

Session Organizer, Wagner Award Finals, INFORMS National Meeting, Phoenix AZ, Oct 2023

Keynote Session Organizer, Wagner Award Winner Reprise, INFORMS National Meeting, Phoenix AZ, Oct 2023

Session Organizer, In Memory of Judith Liebman, INFORMS National Meeting, Phoenix AZ, Oct 2023

Session Co-organizer (with Robin Mejia) and Chair, Statistics at the Border: Migration, Detention, and Assimilation — Invited Panel, Joint Statistical Meetings, Philadelphia PA, Aug 2020 (virtual)

Session Co-organizer (with Martin S. Levy) and Chair, What should be the Role of Collaboration/Consulting for Applied Statistical Faculty Members in Academia: Rewards and Punishments, Joint Statistical Meetings, Vancouver BC, Aug 2018

Session Co-organizer (with Wendy Martinez) and Chair, Establishing and Maintaining Public Confidence in Official Statistics, Joint Statistical Meetings, Vancouver BC, Aug 2018

Late Breaking Session Organizer and Chair, National Governments, Coerced Narratives, Creative Language, and Alternative Facts, Joint Statistical Meetings, Baltimore MD, July 2017

Invited Session Organizer and Chair, The Impact of Statistics on Government Policy, Joint Statistical Meetings, Baltimore MD, July 2017

Session Co-Coordinator, Nimble Survey Methodology in Addressing Humanitarian Emergencies 2, The 6<sup>th</sup> Conference of the European Survey Research, Reykjavik Iceland, July 2015

ASA Presidents Roundtable Breakfast Chair, Joint Statistical Meetings, Boston MA, Aug 2014

Invited Session Chair, SpORts - Analysis of Data and Strategies I, INFORMS National Meeting, Minneapolis, MN, Oct 2013

Invited Session Chair, SpORts - Analysis of Data and Strategies II, INFORMS National Meeting, Minneapolis, MN, Oct 2013

Invited Session Chair, Creative Techniques for OR/MS Education, INFORMS National Meeting, Minneapolis, MN, Oct 2013

Invited Session Chair, Feature Articles from Recent Issues of INFORMS Transactions on Education (ITE) and Discussion of the ITE Review & Publication Process, INFORMS National Meeting, Phoenix, AZ, Oct 2012

Invited Session Chair, In Memoriam: Paul Jensen's Influence on OR Pedagogy, INFORMS National Meeting, Charlotte, NC, Nov 2011

Late-Breaking Session Organizer and Chair: Statistics Without Borders Post-Earthquake Efforts in Haiti, Joint Statistical Meetings, Vancouver BC, Aug 2010

Invited Session Chair, In Memoriam: Mike Rothkopf's Influence on OR Pedagogy, INFORMS National Meeting, Washington, D.C., Oct 2008

Invited Session Chair, In Memoriam: Rick Rosenthal's Influence on OR Pedagogy, INFORMS National Meeting, Washington, D.C., Oct 2008

Invited Session Chair, Home Field Advantage in Sports, Joint Statistical Meetings, Denver CO, Aug 2008

Invited Session Chair, Decision Analysis in Sports I, Southwest Regional Meeting, College Station TX, April 2008

Invited Session Chair, Novel Approaches to OR Education, Southwest Regional Meeting, College Station TX, April 2008

Invited Panel Chair, A Panel Discussion on Teaching OR/MS with a Data and Modeling Focus - Different Cultural Perspectives, Southwest Regional Meeting, College Station TX, April 2008

Contributed Session Chair, Interesting Statistical Applications, Joint Statistical Meetings, Salt Lake City UT, July 2007

Invited Session Chair, Planning, Designing, & Preparing a New Course - An Interactive Panel/ Audience Discussion on Designing Courses, INFORMS National Meeting, Pittsburgh PA, Nov 2006

Invited Session Chair, Cases and Interactive Games for OR Education, EURO XXI Meeting, Reykjavik, Iceland, July 2006

