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Professor of Quantitative Methods
College of Business Administration
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Educational Background

Doctor of Philosophy, 1977, Virginia Tech

Major Area: Management Science; Minor Areas: Finance and Accounting

Dissertation: Integer Goal Programming: Methods, Computations, Applications

Master of Business Administration, 1972, College of William and Mary

Bachelor of Science in Mechanical Engineering, 1968, West Virginia University

Professional Experience

WINTHROP UNIVERSITY

1976 to present Professor of Quantitative Methods

Subjects Taught: Graduate Statistics, Management Science, Statistical Decision Theory, Accounting (MBA Survey Course)

Undergraduate Statistics, Management Science, Finance, Computer Science (FORTRAN, BASIC, Pascal), Principles of Management

VIRGINIA POLYTECHNIC INSTITUTE

1975 to 1976 Instructor in Business

1974 to 1975 Graduate Teaching Assistant

Subjects Taught: Statistics, Finance, Management Science

SOUTHSIDE VIRGINIA COMMUNITY COLLEGE, Keysville, Virginia

1972 to 1974 Instructor in Business

Subjects Taught: Accounting, Business Mathematics, Statistics, Data Processing, Finance, Income Taxes, Personnel Administration, Engineering Mechanics, Physical Education

NEWPORT NEWS SHIPBUILDING AND DRYDOCK COMPANY, Newport News, Virginia
1968 to 1969 Test Engineer: Responsible for testing propulsion machinery and ships' service systems on nuclear submarines
1969 to 1970 Design Engineer: Worked on heat balance of ship's power plant; did sizing calculations on pumps, heat exchangers and ventilation equipment
1970 to 1972 Systems Analyst: Responsible for design and implementation of company-wide system to determine labor progress on long-term contracts

U. S. FOREST SERVICE, Morgantown, West Virginia

1966 to 1967 Engineering Aide (summers and during school year in college): Responsible for surveying, map-drawing and assisting in time studies on logging methods

Publications

Examining Fatal Commercial-Truck-Involved Crashes at Work Zones, *International Review of Business Research Papers*, January, 2012, pp. 100-110.

An Excel Package to Explain Bayes' Theorem, *Computers in Education Journal*. July-September, 2011, pp. 43-47.

Improvements in Insurance Consumer Complaint Ratios, with Wood, G., and Pierce, B. *Insurance Markets and Companies: Analyses and Actuarial Computations*, January-February, 2011, pp. 34-37.

Do I Really Have to Dress Like Everyone Else? Exploring the Issue of Conformity in the Workplace, with Burgess-Wilkerson, B. and Thomas, T. *Society for Marketing Advances Proceedings*, November, 2010, pp. 146-147.

Consumer Complaints Against Insurance Companies, with Wood, G., *Journal of Personal Finance*, Volume 9, 2010, pp. 101-116.

An Analysis of Insurance Complaint Ratios, with Wood, G., *Southeast Decision Sciences Institute Proceedings*, 2009, pp. 830-838.

Determination of Sample Size to Detect Quality Improvement in p Charts, with Riddle, E. J., *Quality Engineering*, July-September, 2008, pp.281-286.

Selected Health Behaviors that Influence College Freshman Weight Change, with Danne Kasparek, *Journal of American College Health*, January - February 2008, pp. 437 - 444.

Textbook Coverage of Sample Sizes for p Charts, with Riddle, E. J., *Southeast Decision Sciences Institute Proceedings*, 2007, pp. 636-639.

Comparing Standard, Modified and Exact p Charts, with Riddle, E. J., *Southeast Decision Sciences Institute Proceedings*, 2007, pp. 1066-1073.

Debate as a Tool in Teaching Economics: Rationale, Technique, and Some Evidence, with Vo, H. X., *Journal of Education for Business*, July/August, 2006, pp. 315-320.

A Logistic Regression Model to Evaluate Effect of Speed Limit on Severity of Motor Crashes, with Cao, J, *Southeast Decision Sciences Institute Proceedings*, 2006, pp. 364-366.

