

WILEY SERIES IN PROBABILITY AND STATISTICS

ESTABLISHED BY WALTER A. SHEWHART AND SAMUEL S. WILKS

Editors: *David J. Balding, Noel A. C. Cressie, Nicholas I. Fisher,
Iain M. Johnstone, J. B. Kadane, Geert Molenberghs, Louise M. Ryan,
David W. Scott, Adrian F. M. Smith, Jozef L. Teugels*

Editors Emeriti: *Vic Barnett, J. Stuart Hunter, David G. Kendall*

The *Wiley Series in Probability and Statistics* is well established and authoritative. It covers many topics of current research interest in both pure and applied statistics and probability theory. Written by leading statisticians and institutions, the titles span both state-of-the-art developments in the field and classical methods.

Reflecting the wide range of current research in statistics, the series encompasses applied, methodological and theoretical statistics, ranging from applications and new techniques made possible by advances in computerized practice to rigorous treatment of theoretical approaches.

This series provides essential and invaluable reading for all statisticians, whether in academia, industry, government, or research.

- † ABRAHAM and LEDOLTER · Statistical Methods for Forecasting
- AGRESTI · Analysis of Ordinal Categorical Data
- AGRESTI · An Introduction to Categorical Data Analysis
- AGRESTI · Categorical Data Analysis, *Second Edition*
- ALTMAN, GILL, and McDONALD · Numerical Issues in Statistical Computing for the Social Scientist
- AMARATUNGA and CABRERA · Exploration and Analysis of DNA Microarray and Protein Array Data
- ANDÉL · Mathematics of Chance
- ANDERSON · An Introduction to Multivariate Statistical Analysis, *Third Edition*
- * ANDERSON · The Statistical Analysis of Time Series
- ANDERSON, AUQUIER, HAUCK, OAKES, VANDAELE, and WEISBERG · Statistical Methods for Comparative Studies
- ANDERSON and LOYNES · The Teaching of Practical Statistics
- ARMITAGE and DAVID (editors) · Advances in Biometry
- ARNOLD, BALAKRISHNAN, and NAGARAJA · Records
- * ARTHANARI and DODGE · Mathematical Programming in Statistics
- * BAILEY · The Elements of Stochastic Processes with Applications to the Natural Sciences
- BALAKRISHNAN and KOUTRAS · Runs and Scans with Applications
- BALAKRISHNAN and NG · Precedence-Type Tests and Applications
- BARNETT · Comparative Statistical Inference, *Third Edition*
- BARNETT · Environmental Statistics
- BARNETT and LEWIS · Outliers in Statistical Data, *Third Edition*
- BARTOSZYNSKI and NIEWIADOMSKA-BUGAJ · Probability and Statistical Inference
- BASILEVSKY · Statistical Factor Analysis and Related Methods: Theory and Applications
- BASU and RIGDON · Statistical Methods for the Reliability of Repairable Systems
- BATES and WATTS · Nonlinear Regression Analysis and Its Applications
- BECHHOFFER, SANTNER, and GOLDSMAN · Design and Analysis of Experiments for Statistical Selection, Screening, and Multiple Comparisons

*Now available in a lower priced paperback edition in the Wiley Classics Library.

†Now available in a lower priced paperback edition in the Wiley-Interscience Paperback Series.

Regression Analysis by Example, Fourth Edition. By Samprit Chatterjee and Ali S. Hadi
Copyright © 2006 John Wiley & Sons, Inc.

