

GARRITT L. PAGE

Duke University
Department of Statistical Science
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Education

Ph.D., Statistics, August, 2009; Iowa State University, Ames, Iowa

M.S., Statistics, August, 2005; Brigham Young University, Provo, Utah

B.S., Mathematics, May, 2002; Southern Utah University, Cedar City, Utah

Professional Experience

Visiting Assistant Professor, Duke University, Department of Statistical Science, 2009-present

Statistical Consultant, Iowa State University, Agriculture Experiment Station, 2008-2009

Instructor, Iowa State University, Department of Statistics, 2006-2007

Statistical Intern, Pfizer Inc., La Jolla California, Summer 2004

Teaching Assistant, Brigham Young University, Department of Statistics, 2003-2005

High School Math Teacher, Southwestern Academy, San Marino California, 2002-2003

Research Interests

Bayesian Statistics, Hierarchical Modeling, Mixtures, Spatial Statistics, Robust Statistics, Statistics in Sports

Teaching Experience

Duke University, Department of Statistical Science

STAT 101: Data Analysis/Statistical Inference (Fa 09, Sp 10, Fa 10)

Iowa State University, Department of Statistics

STAT 101: Principles of Statistics (Sp 06)

STAT 226: Introduction to Business Statistics I (Su 06, Fa 06, Sp 07, Fa 07)

Southwestern Academy, High School Mathematics, 2002-2003

Algebra 1/2-2

Geometry

Trigonometry/Pre-Calculus

Consulting Experience

Agriculture Experiment Station Consulting Group (ISU)

Jan. 2008 - Aug. 2009

Provided statistical guidance to researchers at Iowa State (graduate students, faculty) in the form of experimental design, statistical analysis (typically using SAS or R), and interpreting results. Occasionally this required the development of novel statistical techniques. I've been involved with studies in agronomy, ecology, food science, and horticulture to name a few.

Publications

Refereed

Page, Garritt L.; Fellingham, Gilbert W.; and Reese, C. Shane (2007) "Using Box-Scores to Determine a Position's Contribution to Winning Basketball Games," *Journal of Quantitative Analysis in Sports*, 3(4), Article 1

Page, Garritt L.; Vardeman, Stephen B. (2010) "Using Bayes methods and mixture models in inter-laboratory studies with outliers," *Accreditation and Quality Assurance* 15(7) 379-389

Submitted

Page, Garritt L.; Dunson, David B. (2010) "Bayesian Local Contamination Models for Multivariate Outliers" (re-submitted to *Technometrics*)

Leyva, Norma; Page, Garritt L.; Vardeman, Stephen B.; Wendelberger, Joanne R. (2010) "Bayes Statistical Analyses for Particle Sieving Studies" (submitted to *Technometrics*)

Page, Garritt L.; Vardeman, Stephen B. (2010) "Bayesian Approach to Establishing a Reference Particle Size Distribution in the Presence of Outliers" (submitted to *Mathematical Geosciences*)

In Preparation

Carstens, Keri L.; Gross, Aaron D.; Page, Garritt L.; Dixon, Philip; Moorman, Thomas B.; Coats, Joal R.; (2010) "Fate of sulfamethazine in a freshwater sediment microcosm" (being prepared for *Environmental Science and Technology*)

Page, Garritt L.; Lui, Yajun; Sun, Dongchu (2010) "The Effect of Spatial Confounding on Covariate Estimation" (being prepared for the *Annals of Applied Statistics*)

Presentations/Posters

"Bayesian Local Contamination Models for Multivariate Outliers"

- *Meeting of New Researchers in Statistics and Probability*. Vancouver Canada. July 2010 (Poster)
- *Departamento de Estadística, Pontificia Universidad Católica*. Santiago Chile. June 2010 (Invited)
- *International Meeting on Bayesian Statistics*. Benidorm Spain. June 2010 (Poster)

“The Effect of Spatial Confounding on Covariate Estimation”

- *SAMSI Spatial Program Transition Workshop*. RTP, NC. Oct 2010
- *Joint Statistical Meetings*. Vancouver Canada. Aug 2010 (Contributed)
- *Frontiers of Statistical Decision Making and Bayesian Analysis*. San Antonio, TX. March 2010 (Poster)

“Using Mixtures to Model Outliers in Inter-laboratory Studies”

- *North Dakota State University Department of Statistics*. Fargo, ND. Nov 2009 (Invited)
- *Joint Statistical Meetings*. Washington D.C. Aug 2009 (Contributed)
- *Ph.D. Dissertation Defense*. Ames, IA. July 2009

“Using Compartment Models to Evaluate the Fate of Sulfamethazine in Surface Water” *Conference on Applied Statistics in Agriculture*. Manhattan, KS. April 2009 (Poster)

“Using Box-Scores To Determine a Position’s Contribution To Winning Basketball Games”

- *MCMski II Conference*. Bormio Italy. Jan 2008 (Poster)
- *M.S. Project Defense*, Provo, UT. Aug 2005
- *BYU Spring Research Conference*. Provo, UT. March 2005 (Contributed)

“Using Case Studies in the Analysis of QT Data”. *Pfizer Intern Seminar*. La Jolla, CA. August 2004

Book Reviews

Page, Garritt L. (2010) Review of *Bayesian Methods for Measures of Agreement* by L.D. Broemeling. *Journal of the American Statistical Association* 105(489), p. 438

Skills

Computer: R, SAS, JMP, C (working knowledge), FORTRAN (working knowledge), L^AT_EX, Mac OS X, Unix/Linux

Languages: English (*native*), Spanish (*fluent*)

Awards

Dan Mowrey Consulting Excellence Award, Iowa State University (2009)

University Teaching Excellence Award, Iowa State University (2007)

NSF Research and Training Grant(RTG) Graduate Fellowship(2007-2009)

NSF Vertical Integration of Research and Education(VIGRE) Graduate Fellowship(2005-2006)

Professional Membership

American Statistical Association (ASA) (2004-present)

Institute of Mathematical Statistics (IMS) (2005-present)

International Society for Bayesian Analysis (ISBA) (2007-present)

Service

At Iowa State University

RTG Student Seminar Chair (2008)

Student Representative at ISU Faculty Meetings (2008)

Profession

Manuscript Refereeing (Journal, year [number of manuscripts refereed])

Journal of Quantitative Analysis in Sports (2006[1], 2008[1], 2009[1])

Bayesian Analysis (2010[1])