Kevin Samuel Shaw Henning

Department of Economics and International Business
Sam Houston State University
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Huntsville, Texas 77341
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EDUCATION

Ph.D, Business Statistics August 2011
Texas Tech University, Lubbock, Texas
Dissertation Title: *The Effects of Closure-Based Multiple Testing on the Power of P-Value Combination Tests*

M.S., Business Statistics May 2008
Texas Tech University, Lubbock, Texas

B.B.A., Management Information Systems December 2005
University of the Southwest, Hobbs, New Mexico

AWARDS

(Nominated) University Excellence in Teaching Award 2015
Sam Houston State University

(Nominated) University Excellence in Teaching Award 2014

C. Oswald George Prize for Best Article 2013
Shared with Yonggang Lu
Awarded by the editors of the journal *Teaching Statistics*

2011 Distinguished Young Alumnus Award 2011
University of the Southwest Hobbs, New Mexico

Dean's Excellence in Teaching Award 2009
Rawls College of Business
Texas Tech University, Lubbock, Texas

TEACH (Teaching Effectiveness And Career enHancement) Fellow 2008-2009
Teaching, Learning, and Professional Development Center
Texas Tech University Lubbock, Texas

ACADEMIC EMPLOYMENT

Clinical Assistant Professor — August 2011 - Present
College of Business
Sam Houston State University, Huntsville, Texas

Adjunct Instructor — August 2008 - August 2011
Department of Mathematics and Statistics
Texas Tech University, Lubbock, Texas

Graduate Assistant/Part-Time Instructor — August 2007 - August 2011
Area of Information Systems and Quantitative Sciences
Rawls College of Business
Texas Tech University, Lubbock, Texas

Teaching Assistant — January 2007 - May 2007
Area of Marketing
Rawls College of Business
Texas Tech University, Lubbock, Texas

COURSES TAUGHT

BANA 2372: Introduction to Business Analysis
Location: Sam Houston State University
Role: Instructor of Record

This is a course on applying quantitative methods in a business setting. This is a core course for all business majors. The first part of the course reviews important concepts from mathematics such as percentages, exponents and logarithms, sigma notation, and derivatives. The second part of the course discusses the organization and presentation of data, the calculation of numerical measures of center and spread of data, and the modeling of nature through discrete and continuous probability distributions.

I am responsible for developing lecture material, creating and grading daily assignments, writing examinations, consulting with students during office hours and via email, and managing all course grades.

BANA 3363: Intermediate Business Analysis
Location: Sam Houston State University
Title: Instructor of Record

This course is a continuation of BANA 2372. This course is designed to introduce students to the use of statistics as a business tool in the face of incomplete knowledge. Topics include interval estimation, hypothesis testing, analysis of variance, tests of independence, correlation, and simple and multiple linear regression analysis.

I am responsible for developing lecture material, creating and grading daily assignments, writing examinations, consulting with students during office hours and via email, and managing all course grades.

BANA/ECON 4365: Introduction to Business Forecasting and Econometrics
Location: Sam Houston State University
Role: Instructor of Record

This course in applied business forecasting discusses how forecasts are developed and implemented in a business setting. The emphasis is on understanding how quantitative methods (moving averages, exponential smoothing, regression, and ARIMA) work, but the course does not lose sight of the important subjective

element that must accompany any forecast presented to managers, shareholders, and employees. The students acquire a practical knowledge of computer-based statistical analysis and forecasting software, and develop a complete business forecast using real data.

I am responsible for developing lecture material, creating and grading daily assignments, writing examinations, consulting with students during office hours and via email, and managing all course grades.

BANA 5300: Quantitative Tools for Business
Location: Sam Houston State University
Role: Instructor of Record

This is a required course for all MBA students who have entered the program with an undergraduate degree from outside the United States, or with a degree that is not from a college of business. The course discusses the organizing and presenting of data, describing patterns in data using numerical measures, and modeling nature through probability distributions. The students gain experience with gathering, analyzing, and interpreting data through several "mini project" assignments.

I am responsible for developing lecture material, creating and grading daily assignments, writing examinations, consulting with students during office hours and via email, and managing all course grades.