- BELSLEY · Conditioning Diagnostics: Collinearity and Weak Data in Regression
- † BELSLEY, KUH, and WELSCH · Regression Diagnostics: Identifying Influential Data and Sources of Collinearity
- BENDAT and PIERSOL · Random Data: Analysis and Measurement Procedures, *Third Edition*
- BERRY, CHALONER, and GEWEKE · Bayesian Analysis in Statistics and Econometrics: Essays in Honor of Arnold Zellner
- BERNARDO and SMITH · Bayesian Theory
- BHAT and MILLER · Elements of Applied Stochastic Processes, *Third Edition*
- BHATTACHARYA and WAYMIRE · Stochastic Processes with Applications
- † BIEMER, GROVES, LYBERG, MATHIOWETZ, and SUDMAN · Measurement Errors in Surveys
- BILLINGSLEY · Convergence of Probability Measures, *Second Edition*
- BILLINGSLEY · Probability and Measure, *Third Edition*
- BIRKES and DODGE · Alternative Methods of Regression
- BLISCHKE AND MURTHY (editors) · Case Studies in Reliability and Maintenance
- BLISCHKE AND MURTHY · Reliability: Modeling, Prediction, and Optimization
- BLOOMFIELD · Fourier Analysis of Time Series: An Introduction, *Second Edition*
- BOLLEN · Structural Equations with Latent Variables
- BOLLEN and CURRAN · Latent Curve Models: A Structural Equation Perspective
- BOROVKOV · Ergodicity and Stability of Stochastic Processes
- BOULEAU · Numerical Methods for Stochastic Processes
- BOX · Bayesian Inference in Statistical Analysis
- BOX · R. A. Fisher, the Life of a Scientist
- BOX and DRAPER · Empirical Model-Building and Response Surfaces
- * BOX and DRAPER · Evolutionary Operation: A Statistical Method for Process Improvement
- BOX and FRIENDS · Improving Almost Anything, *Revised Edition*
- BOX, HUNTER, and HUNTER · Statistics for Experimenters: Design, Innovation, and Discovery, *Second Edition*
- BOX and LUCENO · Statistical Control by Monitoring and Feedback Adjustment
- BRANDIMARTE · Numerical Methods in Finance: A MATLAB-Based Introduction
- BROWN and HOLLANDER · Statistics: A Biomedical Introduction
- BRUNNER, DOMHOF, and LANGER · Nonparametric Analysis of Longitudinal Data in Factorial Experiments
- BUCKLEW · Large Deviation Techniques in Decision, Simulation, and Estimation
- CAIROLI and DALANG · Sequential Stochastic Optimization
- CASTILLO, HADI, BALAKRISHNAN, and SARABIA · Extreme Value and Related Models with Applications in Engineering and Science
- CHAN · Time Series: Applications to Finance
- CHARALAMBIDES · Combinatorial Methods in Discrete Distributions
- CHATTERJEE and HADI · Regression Analysis by Example, *Fourth Edition*
- CHATTERJEE and HADI · Sensitivity Analysis in Linear Regression
- CHERNICK · Bootstrap Methods: A Practitioner's Guide
- CHERNICK and FRIIS · Introductory Biostatistics for the Health Sciences
- CHILÈS and DELFINER · Geostatistics: Modeling Spatial Uncertainty
- CHOW and LIU · Design and Analysis of Clinical Trials: Concepts and Methodologies, *Second Edition*
- CLARKE and DISNEY · Probability and Random Processes: A First Course with Applications, *Second Edition*
- * COCHRAN and COX · Experimental Designs, *Second Edition*
- CONGDON · Applied Bayesian Modelling
- CONGDON · Bayesian Models for Categorical Data
- CONGDON · Bayesian Statistical Modelling

*Now available in a lower priced paperback edition in the Wiley Classics Library.

†Now available in a lower priced paperback edition in the Wiley-Interscience Paperback Series.

