Description

Praise for the Second Edition

“This book should be an essential part of the personal library of every practicing statistician.” —Technometrics

Thoroughly revised and updated, the new edition of *Nonparametric Statistical Methods* includes additional modern topics and procedures, more practical data sets, and new problems from real-life situations. The book continues to emphasize the importance of nonparametric methods as a significant branch of modern statistics and equips readers with the conceptual and technical skills necessary to select and apply the appropriate procedures for any given situation.

Written by leading statisticians, *Nonparametric Statistical Methods, Third Edition* provides readers with crucial nonparametric techniques in a variety of settings, emphasizing the assumptions underlying the methods. The book provides an extensive array of examples that clearly illustrate how to use nonparametric approaches for handling one- or two-sample location and dispersion problems, dichotomous data, and one-way and two-way layout problems. In addition, the *Third Edition* features:

- The use of the freely available R software to aid in computation and simulation, including many new R programs written explicitly for this new edition
- New chapters that address density estimation, wavelets, smoothing, ranked set sampling, and Bayesian nonparametrics
• Problems that illustrate examples from agricultural science, astronomy, biology, criminology, education, engineering, environmental science, geology, home economics, medicine, oceanography, physics, psychology, sociology, and space science

*Nonparametric Statistical Methods, Third Edition* is an excellent reference for applied statisticians and practitioners who seek a review of nonparametric methods and their relevant applications. The book is also an ideal textbook for upper-undergraduate and first-year graduate courses in applied nonparametric statistics.

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