

Bert M. Steece

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Information and Operations Management
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Education

PhD, USC, 1974.
Major: Statistics, Econometrics, Mathematical Economics

A.M., USC, 1969.
Major: Mathematics, Econometrics, Statistics

Positions Held at USC Marshall

Professor, Information and Operations Management. (1986 - Present).
Member and Chair, Promotion/Tenure Committee. (2002 - 2005).
Deputy Dean of Academic Programs. (1999 - 2001).
Director of Doctoral Program. (1988 - 2001).
Deputy Dean of Faculty. (1996 - 1999).
Dean of Faculty. (1989 - 1996).
Director of Doctoral Program. (1987 - 1991).
Chair, Information and Operations Management. (1987 - 1989).
Member and Chair, Promotion/Tenure Committee. (1984 - 1986).
Associate Professor, Information and Operations Management. (1981 - 1985).

Other Positions

Faculty Research Fellow, University of Minnesota. (2001 - 2002).
Member of Technical Staff, Operations Research, Jet Propulsion Laboratory. (1975 - 1977).
Assistant Professor, Arizona State University, Department of Quantitative Methods. (1974 - 1975).
Instructor, USC, Department of Quantitative Business Analysis. (1971 - 1973).
Applied Statistician, The RAND Corporation. (1967 - 1970).

USC Seminar Participation

Statistics Seminars.

Awards and Honors

Best Conference Paper 1999, Institute of Parametric Cost Analysts 1999.

Outstanding Paper Software Track, Institute of Parametric Cost Analysts 1999.

TEACHING

Teaching Experience

University of Southern California

BUAD 310, Applied Business Statistics, 3 courses.

GSBA 506, Applied Managerial Statistics, 1 course.

GSBA 595, Internship in Business, 1 course.

GSBA 604, Regression and Generalized Linear Models for Business Applications, 4 courses.

IOM 590, Directed Research, 1 course.

IOM 597, Business Field Project in Information and Operations Management, 1 course.

Directed Student Learning

Fortune, Jared, ISE. (February 2008 - December 2009).

Perez, Gustavo, Computer Science. (January 2007 - December 2008).

Vu, Nguyen, Computer Dscience. (January 2007 - December 2008).

Chen, Yue, Computer Science. (January 2006 - December 2007).

Wu, Danni, Computer Science. (September 2006 - June 2007).

Zhou, Zhiang, ISE. (January 2006 - July 2006).

Awards and Honors

Newcomben Society Teaching Award.

RESEARCH

Published Intellectual Contributions

Books

Steece, B. M., Boehn, Barry (2000). *Software Cost Estimation with Cocomo II*. Prentice-Hall.

Book Chapters

Steece, B. M., Boehm, B., Chulani, S. (2002). Determining Software Quality Using COQUALMO. (Ed.), *Cases Studies in Reliability*. J. Wiley.

Refereed Journal Articles

Steece, B. M., Boehm, B., Baik (2002). The Effect of CASE Tools on Software Development Effort. *IEEE Transactions on Software Engineering*.

- Steece, B. M., Boehm, B., Chulani, S. (2000). Cocomo II and Future Trends. *The Journal of Defense Engineering*.
- Steece, B. M., Boehm, B. (1999). Calibrating Software Cost Estimation Models Using Bayesian Analysis. *IEEE Transactions on Software Engineering Special Issue on Empirical Methods*.
- Steece, B. M. (1999). From Multiple Regression to Bayesian Analysis for COCOMO II. *International Society of Parametric Analysts*.
- Steece, B. M., Harwood, E. (1994). Event Studies, Seemingly Unrelated Regression, and Dummy Variables. *Accounting Review*, 67.
- Steece, B. M. (1989). The Bayesian Hat Matrix. *Biometrical Journal*.
- Steece, B. M., Moore, M., Swenson, C. (1987). The Influence of the Unitary Tax on Business Investment. *Accounting Review*, 62.
- Steece, B. M. (1986). Ex Ante Procedures for Evaluating Forecasting Models. *Engineering and Production Economics*, 10.
- Steece, B. M. (1986). Regressor Space Outliers in Ridge Regression. *Communications in Statistics*, 15.
- Steece, B. M. (1985). A Test for the Equivalence of K ARMA Time Series Models. *Empirical Economics*, 10.
- Steece, B. M. (1985). Diagnostic Measures of Influence for S2. *Biometrical Journal*, 27.
- Swenson, C. W., Moore, M., Steece, B. M. (1985). Some Empirical Evidence on Taxpayer Rationality. *The Accounting Review*.
- Steece, B. M., Eberts, R. (1984). A Test for Casuality in Multivariate ARMA Models. *Empirical Economics*, 9.
- Steece, B. M. (1982). Evaluating Forecasting Accuracy. *A Handbook for Forecasting*.
- Steece, B. M. (1981). A Principal Component Decomposition of Experimental Designs. *Metrika*, 22.
- Steece, B. M., Wood, S. (1979). A Cost Minimization Forecasting Methodology for a Classified Inventory Environment. *Management Science*, 12.
- Steece, B. M. (1979). Model Adequacy: A Bayesian Viewpoint. *Communications in Statistics Theory and Methodology*, 8.
- Steece, B. M., Wood, S. (1978). Forecasting the Product of Two Time Series Forecasts. *Management Science*, 24.
- Steece, B. M. (1978). The Distributions for Quotients of Correlated Log-Normal and Correlated Gamma Variates. *Metron*, 36.
- Steece, B. M. (1977). Some Applications of Integral Transforms in Statistics. *Estadistica*, 31.
- Steece, B. M. (1976). An Exact Distribution for the Product of Two Independent Beta Distributed Random Variable. *Metron*, 34.

Steece, B. M. (1976). The Implications of a Certain Variable Selection Criterion in Regression Analysis. *The Statistician*, 23.

Presentations Given

Joint Statistical Meetings, Discussant, Salt Lake City. (2007).

Awards and Honors

Best paper 1985, American Tax Association.

Best paper 1986, American Tax Association.

Best theoretical paper 1978, Decision Sciences.

SERVICE

Refereeing Activities

"Mathematical Reviews", American Mathematical Association. (January 1997 - Present).

General Service

Departmental

Department Chair, PROVOST OFFICE - UCAR REVIEW.

Chair IOM. (September 2006 - Present).

School

Member. (September 2004 - June 2006).

Consulting

Litigation, LECG Microsoft, Los Angeles Boston. (May 2007 - August 2007).

Awards and Honors

Service, Professional

President, Western Region Decision Sciences.