- CONOVER · Practical Nonparametric Statistics, *Third Edition*
- COOK · Regression Graphics
- COOK and WEISBERG · Applied Regression Including Computing and Graphics
- COOK and WEISBERG · An Introduction to Regression Graphics
- CORNELL · Experiments with Mixtures, Designs, Models, and the Analysis of Mixture Data, *Third Edition*
- COVER and THOMAS · Elements of Information Theory
- COX · A Handbook of Introductory Statistical Methods
- * COX · Planning of Experiments
- CRESSIE · Statistics for Spatial Data, *Revised Edition*
- CSÖRGÖ and HORVÁTH · Limit Theorems in Change Point Analysis
- DANIEL · Applications of Statistics to Industrial Experimentation
- DANIEL · Biostatistics: A Foundation for Analysis in the Health Sciences, *Eighth Edition*
- * DANIEL · Fitting Equations to Data: Computer Analysis of Multifactor Data, *Second Edition*
- DASU and JOHNSON · Exploratory Data Mining and Data Cleaning
- DAVID and NAGARAJA · Order Statistics, *Third Edition*
- * DEGROOT, FIENBERG, and KADANE · Statistics and the Law
- DEL CASTILLO · Statistical Process Adjustment for Quality Control
- DEMARIS · Regression with Social Data: Modeling Continuous and Limited Response Variables
- DEMIDENKO · Mixed Models: Theory and Applications
- DEINSON, HOLMES, MALLICK and SMITH · Bayesian Methods for Nonlinear Classification and Regression
- DETTE and STUDDEN · The Theory of Canonical Moments with Applications in Statistics, Probability, and Analysis
- DEY and MUKERJEE · Fractional Factorial Plans
- DILLON and GOLDSTEIN · Multivariate Analysis: Methods and Applications
- DODGE · Alternative Methods of Regression
- * DODGE and ROMIG · Sampling Inspection Tables, *Second Edition*
- * DOOB · Stochastic Processes
- DOWDY, WEARDEN, and CHILKO · Statistics for Research, *Third Edition*
- DRAPER and SMITH · Applied Regression Analysis, *Third Edition*
- DRYDEN and MARDIA · Statistical Shape Analysis
- DUDEWICZ and MISHRA · Modern Mathematical Statistics
- DUNN and CLARK · Basic Statistics: A Primer for the Biomedical Sciences, *Third Edition*
- DUPUIS and ELLIS · A Weak Convergence Approach to the Theory of Large Deviations
- EDLER and KITSOS · Recent Advances in Quantitative Methods in Cancer and Human Health Risk Assessment
- * ELANDT-JOHNSON and JOHNSON · Survival Models and Data Analysis
- ENDERS · Applied Econometric Time Series
- † ETHIER and KURTZ · Markov Processes: Characterization and Convergence
- EVANS, HASTINGS, and PEACOCK · Statistical Distributions, *Third Edition*
- FELLER · An Introduction to Probability Theory and Its Applications, Volume I, *Third Edition, Revised*; Volume II, *Second Edition*
- FISHER and VAN BELLE · Biostatistics: A Methodology for the Health Sciences
- FITZMAURICE, LAIRD, and WARE · Applied Longitudinal Analysis
- * FLEISS · The Design and Analysis of Clinical Experiments
- FLEISS · Statistical Methods for Rates and Proportions, *Third Edition*
- † FLEMING and HARRINGTON · Counting Processes and Survival Analysis
- FULLER · Introduction to Statistical Time Series, *Second Edition*
- FULLER · Measurement Error Models

*Now available in a lower priced paperback edition in the Wiley Classics Library.

†Now available in a lower priced paperback edition in the Wiley-Interscience Paperback Series.

- GALLANT · Nonlinear Statistical Models
- GEISSER · Modes of Parametric Statistical Inference
- GELMAN and MENG · Applied Bayesian Modeling and Causal Inference from Incomplete-Data Perspectives
- GEWEKE · Contemporary Bayesian Econometrics and Statistics
- GHOSH, MUKHOPADHYAY, and SEN · Sequential Estimation
- GIESBRECHT and GUMPERTZ · Planning, Construction, and Statistical Analysis of Comparative Experiments
- GIFI · Nonlinear Multivariate Analysis
- GIVENS and HOETING · Computational Statistics
- GLASSERMAN and YAO · Monotone Structure in Discrete-Event Systems
- GNANADESIKAN · Methods for Statistical Data Analysis of Multivariate Observations, *Second Edition*
- GOLDSTEIN and LEWIS · Assessment: Problems, Development, and Statistical Issues
- GREENWOOD and NIKULIN · A Guide to Chi-Squared Testing
- GROSS and HARRIS · Fundamentals of Queueing Theory, *Third Edition*
- * HAHN and SHAPIRO · Statistical Models in Engineering
- HAHN and MEEKER · Statistical Intervals: A Guide for Practitioners
- HALD · A History of Probability and Statistics and their Applications Before 1750
- HALD · A History of Mathematical Statistics from 1750 to 1930
- † HAMPEL · Robust Statistics: The Approach Based on Influence Functions
- HANNAN and DEISTLER · The Statistical Theory of Linear Systems
- HEIBERGER · Computation for the Analysis of Designed Experiments
- HEDAYAT and SINHA · Design and Inference in Finite Population Sampling
- HEDEKER and GIBBONS · Longitudinal Data Analysis
- HELLER · MACSYMA for Statisticians
- HINKELMANN and KEMPTHORNE · Design and Analysis of Experiments, Volume 1: Introduction to Experimental Design
- HINKELMANN and KEMPTHORNE · Design and Analysis of Experiments, Volume 2: Advanced Experimental Design
- HOAGLIN, MOSTELLER, and TUKEY · Exploratory Approach to Analysis of Variance
- * HOAGLIN, MOSTELLER, and TUKEY · Exploring Data Tables, Trends and Shapes
- * HOAGLIN, MOSTELLER, and TUKEY · Understanding Robust and Exploratory Data Analysis
- HOCHBERG and TAMHANE · Multiple Comparison Procedures
- HOCKING · Methods and Applications of Linear Models: Regression and the Analysis of Variance, *Second Edition*
- HOEL · Introduction to Mathematical Statistics, *Fifth Edition*
- HOGG and KLUGMAN · Loss Distributions
- HOLLANDER and WOLFE · Nonparametric Statistical Methods, *Second Edition*
- HOSMER and LEMESHOW · Applied Logistic Regression, *Second Edition*
- HOSMER and LEMESHOW · Applied Survival Analysis: Regression Modeling of Time to Event Data
- † HUBER · Robust Statistics
- HUBERTY · Applied Discriminant Analysis
- HUBERTY and OLEJNIK · Applied MANOVA and Discriminant Analysis, *Second Edition*
- HUNT and KENNEDY · Financial Derivatives in Theory and Practice, *Revised Edition*
- HUSKOVA, BERAN, and DUPAC · Collected Works of Jaroslav Hajek—with Commentary
- HUZURBAZAR · Flowgraph Models for Multistate Time-to-Event Data
- IMAN and CONOVER · A Modern Approach to Statistics

