Randomization in Clinical Trials: Theory and Practice, 2nd Edition
William F. Rosenberger, John M. Lachin

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DESCRIPTION

Praise for the First Edition

“All medical statisticians involved in clinical trials should read this book...”

- Controlled Clinical Trials

Featuring a unique combination of the applied aspects of randomization in clinical trials with a nonparametric approach to inference, Randomization in Clinical Trials: Theory and Practice, Second Edition is the go-to guide for biostatisticians and pharmaceutical industry statisticians.

Randomization in Clinical Trials: Theory and Practice, Second Edition features:

- Discussions on current philosophies, controversies, and new developments in the increasingly important role of randomization techniques in clinical trials
- A new chapter on covariate-adaptive randomization, including minimization techniques and inference
- New developments in restricted randomization and an increased focus on computation of randomization tests as opposed to the asymptotic theory of randomization tests
- Plenty of problem sets, theoretical exercises, and short computer simulations using SAS® to facilitate classroom teaching, simplify the mathematics, and ease readers’ understanding
Randomization in Clinical Trials: Theory and Practice, Second Edition is an excellent reference for researchers as well as applied statisticians and biostatisticians. The Second Edition is also an ideal textbook for upper-undergraduate and graduate-level courses in biostatistics and applied statistics.

William F. Rosenberger, PhD, is University Professor and Chairman of the Department of Statistics at George Mason University. He is a Fellow of the American Statistical Association and the Institute of Mathematical Statistics, and author of over 80 refereed journal articles, as well as The Theory of Response-Adaptive Randomization in Clinical Trials, also published by Wiley.

John M. Lachin, ScD, is Research Professor in the Department of Epidemiology and Biostatistics as well as in the Department of Statistics at The George Washington University. A Fellow of the American Statistical Association and the Society for Clinical Trials, Dr. Lachin is actively involved in coordinating center activities for clinical trials of diabetes. He is the author of Biostatistical Methods: The Assessment of Relative Risks, Second Edition, also published by Wiley.