Invited Session Chair, Sports in OR II, EURO XXI Meeting, Reykjavik, Iceland, July 2006

Plenary Session Chair, Mathematical Heroics: Working with *Numb3rs* with Gary A. Lorden, INFORMS National Meeting 2005, San Francisco CA, Nov 2005

Keynote Session Chair, George B. Dantzig: An Unfinished Biography INFORMS National Meeting 2005, San Francisco CA, Nov 2005

Chair, Big Can Be Beautiful: O.R. in a Large Class, keynote session, Erhan Erkut, INFORMS National Meeting 2005, San Francisco CA, Nov 2005

Sponsored Session Chair, SpORts in the OR Classroom I, II, & III, INFORMS National Meeting, Denver CO, Oct 2004

Sponsored Session Chair, The Changing Accreditation Environment and its Impact on OR/MS, INFORMS National Meeting, San Jose CA, Nov 2002

Contributed Session Chair, Some Problems in Bayesian Inference, Joint Statistical Meetings, New York NY, Aug 2002

Invited Session Chair and Moderator, Panel Discussion: Designs for GLMs: Present and Future Direction, Conference on Designs for Generalized Linear Models, Gaithersburg MD, April 2002

Invited Session Chair, Integer Programming Models & Applications, INFORMS National Meeting, Miami FL, Nov 2001

Sponsored Session Chair, Supporting Handicapped Students in the OR/MS Classroom, INFORMS National Meeting, San Antonio TX, Nov 2000

Sponsored Session Chair, Strategies for Dealing with Difficult Situations in the OR/MS Classroom, INFORMS National Meeting, San Antonio TX, Nov 2000

Sponsored Session Chair, Simulation, Modeling, and Sampling in Sports, Joint Statistical Meetings, Indianapolis IN, May 2000

Sponsored Session Chair, Tools for Undergraduate OR/MS Education, INFORMS National Meeting, Salt Lake City UT, May 2000

Organizer & Chair, First INFORMS Education Plenary Speaker (Utah Governor Mike Leavitt), INFORMS National Meeting, Salt Lake City UT, May 2000

Sponsored Session Chair, Integrating OR/MS & Finance in the Classroom, INFORMS National Meeting, Philadelphia PA, Nov 1999

Sponsored Session Chair, Soft OR and Education, INFORMS National Meeting, Philadelphia PA, Nov 1999

Sponsored Session Chair, INFORMS' First Case Competition: An Introduction to the Competition Rules, INFORMS National Meeting, Philadelphia PA, Nov 1999

Sponsored Session Chair, Issues in Establishing & Maintaining an Academic Program in Supply Chain Management, INFORMS National Meeting, Cincinnati OH, May 1999

Invited Session Chair, Teaching, Cases, and Learning, INFORMS National Meeting, Seattle WA, Oct 1998

Invited Session Chair, Marketing IV, INFORMS National Meeting, Seattle WA, Oct 1998

Discussant, Neural Networks Session, National Meeting of the Decision Sciences Institute, Orlando FL, Nov 1996

Contributed Session Chair, Sports Applications, TIMS/ORSA National Meeting, Los Angeles CA, April 1986

Contributed Session Chair, Computer Science: MIS/DSS Session, TIMS/ORSA National Meeting, Los Angeles CA, April 1986

Invited Session Discussant, Experimental Design Session, Southeast TIMS/ORSA Regional Meeting, Myrtle Beach SC, Oct 1984

### **Webinars, Podcasts, and Internet Interviews**

Modeling Zoonotic Transfers, *Resoundingly Human*, INFORMS Podcast series, Oct 2018

Bats and the Next Pandemic (with Ryan McNeill), *Stats + Stories*, Oct 2024

Treating Patients During a Civil War (with Mulugeta Gebregziabher), *Stats + Stories*, July 2024

Giving Back with Analytics, *Resoundingly Human*, INFORMS Podcast series, Oct 2023