BANA 5368: Techniques of Statistical Analysis
Location: Sam Houston State University
Role: Instructor of Record

This course extends the material covered in BANA 5300. This course is a study of the concepts and application of some of the widely used statistical and quantitative techniques for decision making. Topics include estimation, hypothesis testing, analysis of variance, tests of independence, correlation, and simple and multiple linear regression analysis. The students gain experience with gathering, analyzing, and interpreting data through several "mini project" assignments over the course of the semester.

I am responsible for developing lecture material, creating and grading daily assignments, writing examinations, consulting with students during office hours and via email, and managing all course grades.

ISQS 3344: Introduction to Production and Operations Management
Location: Texas Tech University
Role: Lab Instructor

I provided instruction on quantitative methods (including line balancing, forecasting, statistical process control, and queuing theory) in the context of managerial decision making. This is a core course for all business majors that consists of a lecture and lab component. Lab instructors are responsible for helping students complete a capstone project that applies quantitative and qualitative skills to the creation of a fictional manufacturing company. Lab instructors also consult with students during office hours and by email and manage all course grades.

I developed several course tools, including a regression tutorial using Microsoft Excel and a list of oral presentation tips, which have been incorporated into the course. I also developed a project-based summer version of the course with the course supervisor that was first implemented in Summer 2011.

MATH 2300: Statistical Methods
Location: Texas Tech University
Role: Instructor of Record

I provided instruction on the basic concepts of descriptive and inferential statistics, including graphical and numerical summaries, basic probability theory, hypothesis testing, and confidence intervals.

I was responsible for developing lecture material, creating and grading daily assignments, creating examinations, consulting with students during office hours and via email, and managing all course grades.

OTHER TEACHING EXPERIENCE

ISQS 5347: Advanced Statistical Methods
Location: Texas Tech University
Instructor: Dr. Peter H. Westfall

This is a doctoral-level course in probability and statistics intended to provide future researchers with the foundations of probability theory, random variables, Bayesian methods, maximum likelihood estimation, power analysis, and hypothesis testing. The course provides instruction on the use of SAS statistical software for basic data manipulation, display, and inference.

Teaching assistantship responsibilities included holding office hours for student questions, grading homework assignments, and proctoring exams.

ISQS 5349: Regression Analysis
Location: Texas Tech University
Instructor: Dr. Peter H. Westfall

This is a doctoral-level course intended to provide future researchers with an understanding of the basic assumptions, structure, and use of various regression models. Included is a discussion of graphical methods, influence diagnostics, time series, heteroscedastic models, repeated measures, and nonlinear regression models. The use of SAS statistical software for all of these methods is discussed in detail.

Teaching assistantship responsibilities included holding office hours for student questions, grading homework assignments, and proctoring exams.

ISQS 6348: Multivariate Analysis
Location: Texas Tech University
Instructor: Dr. Peter H. Westfall

This is a doctoral-level course in multivariate probability and statistics intended to provide future researchers with an understanding of methods such as MANOVA, multivariate regression, principal components, canonical correlation, structural equation modeling, cluster analysis, and other techniques. The use of SAS statistical software for all of these methods is discussed in detail.

Teaching assistantship responsibilities included holding office hours for student questions, grading homework assignments, and proctoring exams.

MKT 3353: Supply Chain Management
Location: Texas Tech University
Instructor: Dr. Donna F. Davis

This course gives students an introduction to the idea of a supply chain, a network of relationships among customers, retailers, wholesalers, distributors, and manufacturers.

Teaching assistantship responsibilities included grading assigned cases and exams, assisting the instructor with in-class activities, proctoring exams, and managing course grades.

PUBLICATIONS

Henning, K. S. S., and Westfall, P. H. (2015). Closed testing in pharmaceutical research: Historical and recent developments. *Statistics in Biopharmaceutical Research 7*(2), 126-147.[1]

Lu, Y. and Henning, K. S. S. (2013). Are statisticians cold-blooded bosses? A new perspective on the 'old' concept of statistical population. *Teaching Statistics 35*(1), 66-71.

