

Leslie Hendrix

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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 Professor – University of South Carolina, Department of 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
Graduate Instructional Assistant –University of South Carolina, Department of Statistics, 8/04–5/05

Scholarships and Awards

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
Mu Sigma Rho Membership – National Statistics Honor Society, 2007-present
Outstanding Graduate Instructional Assistant - Department of Statistics, University of South Carolina, 2006
Graduate School Fellowship – Graduate School, University of South Carolina, 2005-2009
William J. Padgett Scholarship – Department of Statistics, University of South Carolina, 2005-2008
South Carolina National Guard Association Auxiliary Scholarship, 2005
Jeong S. Yang Award for Excellence in Undergraduate Mathematics, 2005

Statistical and Mathematical Software / Educational Technology

R, SAS, SPSS, Excel, BILOG-MG, Maple, Matlab, Minitab, OpenBUGS /WinBUGS, StatCrunch, Blackboard, Canvas, i>clicker Cloud/REEF, StatCrunch, Texas Instruments 83/84/89/89 Titanium Calculators, Tablet PC

Research Interests

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

Invited Talks

“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.

Meetings Attended

Joint Mathematics Meetings, January 4-7, 2017, Atlanta, Ga.

Joint Statistical Meetings, July 30 – Aug. 4, 2016, Chicago, Il.

American Mathematic Association of Two-Year Colleges Annual Meeting, Nov. 17-20, 2016, Denver, Co.

American Educational Research Association/National Council on Measurement in Education, 2007-2012.

Emerging Technologies for Online Learning International Symposium, April 9-11, 2014, Dallas Tx.

i>Clickers 2012, October 25-26, 2012, Chicago, Il.

Ethics Across the Curriculum, Rutland Institute for Ethics, Clemson University, SC, August 13-15, 2012.

Brooks Cole/Cengage Learning Statistics Conference, March 4, 2011, Chicago, Il.

Meeting Presentations

“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 Professional Service

Pilot Implementer (Phase II) and Implementer (Phase III), SC Course Alignment Project, 2009-present

Focus Group, StatsPortal Summit, 2010

Textbook reviewer, Pearson, Bedford, Freeman and Worth Publishers, Oxford University Press, various years

Selected University 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