*Now available in a lower priced paperback edition in the Wiley Classics Library.

†Now available in a lower priced paperback edition in the Wiley-Interscience Paperback Series.

- † JACKSON · A User's Guide to Principle Components
 JOHN · Statistical Methods in Engineering and Quality Assurance
 JOHNSON · Multivariate Statistical Simulation
 JOHNSON and BALAKRISHNAN · Advances in the Theory and Practice of Statistics: A Volume in Honor of Samuel Kotz
 JOHNSON and BHATTACHARYYA · Statistics: Principles and Methods, *Fifth Edition*
 JOHNSON and KOTZ · Distributions in Statistics
 JOHNSON and KOTZ (editors) · Leading Personalities in Statistical Sciences: From the Seventeenth Century to the Present
 JOHNSON, KOTZ, and BALAKRISHNAN · Continuous Univariate Distributions, Volume 1, *Second Edition*
 JOHNSON, KOTZ, and BALAKRISHNAN · Continuous Univariate Distributions, Volume 2, *Second Edition*
 JOHNSON, KOTZ, and BALAKRISHNAN · Discrete Multivariate Distributions
 JOHNSON, KEMP, and KOTZ · Univariate Discrete Distributions, *Third Edition*
 JUDGE, GRIFFITHS, HILL, LÜTKEPOHL, and LEE · The Theory and Practice of Econometrics, *Second Edition*
 JUREČKOVÁ and SEN · Robust Statistical Procedures: Aymptotics and Interrelations
 JUREK and MASON · Operator-Limit Distributions in Probability Theory
 KADANE · Bayesian Methods and Ethics in a Clinical Trial Design
 KADANE AND SCHUM · A Probabilistic Analysis of the Sacco and Vanzetti Evidence
 KALBFLEISCH and PRENTICE · The Statistical Analysis of Failure Time Data, *Second Edition*
 KARIYA and KURATA · Generalized Least Squares
 KASS and VOS · Geometrical Foundations of Asymptotic Inference
 † KAUFMAN and ROUSSEEUW · Finding Groups in Data: An Introduction to Cluster Analysis
 KEDEM and FOKIANOS · Regression Models for Time Series Analysis
 KENDALL, BARDEN, CARNE, and LE · Shape and Shape Theory
 KHURI · Advanced Calculus with Applications in Statistics, *Second Edition*
 KHURI, MATHEW, and SINHA · Statistical Tests for Mixed Linear Models
 * KISH · Statistical Design for Research
 KLEIBER and KOTZ · Statistical Size Distributions in Economics and Actuarial Sciences
 KLUGMAN, PANJER, and WILLMOT · Loss Models: From Data to Decisions, *Second Edition*
 KLUGMAN, PANJER, and WILLMOT · Solutions Manual to Accompany Loss Models: From Data to Decisions, *Second Edition*
 KOTZ, BALAKRISHNAN, and JOHNSON · Continuous Multivariate Distributions, Volume 1, *Second Edition*
 KOTZ and JOHNSON (editors) · Encyclopedia of Statistical Sciences: Volumes 1 to 9 with Index
 KOTZ and JOHNSON (editors) · Encyclopedia of Statistical Sciences: Supplement Volume
 KOTZ, READ, and BANKS (editors) · Encyclopedia of Statistical Sciences: Update Volume 1
 KOTZ, READ, and BANKS (editors) · Encyclopedia of Statistical Sciences: Update Volume 2
 KOVALENKO, KUZNETZOV, and PEGG · Mathematical Theory of Reliability of Time-Dependent Systems with Practical Applications
 LACHIN · Biostatistical Methods: The Assessment of Relative Risks
 LAD · Operational Subjective Statistical Methods: A Mathematical, Philosophical, and Historical Introduction
 LAMPERTI · Probability: A Survey of the Mathematical Theory, *Second Edition*