It's Alive! Frankenstein for President, Statistical Society of Australia, Oct 2020

Bahrain Call for Action Webinar, INFORMS Bahrain International Group, Aug 2020

Got Analytics? Cengage Webinar Series, Feb 2019

Interview with Dr. James Cochran, 2018 INFORMS President's Award Winner, Nov 2018

INFORMS Analytics Body of Knowledge, *Resoundingly Human*, INFORMS Podcast series, Oct 2018

Active Learning to Engage Students in Statistics, Operations Research, and Applied Mathematics, a K-12 Statistics Education Webinar, March 26, 2014

Integrating Analytics into your Business Statistics Course (with J.D. Camm), *Cengage*, Feb 11 & 21, 2014

Sports & Analytics - Interview with Jim Cochran, Former Chairman Sport Division, Oct 7, 2014

Editor James J. Cochran discusses the Wiley Encyclopedia of Operations Research and Management Science, *Statistics Views*, Oct 3, 2013

Editor James J. Cochran discusses the Wiley Series in Operations Research and Management Science, *Statistics Views*, Oct 3, 2013

Active Learning to Engage Students in Statistics, Operations Research, and Applied Mathematics, a K-12 Statistics Education Webinar, May 9, 2013

Running the Numbers in time for the World Series, *Science of Better: Crunching the Numbers Podcast Series*, Oct 23, 2009

## Miscellaneous

Judge, 2023 IFORS Prize for OR in Development, IFORS2023, Santiago Chile, July 2023

Judge, INFORMS Case Competition 2001, INFORMS National Meeting, Phoenix AZ, Nov 2018

Faculty Advisor, University of Alabama Sports Analytics Club, 2017-present

Academic Referee, Sloan Sports Analytics Conference Research Papers Competition, 2016-18

Judge, Junior Faculty Interest Group (JFIG) Paper Competition, 2014-2015

Judge, CORS Student Paper Competition, 2013

Judge, Doing Good with Good OR Student Competition, 2009-2011

Sponsored Contest Chair, 'INFORMS Case Competition 2000,' INFORMS National Meeting, San Antonio TX, Nov 2000

Faculty Advisor, ASA Northern Louisiana/Southern Arkansas Student Chapter, 2006-present

Faculty Advisor, INFORMS Northern Louisiana/Southern Arkansas Student Chapter, 2006-present

Judge, INFORMS Case Competition 2001, INFORMS National Meeting, Miami FL, Nov 2001

Organizer, Judge, and Sponsored Contest Chair, INFORMS Case Competition 2000, INFORMS National Meeting, San Antonio TX, Nov 2000

Organizer, Cincinnati Reds outing, INFORMS National Meeting, Cincinnati OH, May 1999

Faculty Advisor, Miami University Decision Science Minors, 1998-1999

Faculty Adviser, Wright State University Economics Club and Omicron Delta Epsilon Chapter, 1985-1987

## Editorial Activities

### Book Series and Encyclopedias

Founding Editor, *Springer Nature Operations Research and Management Science Series*, 2023-present

Founding Editor in Chief, *INFORMS' Analytics Body of Knowledge*, 2016-present.

Founding Editor, *Wiley Series in Operations Research and Management Science*, 2011-2021

Founding Editor, *Wiley Essentials in Operations Research and Management Science*, 2011-2021

Founding Editor-in-Chief, *Wiley Encyclopedia of Operations Research and Management Science*, John Wiley & Sons, Inc., 2007-2021

### Journals

Member of the Advisory Board, *Nigeria Academy of Science*, 2022-present

Member of the Advisory Board, *Journal of Business Management Research and Innovation*, 2021-present

Member of the Editorial Board, *INFORMS Editor's Cut*, 2021-present

Member of the Editorial Advisory Board, *Springer Nature Operations Research Forum*, 2019-present

Member of the Editorial Advisory Board, *Croatian Operational Research Review*, 2017-present

Member of the Editorial Advisory Board, *Journal of Nepal Mathematical Society*, 2017-present

Functional Editor-Humanitarian Applications, *Interfaces*, 2016-present

Member of the Editorial Advisory Board, *Institute of Operational Research and Management Science of Nigeria Journal*, 2016-Present.

