Howard Robertson Clayton

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Education

University of Georgia, Athens, GA	Management Science	Ph.D., 1991
University of Georgia, Athens, GA	Management Science	MAMS., 1987
University of the West Indies, Mona, Jamaica	Math Education,	Dip. Ed., 1976
University of the West Indies, Mona, Jamaica	Chemistry & Math,	BSc., 1973

Appointments

August 1999 to July 2013 *Auburn University, Auburn, AL* **Associate Professor** of Mngt. Science Dept. of Supply Chain & I.S. Management College of Business	**August 1997 to July 1999** *University of North Texas, Denton, TX* **Associate Professor** of Mngt. Science Business Computer Info. Systems Dept. College of Business Administration
August 1991 to July 1997 *University of North Texas, Denton, TX* **Assistant Professor** of Mngt. Science Business Computer Info. Systems Dept. College of Business Administration	**January 1991 to June 1991** *Savannah State College, Georgia* **Assistant Professor** College of Business Administration
September 1985 to December 1990 *University of Georgia* **Graduate Teaching Assistant** for Undergraduate Statistics Dept. of Management Sciences College of Business	**September 1980 to June 1985** *St. John's College (High School)* Senior Master of Math and Physics Nassau, Bahamas
September 1977 to June 1980 *Herbert Morrison Comprehensive High School* Senior Master of Math and Physics Montego Bay, Jamaica	**September 1977 to June 1980** *Montego Bay Community College* Teacher of GCE Advanced Level Math Montego Bay, Jamaica
January 1974 to June 1977 *Cornwall College (High School)* Senior Master of Math and Physics Montego Bay, Jamaica	**June 1973 to December 1973** *Ucon Dry Cleaners Ltd.* Assistant Manager Montego Bay, Jamaica

Professional Affiliation

DSI: Decision Science Institute

Courses/Subjects Taught	No. of Years' Experience
Ph.D. Statistics – Linear Models I	**8**
Ph.D. Statistics – Linear Models II	**8**
MBA Statistics	**20**
Executive MBA Statistics	**5**
Physicians MBA Statistics	**3**
MBA Computer Simulation	**2**
MBA Management/Decision Science	**2**
Undergraduate Business Statistics	**26**
Undergraduate Management Science/Quant. Methods	**3**
High School Mathematics, Gr. 7 – 13, GCE 'O' & 'A' level	**12**
High School Physics, Gr. 9 – 11, GCE 'O' level	**12**

Publications

Dissertation

Confidence Bounds Based on the Bootstrap and Hoeffdings Inequality for Dollar Unit Sampling in Auditing, Ph. D. Dissertation, University of Georgia, August 1991.

Refereed journal publications

An Evaluation of Use of Multimedia Case Studies to Improve an Introduction to Information Technology Course, Sankar C. S., and Clayton, H. R., *International Journal of Information Communication and Technology Education*, Vol. 6, no. 3, June 2010

Using Spreadsheets to Enhance Learning in the Affective Domain for Undergraduate Statistics Students, Clayton, H. R., and Sankar, C. S., *INFORMS Transactions on Education*, Vol. 10, No. 1, Sept. 2009

Preparing Students for Global Research Experiences: U.S. – India Summer Projects, Sankar, C. S., Raju, P.K., and Clayton, H. R., *International Journal of Engineering Education*, Vol. 25, No. , 2009

Impact of Multimedia Case Studies on Improving Intrinsic Learning Motivation of Students, Mehta, A., Clayton, H. R., and Sankar, C. S., *Journal of Educational Technology Systems*, Vol. 36, no. 1, 2007-2008.

A Study on the Impact of GPA on Perceived Improvement of Higher-Order Cognitive Skills, Bradley, R. V., Sankar, C. S., Clayton, H. R., Mbarika, V. W., and Raju, P. K., *Decision Sciences Journal of Innovative Education*, 5(1), 2007, 151-168

Combining Approaches For Evaluating Auditing Populations: A Simulation Study, Clayton, H. R., & McMullen, P. R. *European Journal of Operational Research*, 178 (2007), 907-917

ARL Comparisons between Neural Network Models and x-bar-Control Charts for Quality Characteristics that are Nonnormally Distributed, Yi, J., Prybutok, V. R., Clayton, H. R., *Economic Quality Control*, Vol. 16, 5-16, 2001.