*Now available in a lower priced paperback edition in the Wiley Classics Library.

†Now available in a lower priced paperback edition in the Wiley-Interscience Paperback Series.

- LANGE, RYAN, BILLARD, BRILLINGER, CONQUEST, and GREENHOUSE · Case Studies in Biometry
- LARSON · Introduction to Probability Theory and Statistical Inference, *Third Edition*
- LAWLESS · Statistical Models and Methods for Lifetime Data, *Second Edition*
- LAWSON · Statistical Methods in Spatial Epidemiology
- LE · Applied Categorical Data Analysis
- LE · Applied Survival Analysis
- LEE and WANG · Statistical Methods for Survival Data Analysis, *Third Edition*
- LEPAGE and BILLARD · Exploring the Limits of Bootstrap
- LEYLAND and GOLDSTEIN (editors) · Multilevel Modelling of Health Statistics
- LIAO · Statistical Group Comparison
- LINDVALL · Lectures on the Coupling Method
- LIN · Introductory Stochastic Analysis for Finance and Insurance
- LINHART and ZUCCHINI · Model Selection
- LITTLE and RUBIN · Statistical Analysis with Missing Data, *Second Edition*
- LLOYD · The Statistical Analysis of Categorical Data
- LOWEN and TEICH · Fractal-Based Point Processes
- MAGNUS and NEUDECKER · Matrix Differential Calculus with Applications in Statistics and Econometrics, *Revised Edition*
- MALLER and ZHOU · Survival Analysis with Long Term Survivors
- MALLOWS · Design, Data, and Analysis by Some Friends of Cuthbert Daniel
- MANN, SCHAFER, and SINGPURWALLA · Methods for Statistical Analysis of Reliability and Life Data
- MANTON, WOODBURY, and TOLLEY · Statistical Applications Using Fuzzy Sets
- MARCHETTE · Random Graphs for Statistical Pattern Recognition
- MARDIA and JUPP · Directional Statistics
- MASON, GUNST, and HESS · Statistical Design and Analysis of Experiments with Applications to Engineering and Science, *Second Edition*
- McCULLOCH and SEARLE · Generalized, Linear, and Mixed Models
- McFADDEN · Management of Data in Clinical Trials
- * McLACHLAN · Discriminant Analysis and Statistical Pattern Recognition
- McLACHLAN, DO, and AMBROISE · Analyzing Microarray Gene Expression Data
- McLACHLAN and KRISHNAN · The EM Algorithm and Extensions
- McLACHLAN and PEEL · Finite Mixture Models
- McNEIL · Epidemiological Research Methods
- MEEKER and ESCOBAR · Statistical Methods for Reliability Data
- MEERSCHAERT and SCHEFFLER · Limit Distributions for Sums of Independent Random Vectors: Heavy Tails in Theory and Practice
- MICKEY, DUNN, and CLARK · Applied Statistics: Analysis of Variance and Regression, *Third Edition*
- * MILLER · Survival Analysis, *Second Edition*
- MONTGOMERY, PECK, and VINING · Introduction to Linear Regression Analysis, *Third Edition*
- MORGENTHAUER and TUKEY · Configural Polysampling: A Route to Practical Robustness
- MUIRHEAD · Aspects of Multivariate Statistical Theory
- MULLER and STOYAN · Comparison Methods for Stochastic Models and Risks
- MURRAY · X-STAT 2.0 Statistical Experimentation, Design Data Analysis, and Nonlinear Optimization
- MURTHY, XIE, and JIANG · Weibull Models
- MYERS and MONTGOMERY · Response Surface Methodology: Process and Product Optimization Using Designed Experiments, *Second Edition*
- MYERS, MONTGOMERY, and VINING · Generalized Linear Models. With Applications in Engineering and the Sciences

*Now available in a lower priced paperback edition in the Wiley Classics Library.