Member of the Editorial Advisory Board, *Croatian Review of Economic, Business and Social Statistics*, 2015-Present

Member of the Editorial Board, *Biometrics & Biostatistics International Journal*, 2015-present

Member of the Editorial Board, *Management Review: An International Journal*, 2014-present

ASA representative on the Editorial Board, *Significance*, 2014-present (Vice-Chair, 2017)

Member of Advisory Board, *International Journal of Operations Research/Nepal*, 2013-present

Member of the Editorial Board, *Afrika Statistika*, 2013-present

Associate Editor, *International Transactions in Operational Research*, 2013-present

Advisory Editor, *Surveys in Operations Research and Management Science*, 2011-present

Member of Editorial Board, *The Operations Research Society of Eastern Africa Journal*, 2009-present

Member of Advisory Board, *The Open Statistics and Probability Journal*, 2007-present

Associate Editor and member of Advisory Board, *INFORMS Transactions on Education*, 1999-2007 and 2013-present

Associate Editor and member of Advisory Board, *Journal of Quantitative Analysis in Sports*, 2005-present

Member of the Editorial Board, *International Journal of Business Analytics*, 2013-2018

Functional Editor-Novel Applications, *Interfaces*, 2004-2016

Member of Editorial Board, *International Journal of Sports Science and Coaching*, 2013-2015

Associate Editor, *International Journal of Sports Science and Engineering*, 2007-2014

Editor-in-Chief, *INFORMS Transactions on Education*, 2007-2012

Associate Editor and member of Editorial Board, *Operations Management Education Review*, 2003-2008

Founding Editor, The Education Corner column, *IFORS Newsletter*, 2005-2007

Guest Editor, *INFORMS Transactions on Education* special issue 'Sports in the ORMS Classroom,' 5(1), Sept 2004

Referee of manuscripts for

*Journal of the American Statistical Association*

*Management Science*

*Interfaces*

*Transactions on Engineering Management*

*International Transactions in Operations Research*

*The Journal of Marketing Research*

*The Journal of Quantitative Analysis in Sports*

*Information and Management Sciences Journal*

*The Journal of Sports Sciences*

*Operations Research*

*The American Statistician*

*Marketing Science*

*Journal of Business and Economic Statistics*

*Computers and Operations Research*

*The Journal of Statistics Education*

*The Journal of Forecasting*

*Database*

*Omega*

*Decision Support Systems*  
*Decision Sciences*  
*The Open Statistics and Probability Journal*  
*Computers and Mathematics with Applications*  
*The International Journal of Sports Science & Engineering*  
*International Journal of Sports Science and Coaching*  
*Journal of Data Analysis and Information Processing*  
*Studies in Sociology of Science*  
*Journal of Applied Statistics*  
*International Transactions in Operational Research*  
*American Journal of Mathematical and Management Sciences*  
  
*International Transactions in Operational Research*  
*Afrika Statistika*  
*Journal of Computer Science*  
*Patient Education and Counseling*  
*International Transactions in Operational Research*  
*Physica A: Statistical Mechanics and its Applications*  
*Journal of Strategic Innovation and Sustainability*  
*Journal of Sports Economics*  
*Springer Nature Operations Research Forum*  
*Modelling*  
*Processes*  
*Mathematics*  
*International Journal of Logistics Systems and Management*  
*Journal of Statistics Applications & Probability*  
*Statistics, Optimization & Information Computing*  
*Journal of Mathematical Biology*  
*Mathematical Social Sciences*

