Leslie Hendrix

Clinical Associate Professor
Darla Moore School of Business
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Education

Ph.D. in Statistics, University of South Carolina, 2011
B.S. in Mathematics, University of South Carolina, 2005

Academic Positions and Background -

Clinical Assistant / Associate Professor - University of South Carolina, Management Science, 8/2017 - present
Instructor/ Senior Instructor – University of South Carolina, Department of Statistics, 8/2009-8/2017
Graduate Teaching Assistant - University of South Carolina, Department of Statistics, 8/05-5/2009

Scholarships and Awards

Garnet Apple Award for Innovative Teaching – University of South Carolina, 2017
John N. Gardner Inspirational Faculty Award – University of South Carolina, 2012
Best Oral Junior Presentation –Annual International Meeting of the Psychometric Society, 2010
Citizenship Award - Department of Statistics, University of South Carolina, 2008
Outstanding Graduate Instructional Assistant - Department of Statistics, University of South Carolina, 2006
Graduate School Fellowship – Graduate School, University of South Carolina, 2005-2009
Jeong S. Yang Award for Excellence in Undergraduate Mathematics, 2005

Statistical and Mathematical Software / Educational Technology

R and R Studio, Power BI, SAS, SPSS, Excel, BILOG-MG, Maple, Matlab, Minitab, OpenBUGS /WinBUGS, Blackboard, Canvas, i>clicker Cloud/REEF, Perusall, Code Grade

Research Interests

Machine Learning, Psychometrics - Item Response Theory, Posterior Predictive Model Checking, Multidimensional Testing Data Analysis, Markov Chain Monte Carlo
Statistical Education; Distributed Learning/Distance Education; Large Lecture Pedagogy

Publications

Roy, G., Eli, J., Hendrix, L. & Graul, L. (2018). Using History to Model with Mathematics: The German Tank Problem. *Mathematics Teaching in the Middle School*, *23*, 370-377.
Modern Business Analytics: Practical Data Science for Decision Making – Feb, 2022

Invited Talks

"Teaching R to Business Students: A Machine Learning Focus.", McGraw-Hill Summit, November 4, 2022
"Teaching R to Business Students: the Why and How.", McGraw-Hill Summit, October 1, 2021
"Teaching R to Business Students.", McGraw-Hill Summit, October 1, 2020
"iClicker Best Practices." University of Colorado Boulder, August 2, 2018.
"Using Canvas and iClicker to Solve Problems." Canvas Partner Day Webinar, October 10, 2018.
"Active Learning and Best Practices with REEF." i>Clicker national sales meeting, Austin, Tx., August 10, 2016.

"REEF Polling by i>Clicker Demo." BEST Institute 2016, University of South Carolina, August 17, 2016.
"Student Response Systems in Large Lectures." Faculty orientation, University of South Carolina, August 9, 2016.
"Clickers Go Mobile: REEF Polling by i>Clicker." Webcast, Campus Technology, April 16, 2015.
"REEF Polling and i>Clicker." Community of Practice for Coordinators of Large Undergraduate Courses Meeting, April 12, 2016.
"REEF Polling by i>Clicker Exploration." Webinar, i>Clicker, March 26, 2015.
"Solving Problems in a Large Lecture Class using i>Clicker." Webinar, i>Clicker, September 26, 2014.
"Respondus Lockdown Browser Why and How." BEST Institute 2014, University of South Carolina, August 18, 2014
"Academic Integrity, Awareness and Discussion." Departmental Colloquium, Statistics Department, University of South Carolina, September 6, 2011.
"Assessing Model Fit in IRT using PPMC Methodology without MCMC." Departmental Colloquium, Statistics Department, University of South Carolina, September 11, 2008.

Meeting Presentations

"Teaching R to Business Students: the Why and How." Decision Science Institute, November 19, 2021
"Experience with and Advice for Teaching Statistics and Analytics with Excel, R and Python." With Joan Donahue, Southeastern Decision Sciences Institute, February 21, 2019, Savannah, Ga.
"OpenBUGS for the Two- and Three-Parameter Logistic Models in Item Response Theory." With Brian Habing, American Educational Research Association, April 15, 2012, Vancouver, BC (Competitive Submission)
"Comparison of PPMC using the EM+E Method versus MCMC." With Brian Habing. Annual Meeting of the American Educational Research Association, April 9, 2011, New Orleans, La. (Competitive Submission – acceptance rate typically 60%)
"Comparison of the EM+E Method to MCMC including PPMC Checks." With Brian Habing. Annual Meeting of the National Council of Measurement in Education, April 9, 2011, New Orleans, La. (Competitive Submission)
"EM+E Method for Item Parameter Posterior Approximation and PPMC." With Brian Habing. Annual Meeting of the national Council of Measurement in Education, May 1, 2010, Denver, Co. (Competitive Submission)
"MCMC Estimation of the 3PL Model using a Multivariate Prior Distribution." With Brian Habing. Annual Meeting of the National Council of Measurement in Education, April 15, 2009, San Diego, Ca. (Competitive Submission)
"Assessing model fit in IRT using PPMC methodology without MCMC." With Brian Habing. Annual Meeting of the National Council on Measurement in Education, March 27, 2008, New York, NY. (Competitive Submission)
"Importance of Correlation Structure in Approximating the Posterior Distribution in IRT Model Fit." With Brian Habing. Annual Meeting of the National Council of Measurement in Education, March 28, 2008, New York, NY. (Competitive Submission)
"Detect Based Hypothesis Test for Unidimensionality." With Meng Wu and Brian Habing. Annual Meeting of the National Council on Measurement in Education, April 11, 2007, Chicago, Il. (Competitive Submission)

Selected Service

Scholarship and Financial Aid Committee (currently chair) – University of South Carolina, 2012-present
Online Testing Workgroup – University of South Carolina, 2014-present
Provost's Special Committee for Student Retention – University of South Carolina, 2012-present
Undergraduate Scholastic Standards – Darla Moore School of Business, 2021 and 2022