Westfall, P. H., Henning, K. S. S., and Howell, R. D. (2012). The effect of error correlation on interfactor correlation in psychometric measurement. *Structural Equation Modeling: A Multidisciplinary Journal 19*(1), 99-117.

BOOK

Westfall, P. H. and Henning, K. S. S. (2013). *Understanding Advanced Statistical Methods*. Boca Raton, FL: Taylor & Francis Group.

PRESENTATIONS

Personal Response Devices ('Clickers') as a Tool for Classroom Engagement: Two Perspectives. (with Christian Raschke). 2014 Sam Houston State University College of Business Learning Retreat.

The Effects of Closure-Based Multiple Testing on the Power of P-Value Combination Tests. 2011 Sam Houston State University Economics Department Seminar Series.

Examining Trust and Negative Review Sentiment in Online User Reviews: A Case Study. (with Qing Cao). 2011 Decision Sciences Institute Annual Meeting

The Inextricability of Reliability and Interfactor Correlation. (with Peter H Westfall). 2010 Joint Statistical Meetings, Vancouver, BC, Canada

The Effects of Certain Dependence Structures on Meta-Analytic Tests. 2008 Joint Statistical Meetings, Denver, Colorado

A SAS Text Mining Approach to Predicting the Resolvability of Disputes between eBay's Sellers and Buyers (with Zhanxi Lin). 2008 SAS Global Forum, San Antonio, Texas

[1] Relevant to 2015 FES

WORKING PAPERS

Lu, Y., Henning, K. S. S., and Zheng, Q. A Decision-Theoretic Paradigm of Hypothesis Testing.

OTHER EMPLOYMENT

Programming Assistant and On-Air Personality 2000 - 2006
Noalmark Broadcasting Corporation Hobbs, New Mexico

- Recorded and scheduled syndicated radio programs for broadcast.
- Performed weekly air-shifts.
- Ensured that station vehicles and equipment were in working order.
- Produced local sports broadcasts and election coverage.
- Trained and supervised new on-air talent
- Other duties as assigned by the Program Director.

SOFTWARE SKILLS

SAS, R, Gretl, LaTeX, Microsoft Office (Excel, Word, PowerPoint)

CERTIFICATION

Online Teaching Certification, granted by Sam Houston State University Online

PROFESSIONAL MEMBERSHIP

American Statistical Association

PROFESSIONAL REFERENCES

Allison P. Boye, Ph.D.
TEACH Program Director
Teaching, Learning, and Technology Center
MS 2044
Texas Tech University
Lubbock, TX 79409
(806) 742-0133
allison.p.boye@ttu.edu Relationship: Dr. Boye was my assigned consultant in the competitive teacher development (TEACH) program at Texas Tech.

Phillip Flamm, MBA, CAPM
Core Course Instructor
Area of Information Systems and Quantitative Sciences
Rawls College of Business
MS2101
Texas Tech University
Lubbock, TX 79409
(806) 742-2190
p.flamm@ttu.edu
Relationship: Mr. Flamm is the course coordinator for the operations management course that I taught many times.

Hossein Mansouri, Ph.D.
Professor
Department of Mathematics and Statistics
MS1042
Texas Tech University
Lubbock, TX 79409
(806) 834-8777
hossein.mansouri@ttu.edu
Relationship: I took one graduate-level statistics class from Dr. Mansouri, and he was a member of my dissertation committee.

James G. Surles, Ph.D.
Professor
Department of Mathematics and Statistics
MS1042
Texas Tech University
Lubbock, TX 79409
(806) 834-4729
james.surles@ttu.edu
Relationship: I took five graduate-level statistics classes from Dr. Surles, and he was a member of my dissertation committee.

Peter H. Westfall, Ph.D.
James and Marguerite Niver Professor of ISQS
Paul Whitfield Horn Professor of Statistics
Co-Director, CAABI
Area of Information Systems and Quantitative Sciences
Rawls College of Business
MS 2101
Texas Tech University
Lubbock, TX 79409
(806) 742-2174
peter.westfall@ttu.edu
Relationship: Dr. Westfall was my doctoral advisor and dissertation chairperson.