A Formula for After-tax Duration of a Traditional Bond, with R. Bhardwaj, *Southeastern Institute for Operations Research and the Management Sciences Proceedings*, 2005.

Why is South Carolina Last in SAT Scores? with R. Bhardwaj, *Southeastern Institute for Operations Research and the Management Sciences Proceedings*, 2005.

The Black and Scholes Option Pricing Model for Call Options without Risk Neutrality Assumption and after Adjustment for Transaction Costs, with R. Bhardwaj, *Southeastern Institute for Operations Research and the Management Sciences Proceedings*, 2004, pp.328-329.

Two Faculty Voting Methods Using VBA/Excel, *Southeast Decision Sciences Institute Proceedings*, 2003, pp. 364-366.

Simulating Control Charts Using an Excel/VBA Package, *Computers in Education Journal*, April-June, 2003.

Profiling the Shopping Behaviors of College Students, with J. Thomas, *International Textile and Apparel Association, Proceedings*, 2001.

Demonstrating Hypothesis Testing with an Excel-Based Macro Package, *Computers In Education Journal*, April/June, 1999, pp. 20-23.

A Spreadsheet Approach to Teaching Resampling, with B. A. Price, *Journal of Education for Business* July/August, 1998, pp. 358-363.

Using A Spreadsheet Package to Illustrate the Central Limit Theorem, *Computers In Education Journal*, April/June, 1998, pp. 6-11.

An Intuitive Explanation of Hypothesis Testing, *Southeastern Institute for Operations Research and the Management Sciences Proceedings*, 1998, pp.130-132.

A Lotus Macro Package to Demonstrate Sampling Distributions, *Southeast Decision Sciences Institute Proceedings*, 1997, pp.115-117.

The Data Will Tell, A Lotus Macro Package to Use Resampling as a Learning Tool in the Basic Stat Course, with B. A. Price, *Southeast Decision Sciences Institute Proceedings*, 1996, pp. 212-214.

The Rule of 72: Why It Works, with A. J. Lerro, *Journal of Financial Education, Computers In Education Journal*, Fall, 1995, pp. 55-57.

Resampling and Lotus, Together They Make Teaching the Ideas Behind the Pooled t-test a Lot Easier, with B. A. Price, *Decision Line*, September/October, 1995, pp. 16-18.

W. E. Deming, Quality and the Inspection Decision: A Statistical Decision Theory Approach, *Southeast Decision Sciences Institute Proceedings*, 1995, pp. 284-286.

A Derivation of the Rule of 72, with A. J. Lerro, *Coastal Business Review*, 1994, pp. 27-29.

Spurious Correlation in Regression Analysis, *Business and Economic Review*, Fall, 1991, pp. 107-112.

Insider Trading From 1934-1987, with A. J. Lerro, *Lander Business Review*, Winter, 1988, pp. 9-11.

Insider Trading Cases in Need of Pointed Resolution, with A. J. Lerro, *The Business Journal*, September 14, 1987, p. 5.

Effects of Dialect on Employers' Perceptions During the Selection Interview, with E. C. Ward, and C. P. Sturkey, *The Ohio Business Teacher*, April, 1987, pp. 14-20.

A Bayesian Analysis of Drug Testing, Quality Control and Physical Inventory Policies, with H. C. Haynsworth, *Southeast TIMS Proceedings*, 1986, pp. 220-222.

A Comparison of Goal Programming and Multiobjective Linear Programming, with A. J. Lerro, *The Mid-Atlantic Journal of Business*, Winter, 1984/85, pp. 35-44.

A Model to Systematically Enumerate Near Optimal Solutions in Linear Programming, with H.C. Haynsworth, *Southeast TIMS Proceedings*, 1983, pp. 430-436.

An Empirical Analysis of the Cost of Capital for Selected Textile Firms, with A. J. Lerro, *Southeast Decision Sciences Institute Proceedings*, 1982, pp. 65-67.

