

Leslie Hendrix

University of South Carolina
Department of Statistics
216 LeConte College
Columbia, SC 29208
Phone: (803) 777-7800

125 Dutch Point Road
Chapin, SC 29036
Phone: (803) 932-0377
Website: www.stat.sc.edu/~hendrixl
email: lesliehendrix@gmail.com

Education

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

Academic Positions and Background

Instructor – University of South Carolina, Department of Statistics, 8/2009-present – full lecturing responsibility for 500 students per semester and Course Coordinator for STAT 110
Graduate Teaching Assistant - University of South Carolina, Department of Statistics, 8/05-5/2009 – full lecturing and grading responsibility for six 50-student sections of STAT 205. “Overall Instructor Rating” scores for the Fall 2006 through Fall 2008 were 4.71, 4.90, 4.83, 4.81, 4.67, and 4.84 out of 5, respectively
Graduate Instructional Assistant – to Dr. Walter Piegorsch, University of South Carolina, Department of Statistics, 8/04–5/05

Statistical and Mathematical Software / Educational Technology

BILOG-MG, Maple, Matlab, Minitab, OpenBUGS /WinBUGS, R, SAS, SPSS, StatCrunch / Blackboard, Web/I-clicker, 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 (Dissertation titled “FAST EM BASED POSTERIOR APPROXIMATION FOR IRT ITEM PARAMETERS”); Statistical Education

Invited Talks

“Assessing Model Fit in IRT using PPMC Methodology without MCMC.” Departmental Colloquium, Statistics Department, University of South Carolina, September 11, 2008

Meeting Presentations

“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 – acceptance rate typically 60%)

“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 – acceptance rate typically 60%)

“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 – acceptance rate typically 60%)

“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 – acceptance rate due to space limitations 35%)

“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 – acceptance rate due to space limitations 40%)

“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 – acceptance rate typically 60%)

Society Memberships

American Educational Research Association
National Council on Measurement in Education
Psychometric Society

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, 2009
Textbook reviewer, Bedford, Freeman and Worth Publishers, 2009
Textbook reviewer, Oxford University Press, 2009
Presentation proposal reviewer for the 2006-present National Council on Measurement in Education and 2009 American Educational Research Association Annual Meetings – typically review 3–6 paper/poster proposals per conference

Scholarships and Awards

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

References

Georgie Baker	Dr. Brian Habing	Dr. Walter Piegorsch
Department of Statistics	Department of Statistics	Department of Mathematics
University of South Carolina	University of South Carolina	University of Arizona
216 LeConte College	216 LeConte College	617 N. Santa Rita Ave.
Columbia SC, 29208	Columbia SC, 29208	Tucson, AZ 85721-0089
803-576-5814	803-777-3578	520-621-2357
bakerg@stat.sc.edu	habing@stat.sc.edu	piegorsch@math.arizone.edu