*The Journal of International Marketing*  
*Operations Management Education Review*  
*The Open Operational Research Journal*  
*Contemporary Economic Policy*  
*African Journal of Political Science & International Relations*  
*Naval Research Logistics*  
*Journal of Simulation*  
*IMA Journal of Management Mathematics*  
*African Journal of Business Management*  
*Baltic Journal of Management*  
*International Journal of Health Policy and Management*  
  
*Journal of Mathematics and Statistics*  
*American Journal of Applied Sciences*  
*Journal of Appalachian Studies*  
*PLOS ONE*  
*Representation*  
*Hydrological Sciences Journal*  
*Systems Research and Behavioral Science*  
*Journal of Mathematics and Statistics*  
*Computational Statistics and Data Analysis*  
*Academia Letters*  
*Risk Analysis*  
*Statistics and Public Policy*  
*International Journal of Environmental Research and Public Health*  
*Axioms*  
*Journal of Mathematics*  
*The Mathematics of Computation*  
*Journal of Statistical Physics*

#### **Other**

Member of Editorial Board, IFORS Education Program Website, 2010-present

Associate Editor and member of Advisory Board, *INFORMS Case and Teaching Materials Collection*, 2003-2007

### **Interviews and Media Citations**

As Gaza Suffers, Hunger Watchdog Refrains from Using the F Word: Famine, *Reuters*, Lena Masri, Amina Ismail, and Jackie Botts, Dec 30, 2024.

How Reuters Counted the Dead in Famine-Stricken Sudan, *Reuters*, Ryan McNeill, Raymon Troncoso, and Maggie Michael, Dec 5, 2024.

The World's Hunger Watchdog Warned of Catastrophe in Sudan. Famine Struck Anyway. *Reuters*, Clare Farley, Mariano Zafra, Ryan McNeill, Maggie Michael, Lena Masri, Deborah Nelson, and Raymon Troncoso, Dec 5, 2024.

An Elaborate Global System Exists to Prevent Famine. It's Failing. *Reuters*, Lena Masri, Deborah Nelson, Maggie Michael, Steve Stecklow, Ryan McNeill, Jaimi Dowdell, and Benjamin Lesser, Dec 4, 2024.

Sudan's Cemeteries Swell with Fresh Graves As Hunger and Disease Spread, *Reuters*, Ryan McNeill, Maggie Michael, and Reade Levinson, June 20, 2024.

Hurricane Helene exposes FEMA assistance gap in Appalachian areas, *Reuters*, Andy Sullivan, Grant Smith, and Simon Jessop, Oct 4, 2024.

Sudan's Cemeteries Swell with Fresh Graves as Hunger and Disease Spread, *Reuters*, Ryan McNeill, Maggie Michael and Reade Levinson, June 20, 2024.

ASA Founder and Fellow James J. Cochran Receives the American Society for Quality's 2023 William G. Hunter Award, *AMSTAT News*, July 2024.

Unexpected Demopolis Lock Closure Slows Water Traffic Along Tennessee-Tombigbee Waterway, WIAT CBS 42 News, Jen Cardone, Feb 12, 2024.

A Life to Enlighten Us: Remembering C. R. Rao, 1920–2023, *Significance* 20(6), Cathleen O'Grady, Dec 2023.

Nipah Virus Outbreak Renews Calls to Protect Bat Roosts, *Reuters*, Sreekanth Sivadasan, Rupam Jain, Deborah J. Nelson, and Ryan McNeill, Oct. 30, 2023.

Navigating Potential Layoffs Amid Economic Uncertainty, WBRC Fox 6 News, Brittany Dionne, Sept 25, 2023.

The Slaughter of El Geneina: How Arab fighters carried out a rolling ethnic massacre in Sudan, *Reuters*, Maggie Michael and Ryan McNeill, Sept 22, 2023.

Tuscaloosa Business Relies on Football Season, *The Crimson White*, Ava Morthland, Sept 20, 2023.

The Impact of the Debt Ceiling on Your Finances, WBRC Fox 6 News, Brittany Dionne, June 12, 2023.

