

Kevin Samuel Shaw Henning

Department of Economics and International Business
Sam Houston State University
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EDUCATION

Ph.D, Business Statistics August 2011
Texas Tech University
Lubbock, Texas
Dissertation: *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
Minor: Accounting
University of the Southwest
Hobbs, New Mexico

ACADEMIC EMPLOYMENT

Senior Lecturer January 2022 - Present
Department of Economics and International Business
College of Business
Sam Houston State University
Huntsville, Texas

Clinical Assistant Professor August 2011 - January 2022
Department of Economics and International Business
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
Area of Marketing
Rawls College of Business
Texas Tech University
Lubbock, Texas

January 2007 - May 2007

AWARDS

<i>(Nominated) University Excellence in Teaching Award</i> Sam Houston State University Huntsville, Texas	2020
<i>(Nominated) University Excellence in Teaching Award</i> Sam Houston State University Huntsville, Texas	2019
<i>(Nominated) University Excellence in Teaching Award</i> Sam Houston State University Huntsville, Texas	2018
<i>(Nominated) University Excellence in Teaching Award</i> Sam Houston State University Huntsville, Texas	2016
<i>(Nominated) University Excellence in Teaching Award</i> Sam Houston State University Huntsville, Texas	2015
<i>(Nominated) University Excellence in Teaching Award</i> Sam Houston State University Huntsville, Texas	2014
<i>C. Oswald George Prize for Best Article</i> Shared with Yonggang Lu Awarded by the editors of the journal <i>Teaching Statistics</i>	2013
<i>2011 Distinguished Young Alumnus Award</i> University of the Southwest Hobbs, New Mexico	2011
<i>Dean's Excellence in Teaching Award</i> Rawls College of Business Texas Tech University Lubbock, Texas	2009
<i>TEACH (Teaching Effectiveness And Career enHancement) Fellow</i> Teaching, Learning, and Professional Development Center Texas Tech University Lubbock, Texas	2008-2009

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.

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

Role: 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.

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.

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 covers the organizing and presenting of data, describing patterns in data using numerical measures, and modeling nature through probability distributions. Students gain experience with gathering, analyzing, and interpreting data through “mini project” assignments.

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, 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.

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/Recitation 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.

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.

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.

JOURNAL PUBLICATIONS

Henning, K.S.S., and Hegwood, N.D. (2020). Priming effects of instructor-expressed judgments of the difficulty of quantitative material on student performance and perceptions. *Journal of Economics and Finance Education* 19(2), 19-36.

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.

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 inter-factor correlation in psychometric measurement. *Structural Equation Modeling: A Multidisciplinary Journal* 19(1), 99-117.

CONFERENCE PROCEEDINGS

Cao, Q., and Henning, K.S.S. (2011). Examining Trust and Negative Review Sentiment in Online User Reviews: A Case Study. *Decision Sciences Institute Annual Meeting, 1*, Georgia State University, J. Mack Robinson College of Business, University Plaza, Atlanta, GA 30303: Decision Sciences Institute.

BOOK

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

PRESENTATIONS

Creating Robust Automatically Graded Multipart Questions in Blackboard Using Simple Regular Expression Pattern Matching. 2022 Journal of Economics Teaching Symposium on Economics Teaching, Omaha, NE.

Effects of Mid-Semester Switching from a Face-to-Face to Online Modality during COVID-19: An Exploratory Study (With Natalie D. Hegwood). 2022 Academy of Economics and Finance (Virtual Conference).

Creating Robust Automatically Graded Multipart Questions in Blackboard Using Simple Regular Expression Pattern Matching. 2022 Academy of Economics and Finance Teacher Training Program, (Virtual Conference).

The Effects of Instructor Priming Statements on Students’ Perceived Difficulty of Quantitative Material (with Natalie D. Hegwood). 2019 Academic of Economics and Finance Conference, St. Petersburg, FL.

The Effects of Instructor Priming Statements on Students' Perceived Difficulty of Quantitative Material (With Natalie D. Hegwood). 2018 Missouri Valley Economic Association Conference, Memphis, TN.

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, Huntsville, TX.

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

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, CO.

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, TX.

WORKING PAPERS

Drukker, D.M. and Henning, K.S.S. Critical values and confidence bands for multiple one-sided comparisons. (The target journal is *The Stata Journal*)

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

- Audacity (audio editing)
- Blackboard (Learning Management System) (Advanced)
- Camtasia Studio (video editing)
- Gretl (econometrics software)
- Kaltura (video editing)
- L^AT_EX(typesetting)
- Microsoft Office (Excel, PowerPoint, Word) (Advanced)
- R (statistical software)
- SAS (statistical software)

- Stata (statistical software) (novice)
- programming fundamentals (variable declaration, basic syntax, data types, data structures, flow control, conditional and loop statements, object-oriented programming)

CERTIFICATION

Teaching Online With Blackboard Certification (granted by Sam Houston State University Online (SHSU Online))

SERVICE

Faculty Scorer for Sam Houston State University Assessment of Written Communication (AWC) Initiative: Summer 2022

Member of the Master's of Science in Applied Economics (MSAE) Curriculum Development Committee: 2021-2022

Course Coordinator (with Natalie Hegwood) for BANA 3363 business core/business foundation assessment (GAT) at Sam Houston State University.

College of Business (COBA) Faculty Evaluation System (FES) Revision Committee Member: 2019-2020

Professional Memberships

- Academy of Economics and Finance
- American Statistical Association