†Now available in a lower priced paperback edition in the Wiley-Interscience Paperback Series.

- † NELSON · Accelerated Testing, Statistical Models, Test Plans, and Data Analyses
- † NELSON · Applied Life Data Analysis
- NEWMAN · Biostatistical Methods in Epidemiology
- OCHI · Applied Probability and Stochastic Processes in Engineering and Physical Sciences
- OKABE, BOOTS, SUGIHARA, and CHIU · Spatial Tesselations: Concepts and Applications of Voronoi Diagrams, *Second Edition*
- OLIVER and SMITH · Influence Diagrams, Belief Nets and Decision Analysis
- PALTA · Quantitative Methods in Population Health: Extensions of Ordinary Regressions
- PANKRATZ · Forecasting with Dynamic Regression Models
- PANKRATZ · Forecasting with Univariate Box-Jenkins Models: Concepts and Cases
- * PARZEN · Modern Probability Theory and Its Applications
- PENÁ, TIAO, and TSAY · A Course in Time Series Analysis
- PIANTADOSI · Clinical Trials: A Methodologic Perspective
- PORT · Theoretical Probability for Applications
- POURAHMADI · Foundations of Time Series Analysis and Prediction Theory
- PRESS · Bayesian Statistics: Principles, Models, and Applications
- PRESS · Subjective and Objective Bayesian Statistics, *Second Edition*
- PRESS and TANUR · The Subjectivity of Scientists and the Bayesian Approach
- PUKELSHEIM · Optimal Experimental Design
- PURI, VILAPLANA, and WERTZ · New Perspectives in Theoretical and Applied Statistics
- † PUTERMAN · Markov Decision Processes: Discrete Stochastic Dynamic Programming
- QIU · Image Processing and Jump Regression Analysis
- * RAO · Linear Statistical Inference and Its Applications, *Second Edition*
- RAUSAND and HØYLAND · System Reliability Theory: Models, Statistical Methods, and Applications, *Second Edition*
- RENCER · Linear Models in Statistics
- RENCER · Methods of Multivariate Analysis, *Second Edition*
- RENCER · Multivariate Statistical Inference with Applications
- * RIPLEY · Spatial Statistics
- * RIPLEY · Stochastic Simulation
- ROBINSON · Practical Strategies for Experimenting
- ROHATGI and SALEH · An Introduction to Probability and Statistics, *Second Edition*
- ROLSKI, SCHMIDLI, SCHMIDT, and TEUGELS · Stochastic Processes for Insurance and Finance
- ROSENBERGER and LACHIN · Randomization in Clinical Trials: Theory and Practice
- ROSS · Introduction to Probability and Statistics for Engineers and Scientists
- ROSSI, ALLENBY, and McCULLOCH · Bayesian Statistics and Marketing
- † ROUSSEUW and LEROY · Robust Regression and Outlier Detection
- * RUBIN · Multiple Imputation for Nonresponse in Surveys
- RUBINSTEIN · Simulation and the Monte Carlo Method
- RUBINSTEIN and MELAMED · Modern Simulation and Modeling
- RYAN · Modern Regression Methods
- RYAN · Statistical Methods for Quality Improvement, *Second Edition*
- SALEH · Theory of Preliminary Test and Stein-Type Estimation with Applications
- * SCHEFFE · The Analysis of Variance
- SCHIMEK · Smoothing and Regression: Approaches, Computation, and Application
- SCHOTT · Matrix Analysis for Statistics, *Second Edition*
- SCHOUTENS · Levy Processes in Finance: Pricing Financial Derivatives
- SCHUSS · Theory and Applications of Stochastic Differential Equations
- SCOTT · Multivariate Density Estimation: Theory, Practice, and Visualization
- † SEARLE · Linear Models for Unbalanced Data
- † SEARLE · Matrix Algebra Useful for Statistics

*Now available in a lower priced paperback edition in the Wiley Classics Library.