Mathematical Programming for Multiple Objectives, with A. J. Lerro, *William and Mary Business Review*, 1981, pp. 16-21.

Understanding Beta, Part II, with A. J. Lerro, *The Financial Planner*, February, 1979, pp. 25-27.

Understanding Beta, Part I, with A. J. Lerro, *The Financial Planner*, January, 1979, pp. 32-36.

An Integer Goal Programming Approach to the Location of Bank Branches, presented at the *Southwest American Institute of Decision Sciences*, 1979.

To Lease or Buy: Decision by Comparative Analysis, with A. J. Lerro, *Southern Banker*, April, 1978, pp. 46-47.

A Multi-Objective Approach to the Plant Location Problem, *Southeast American Institute of Decision Sciences Proceedings*, 1978, pp. 65-67.

Current Developments in Goal Programming, *Clemson Review*, Spring, 1978, pp. 47-53.

Optimization of the Fixed-Charge Problem with Multiple Objectives, with S. M. Lee and L. Franz, *National American Institute of Decision Sciences Proceedings*, 1977, p. 584.

Applications of Integer Goal Programming, *Southeast American Institute of Decision Sciences Proceedings*, 1977, pp. 45-47.

Integer Goal Programming Methods, with S. M. Lee, *TIMS Studies in the Management Sciences*, (special edition of *Management Science*) 1977, pp. 273-289.

Newspaper Articles

Video Poker's 80 Percent Payout Policy: License to Steal, with H.C. Haynsworth, *Greenville, SC, News*, December 17, 1997.

Video Poker Needs Better Odds, with H.C. Haynsworth, *Columbia, SC, State*, February 10, 1998.

Major Committee and Administrative Assignments

Academic Council, Chair

Campus-wide and College of Business Petitions Committees, Chair of both

Committee on Undergraduate Instruction, Chair

College of Business Curriculum Committee, Chair

College of Business Graduate Programs Committee, Chair

College of Business Graduate Petitions Committee, Chair

College of Business Gift Fund, Chair

Faculty Development Committee, Chair

Wachovia Teaching Award Committee, Chair

College of Business Personnel Committee, Chair

Winthrop Personnel Committee

Computer Utilization Committee

Task Force on Goals and Objectives for Student Learning

Subcommittee to Revise QMD 205 (Undergraduate Statistics Course), Chair

Task Force on Quantitative Sequence, Chair

College of Business Graduate Petitions Committee

Task Force to Revise the Five-Year Plan, Chair

Task Force to Revise the Undergraduate Curriculum, Chair

College of Business Awards Committee, Chair
Task Force to Revise the MBA Program, Chair
Task Force on Scholarship, Chair
Social Activities Committee, Chair

Awards

Wachovia Excellence in Teaching Award (twice, 1987 and 2003)

Beta Gamma Sigma Faculty Honoree (twice)

Phi Kappa Phi Faculty Honoree

Have Served as Advisor to the Following Student Organizations

Beta Gamma Sigma Business Honorary Fraternity

Phi Kappa Phi Social Fraternity

Thompson Social Club

Winthrop Wrestling Club

Crew Member of the Winning Boat in the Great Recyclable Boat Race (MBA Association)

Other Professional Activities

Various computer seminars at Joynes Center for Continuing Education, including basic computer literacy, WordStar 2000, WordPerfect and Lotus 1-2-3. These seminars were mostly for business people but also included high school students and Elderhostel participants.

Conducted seminars for School of Business faculty as part of faculty development program in computer expertise. The seminars were in DOS and Lotus 1-2-3.

Delivered talks on the stock market to various groups of high school students.

Developed a computer needs survey for Rock Hill School District Number Three.

Acted as an expert witness in a court case.

Analysis of operator interference (time spent waiting for service) in textile machinery.

Analyzed sales of dry goods in a major retail chain.

Served as paper reviewer and discussant at professional conferences.