Concerns Ahead of Student Loan Payments Resuming, WBRC Fox 6 News, Brittany Dionne, June 7, 2023.

The Bat Lands Part 1: The World's Bat Lands are Under Attack, Seeding Risk of a New Pandemic. Here's Where, *Reuters*, Ryan McNeill, Helen Reid, Allison Martell, Cooper Inveen, Deborah J. Nelson, Matthew Green, and Michael Ovaska, May 16, 2023.

The Bat Lands Part 2: How a Deadly Bat Virus Found New Ways to Infect People, *Reuters*, Deborah J. Nelson, Ryan McNeill, Sreekanth Sivadasan, Allison Martell, Ruma Paul, Andrew R.C. Marshall, and Adolfo Arranz, May 16, 2023.

The Bat Lands Part 3: China, Birthplace of the COVID Pandemic, is Laying Tracks for Another Global Health Crisis, *Reuters*, Ryan McNeill, Deborah J. Nelson, Allison Martell, and Michael Ovaska, May 16, 2023.

The Bat Lands Part 4: Deep in the Amazon, Scientists Race Against Time to Identify Unknown Pathogens, *Reuters*, Jake Spring, Grant Smith, Ryan McNeill, Allison Martell, Adolfo Arranz, and Prasanta Kumar Dutta, May 16, 2023.

How Reuters Identified Bat-Virus Risk Zones: Using What We Know About Conditions that Help Viruses Jump from Bats to Humans, We Conducted a Global Data Analysis to Predict Where Outbreaks are Likely to Happen, *Reuters*, Ryan McNeill, Allison Martell, and Grant Smith, May 16, 2023.

Rebates for Alabama, WBRC Fox 6 News, Brittany Dionne, Oct 3, 2022.

Inflation, Pandemic Force Homewood Bakery to Close After Nearly 13 Years, WIAT CBS 42 News, Jen Cardone, Aug 12, 2022.

Summer and Inflation Increases Demand on Food Banks in West Alabama, WIAT CBS 42 News, Jen Cardone, June 20, 2022.

UA Expert Answers: Why are Gas Prices Rising in Alabama? How high will they go? What can we do? *The Bama Buzz*, Pat Byington, June 10, 2022.

Fast-Food Prices on the Rise, CBS Radio Network, Stephan Kaufman, Apr 25, 2022.

Precios de Comida Rápida Sufren Mayor Aumento en 41 Años, Nexstar Media Wire, Jen Cardone, Apr 20, 2022.

Fast-Food Prices Hit Highest 12-Month Increase in 41 Years, WIAT CBS 42 News/Nexstar Media Wire, Jen Cardone, Apr 18, 2022.

Update on Supply Chain Disruption, Brittany Dionne, WBRC FOX6 News, March 14, 2022

Study Shows More Families are Living Paycheck to Paycheck, WBRC Fox 6 News, Brittany Dionne, March 9, 2022.

As Gas Prices Rise, Expect to Pay More Elsewhere, too, Gracie Johnson, WVUA 23 News, March 8, 2022.

The Russian Invasion of Ukraine and Gas Prices, A'Leeyah Ponder, WVUA 23 News, Feb 28, 2022.

Impact of the Russian Invasion of Ukraine on US Markets, Pam Huff, WBMA ABC 33/40, February 24, 2022.

The Potential Impact of the Russian Invasion of Ukraine on Gas Prices, Autumn Bracey, WIAT CBS 42 News, Feb 22, 2022.

Exclusive: U.S. Diabetes Deaths top 100,000 for Second Straight Year, Chad Terhune and Robin Respaut, *Reuters*, Jan 31, 2022.

SLIIT Annual Research Conference 'SICASH 2021' showcases thought-provoking research and sharing of best practices, *The Sunday Times*. Dec 26, 2021.

SLIIT Annual Research Conference 'SICASH 2021' Showcases Thought-Provoking Research and Sharing of Best Practices, *Lanka Business News*, Dec 15, 2021.