Competencies in Property Management: Implications for Curriculum Evaluation and Development, Tas, R.F., LaBrecque, S.V., & Clayton, H.R., *The Journal of Hospitality Management*, Vol. 2, No. 2, 126-136, 2000.

Software Testing Metrics: Do They Have Merit? Pavur, R., Jayakumar, M., Clayton, H., *Industrial Management & Data Systems*, Vol. 99 No. 1, 5 – 10, 1999.

The Impact of Job Satisfaction on Home and Family Life for Female Managers in Health Care Food Service, Clayton, H., Odera, V., Emenheiser, D., and Reynolds, J., *Marriage and Family Review*, Vol. 27, No. 1/2, 1997.

Comparison of Fixed Versus Variable Sampling Interval Shewhart X-Bar Control Charts: Some Simulation Concerns, Clayton, H., Harvey, M., and Prybutok, V., *Simulation*, Vol. 68, No. 3, 1997.

Comparison of Fixed Versus Variable Sampling Interval Shewhart X-Bar Control Chart in the Presence of Autocorrelated Data, Prybutok, V., Clayton, H., and Harvey, M., *Communications in Statistics*, Vol. 26, No. 1, 1997.

A Nonparametric DUS Bound for Errors in Auditing Based on the Normal Distribution: A Simulation Study, Clayton, H., *Midwestern Business and Economic Review*, Vol. 22, Fall 1995.

Property Management Competencies for Management Trainees, Tas, R., LaBrecque, S., and Clayton, H., *Cornell Hotel and Restaurant Administration Quarterly*, Vol. 37, No. 4, 90-96, August 1996.

The Effectiveness of Bootstrap Methods in Evaluating Skewed Auditing Populations: A Simulation Study, Clayton, H., *Journal of Statistical Computation and Simulation*, Vol. 54, 255-264, 1996.

Comparison of Fixed Versus Variable Sampling Interval Shewhart X-Bar Control Chart in the Presence of Undetected Positively Autocorrelated Data With Calculated Control Limits, Harvey, M., Clayton, H., and Prybutok, V., *Economic Quality Control*, Vol. 10, No. 3, 175-181, 1995.

Comparison of Fixed Versus Variable Sampling Interval Shewhart X-bar Control Charts in the Presence of Undetected Positively Autocorrelated Data with Fixed Control Limits, Harvey, M., Clayton, H., and Pybutok, V., *Economic Quality Control*, Vol. 10, No. 1, 3-11, 1995.

The Results of Not Adjusting the Shewhart X-bar Control Chart for Positively Autocorrelated Data, Clayton, H., Prybutok, V., and Harvey, M., *International Journal of Computer and Engineering Management*, Vol. 3, No. 1, 67-72, Fall 1995.

A Simulation Study on the Power of a Bootstrap-Based Bound used in Dollar Unit Sampling, Clayton, H., *Journal of Business and Economic Perspectives*, Vol. 21, No. 2, 75-82, Fall 1995

A Combined Bound for Errors in Auditing Based on Hoeffding's Inequality and the Bootstrap, Clayton, H., *Journal of Business and Economic Statistics*, Vol. 12, No. 4, 437-448, October 1994.

Grants & Sponsored Research

Raju, P., Sankar, C., Le, Q. (Co-Principals), Clayton, H. & Kawulich, B. (Supporting), Grant, "**Collaborative Research: Development and Testing of Presage-Pedagogy-Process-Product Model to Assess the Effectiveness of Case Study Methodology in Achieving Learning Outcomes**", NSF, Federal, $399,999.00, Awarded/Funded. (start: August 2009, end: August 2012).

Raju, P., Sankar, C., Clayton, H. (Supporting), Grant, "**Capability-Focused Real-World-Based Technology-Enabled Instructional Strategy: Development and Testing in Introductory Courses**", NSF, Federal, $150,000.00, Awarded/Funded. (start: May 2008, end: April 2010).

Sankar, C., Raju, P., Clayton, H. (Supporting), Grant, "**US-India International Research, Education, and Industry Experiences for Students in Acoustics and Non-Destructive Evaluation. IRES**", NSF, Federal, $150,000.00, Awarded/Funded. (start: August 2006, end: August 2009).

Conference Proceedings

Proactive personality and organizational change: Factors affecting retention, Prabhu, V., Sutton, C., Sauser, W., Clayton, H., Southern Management Association, Ashville, NC, Nov. 2009.