†Now available in a lower priced paperback edition in the Wiley-Interscience Paperback Series.

- † SEARLE, CASELLA, and McCULLOCH · Variance Components
 SEARLE and WILLETT · Matrix Algebra for Applied Economics
 SEBER and LEE · Linear Regression Analysis, *Second Edition*
- † SEBER · Multivariate Observations
- † SEBER and WILD · Nonlinear Regression
- SENNOTT · Stochastic Dynamic Programming and the Control of Queuing Systems
- * SERFLING · Approximation Theorems of Mathematical Statistics
- SHAFFER and VOVK · Probability and Finance: It's Only a Game!
- SILVAPULLE and SEN · Constrained Statistical Inference: Inequality, Order, and Shape Restrictions
- SMALL and MCLEISH · Hilbert Space Methods in Probability and Statistical Inference
- SRIVASTAVA · Methods of Multivariate Statistics
- STAPLETON · Linear Statistical Models
- STAUDTE and SHEATHER · Robust Estimation and Testing
- STOYAN, KENDALL, and MECKE · Stochastic Geometry and Its Applications, *Second Edition*
- STOYAN and STOYAN · Fractals, Random Shapes and Point Fields: Methods of Geometrical Statistics
- STYAN · The Collected Papers of T. W. Anderson: 1943–1985
- SUTTON, ABRAMS, JONES, SHELDON, and SONG · Methods for Meta-Analysis in Medical Research
- TAKEZAWA · Introduction to Nonparametric Regression
- TANAKA · Time Series Analysis: Nonstationary and Noninvertible Distribution Theory
- THOMPSON · Empirical Model Building
- THOMPSON · Sampling, *Second Edition*
- THOMPSON · Simulation: A Modeler's Approach
- THOMPSON and SEBER · Adaptive Sampling
- THOMPSON, WILLIAMS, and FINDLAY · Models for Investors in Real World Markets
- TIAO, BISGAARD, HILL, PEÑA, and STIGLER (editors) · Box on Quality and Discovery: with Design, Control, and Robustness
- TIERNEY · LISP-STAT: An Object-Oriented Environment for Statistical Computing and Dynamic Graphics
- TSAY · Analysis of Financial Time Series, *Second Edition*
- UPTON and FINGLETON · Spatial Data Analysis by Example, Volume II: Categorical and Directional Data
- VAN BELLE · Statistical Rules of Thumb
- VAN BELLE, FISHER, HEAGERTY, and LUMLEY · Biostatistics: A Methodology for the Health Sciences, *Second Edition*
- VESTRUP · The Theory of Measures and Integration
- VIDAKOVIC · Statistical Modeling by Wavelets
- VINOD and REAGLE · Preparing for the Worst: Incorporating Downside Risk in Stock Market Investments
- WALLER and GOTWAY · Applied Spatial Statistics for Public Health Data
- WEERAHANDI · Generalized Inference in Repeated Measures: Exact Methods in MANOVA and Mixed Models
- WEISBERG · Applied Linear Regression, *Third Edition*
- WELSH · Aspects of Statistical Inference
- WESTFALL and YOUNG · Resampling-Based Multiple Testing: Examples and Methods for p -Value Adjustment
- WHITTAKER · Graphical Models in Applied Multivariate Statistics
- WINKER · Optimization Heuristics in Economics: Applications of Threshold Accepting
- WONNACOTT and WONNACOTT · Econometrics, *Second Edition*
- WOODING · Planning Pharmaceutical Clinical Trials: Basic Statistical Principles

*Now available in a lower priced paperback edition in the Wiley Classics Library.

†Now available in a lower priced paperback edition in the Wiley-Interscience Paperback Series.

WOODWORTH · Biostatistics: A Bayesian Introduction
WOOLSON and CLARKE · Statistical Methods for the Analysis of Biomedical Data,
 Second Edition
WU and HAMADA · Experiments: Planning, Analysis, and Parameter Design
 Optimization
WU and ZHANG · Nonparametric Regression Methods for Longitudinal Data Analysis
YANG · The Construction Theory of Denumerable Markov Processes
ZELTERMAN · Discrete Distributions—Applications in the Health Sciences
* ZELLNER · An Introduction to Bayesian Inference in Econometrics
ZHOU, OBUCHOWSKI, and McCLISH · Statistical Methods in Diagnostic Medicine