Extremists Target African Village Leaders in Wave of Assassinations, Edward Mcallister and Lena Masri, *Reuters*, Oct 8, 2021.

Tracking Incarcerated Individual Mortality in Local Jails, Peter Eisler and Grant Smith, *American Journal of Public Health*, July. 2021, Suppl 2, S63–S64.

Special Report: How Trump Administration Left Indelible Mark on U.S. Immigration Courts, Reade Levinson, Kristina Cooke, and Mica Rosenberg, *Reuters*, March 8, 2021.

Special Report: U.S. Regulators Ignored Workers' COVID-19 Safety Complaints Amid Deadly Outbreaks, Chris Kirkham and Benjamin Lesser, *Reuters*, Jan 6, 2021.

Color of Suspicion: Challenging Police Violence ... While Black, Andrea Januta, Andrew Chung, Jaimi Dowdell, and Lawrence Hurley, *Reuters*, Dec 23, 2020



Dueling Rights: When Cops and America's Cherished Gun Rights Clash, Cops Win, Lawrence Hurley, Andrew Chung, and Andrea Januta, *Reuters*, Nov 20, 2020

Dying Inside: The Hidden Crisis in America's Jails, Jason Szep, Ned Parker, Linda So, Peter Eisler, and Grant Smith, *Reuters*, Oct 26, 2020.

Wrong Place, Wrong Time: Shot by Cops, Thwarted by Judges and Geography, Andrew Chung, Lawrence Hurley, Andrea Januta, Jackie Botts, and Guillermo Gomez, *Reuters*, Aug 25, 2020

The Neighborhoods where COVID Collides with Overcrowded Homes, Jackie Botts and Lo Bénichou, *Reuters*, June 12, 2020.

Alabama's Automotive Industry Revs Up, Alex Irwin-Hunt, *fDi Magazine*, June 2020.

Alabama's Manufacturing Prowess, in Where is Global Business Heading, Alex Irwin-Hunt, *fDi Magazine*, June 2020.

For Cops who Kill, Special Supreme Court Protection, Andrew Chung, Lawrence Hurley, Jackie Botts, Andrea Januta, and Guillermo Gomez, *Reuters*, May 8, 2020.

Mapping Covid-19 Outbreaks in the Food System, Leah Douglas, *Food and Environment Reporting Network*, Apr 22, 2020.

Introducing Statistics in Schools, Christina John, *Grenada Broadcast Network News*, Dec 12, 2019.

Ask the Experts, *WalletHub*, October 23, 2019.

Culverhouse Associate Dean for Research Develops Program for Mongolia, *Executive*, June 2019.

INFORMS ABOK is No. 2 on List of Best Books to Read this Year, *Analytics News*, Jan 22, 2019.

Cochran Presented 2018 President's Award, Pete Horner, *ORMS Today*, Vol 45, No 6, Dec 2018

Alabama Players, Fans Welcome Another National Title, Stephen Quinn, *ABC 33/40*, Jan 9, 2018.

Don't Let Congress Freeze Your Credit This Holiday Season, Jared Whitley, *The Weekly Standard*, Dec 5, 2017.

Elizabeth Warren's Plan to Make Credit Freezes Free Verges Nonsensical, Peter Ferrara, *The Observer*, Dec 4, 2017.

Bill Overreaches in Equifax Mess, Natalie Bao Tram Le, *The Boston Herald*, Dec 2, 2017.

Will a Nation Full of Credit Freezes Freeze the Economy? *U.S. News & World Report*, Sept 22, 2017.

*ESPN the Classroom*, Nov 26, 2016.

Arlington finds Identity in \$500 Million Ballpark Deal, John Austin, *Community Newspaper Holdings*, June 10, 2016.

Consumer Statistics: Education, Research and Business Innovation Week in Mongolia, *National Registration and General Statistics Office of Mongolia*, May 26, 2016.