Dealing with change in a NPO: How satisfied and committed are your proactive employees?, Prabhu, V., Sutton, C., Sauser, W., Clayton, H., Academy of Management Meeting, Anaheim, CA, Aug. 2008.

Organizational change and proactive personality: Effect on job, Prabhu, V., Sutton, C., Sauser, W., Clayton, H., Western Management Conference, 2008.

Proactive personality and intent to remain: Is career future a moderator or a mediator? Sutton, C., Prabhu, V., Sauser, W., Clayton, H., Western Management Conference, 2007.

An Empirical Investigation of Relationships between Servant Leadership and Work Attitudes, Washington, R., Sutton, C., Clayton, H., and Sauser, W., Academy of Management Conference, 2007.

Integration of Business Applications And Fundamental Skills in An Undergraduate Business Statistics Course, Clayton, H., Sankar, C., Thrasher, E., American Society for Engineering Education, Washington, DC, 2006.

An Empirical Investigation of the Impact of GPA on Perceived Improvement of Higher-Order Cognitive Skills, Bradley, R., Clayton, H. R., Sankar, C., Mbarika, V. & Raju, P.K., *Proceedings of the Eleventh Americas Conference on Information Systems*, Omaha, Nebraska, August 2005.

The Influence of Organizational Values on Profitability, Johnson, K., Sutton, C.D., Clayton, H. R., *Proceedings of Southwest Academy of Management Conference Dallas, March 2005*.

Using Multimedia Instructional Materials to Assess the Validity of Imposing GPA Entrance Requirements in Colleges of Business: An Empirical Examination, Bradley, R., Sankar, C., Clayton, H. R. & Raju, P.K., *Proceedings of Information Resources Management Association, May 2004*

A Simulation Study on Combining Approaches for Evaluating Audit Populations, Clayton, H.R. & McMullen, P.R., *Proceedings of the 32nd Annual National Decision Sciences Institute, San Francisco, Nov. 2001*.

Developing a Robust Parametric Bootstrap Bound for Evaluating Audit Samples, Clayton, H., *Proceedings of the 27th Annual National Decision Sciences Institute, Orlando, Nov. 1996*.

A Survey of Management in Health Care Systems Dietetic Practice Group Members: Balance of Work, Home, and Family Life, Odera, V., Emenheiser, D., Clayton, H., and Reynolds, J., *Proceedings of the American Dietetic Association Annual Meeting, San Antonio, 1996*.

A Simulation Study to Compare Two Leading Methods for Evaluating Audit Populations Using Dollar Unit Sampling, Clayton, H., *Proceedings of the 26th Annual National Decision Sciences Institute, Boston, Nov. 1995*.

Monte Carlo Comparisons of the Powers of Various Statistics for Testing the Equality of Means of Two Populations When Some Data are Missing, Dunu, S., Spalding, J., and Clayton, H., *Proceedings of the 26th Annual Southwest Decision Sciences Institute, Houston, March 1995.*

Bootstrap Methods: Some Potential Problems, Clayton, H.**,** *Proceedings of the 25th Annual D.S.I., Nov. 1994.*
A Comparison of Bootstrap Approaches for Evaluating Dollar Unit Samples in Auditing, Clayton, H., *Proceedings of the Joint Statistical Association, Aug. 1994.*

The Effect of Skewness Correction on the Coverage of a Gaussian-like Bound Proposed for Estimating Errors in Auditing Populations, Clayton, H., *Proceedings of the 25th Annual Southwest D.S.I., March 1994.*

A Nonparametric DUS Bound for Errors in Auditing Based on the Normal *Distribution,* Clayton, H., *Proceedings of the 24th Annual D.S.I., Nov. 1993.*

Power Characteristics of a Bootstrap-Based Bound Used in Dollar Unit Sampling, Clayton, H., *Proceedings of the 24th Annual Southwest D.S.I., March 1993.*

Coverage Characteristics of a Bound Proposed for Evaluating Dollar Unit *Samples in Auditing,* Clayton, H., *Proceedings of the 23rd Annual D.S.I., Nov. 1992.*

Hoeffding Bounds for Monetary-Unit Sampling in Auditing, Bickel, P., Clayton, H., Godfrey J., and Neter, J., *Proceedings of the 47th session of the I.S.I.,* Sept. 1989.

A Comparison of Some Bounds Based on the Bernstein Inequality With Other Bounds Proposed for Use in Auditing, Clayton, H., *Proceedings of the S.E. D.S.I., Feb. 1989.*