Teachers and Students Studying Statistical Methods for Predicting and Planning, D. Ölziisaikhan, *MGLRadio Television*, May 25, 2016.

Teachers and Students to Studying Statistical Methods for Predicting and Planning, D. Ölziisaikhan, *Mongolian News Agency*, May 25, 2016.

Applied Statistics Department Organizing Workshop on Training, Research and Business Innovation, *National Registration and General Statistics Office of Mongolia*, May 24, 2016.

Texas Rangers Just the Latest Team Looking for Public Help to Build a New Stadium, Geoff Baker, *The Seattle Times*, May 22, 2016

Learn how to Conduct Research in Extreme Locations at Missouri S&T, *The Rolla Daily News*, Oct 10, 2015

Stronger Gun Laws are Linked with Fewer Gun Deaths — to a Point, Sergio Hernandez and Huizhong Wu, *Mashable*, Oct 10, 2015

Flawed but Effective: Surgeon Scorecard Prompts Discussion - Bend Medical Market Demonstrates Limitations of Data, Kathleen McLaughlin, *The Bulletin*, Aug 13, 2015

Scott Walker Greenlights \$250 Million in Taxpayer Funds for NBA Arena, Angers Fiscal Conservatives, Seth McLaughlin, *The Washington Times*, Aug 11, 2015

Uncaged, David Scott and Nisreen Habbal, *Real Sports with Bryant Gumbel*, July 21, 2015

Review: 'Checking the Fact-Checkers in 2008: Predicting Political Ad Scrutiny and Assessing Consistency', *Zebra Fact Check*, Bryan W. White, Jan 29, 2015

Casualties in the War on Campus Rape? C.T. May, *Splice Today*, Dec 16, 2014

Supreme Court Has Become the Corporate Court, Not for People, Joan Biskupic, Janet Roberts, and John Shiffman, *Popular Resistance*, Dec 16, 2014

How would moving the Rays Impact Tampa Bay's Economy? Ian Malinowski, *SB Nation*, Dec 10, 2014

Analysing the Impact of the Supreme Court Bar, Janet Roberts, *Chicago Tribune*, Dec 8, 2014

The Echo Chamber: A Small Group of Lawyers and its Outsized Influence at the U.S. Supreme Court, Joan Biskupic, Janet Roberts, and John Shiffman, *Reuters*, Dec 8, 2014 (2015 Hillman Prize for Investigative Journalism in the Common Good, 2015 Goldsmith Prize for Investigative Journalism finalist, 2015 Pulitzer Prize in Explanatory Reporting finalist)

The College Rape Overcorrection, Emily Yoffe, *Slate*, Dec 7, 2014

Where the Money went: Judge Awarded the Most Lucrative Foreclosure Cases to Oheka Castle Owner and Associates, Sandra Peddie and Will Van Sant, *Newsday*, Nov 22, 2014

The Crystal Ball Says ..., Jeffrey Myers and Ron Wasserstein, *AMSTAT News*, Oct 2014

BAPS Workshop Held with JSM, Rebecca Nichols and Roxy Peck, *AMSTAT News*, Oct 2014

Many Honored at Presidential Address, Awards Ceremony, Megan Murphy, *AMSTAT News*, Oct 2014

Microsoft Begins a Push into the Polling World, Alan Schwarz, *New York Times*, Sept 29, 2014

Tech hosts Seminar Highlighting Business Analysis, Michele Marcotte, *Shreveport Times*, Jan. 10, 2014

Louisiana Tech to Discuss 'Big Data' with Ark-La-Tex Firms, Kate Archer Kent, *National Public Radio Digital Network*, Dec 17, 2013

Louisiana Tech Business Analytics Day, Kate Archer Kent, *Red River Radio and WWNO*, Dec 17 31, 2013

LA Tech Hosting Business Analytics Day, Nina Criscuolo, *Louisiana Living*, KARD, Dec 4, 2013

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