Randomization in Clinical Trials: Theory and Practice, 2nd Edition
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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.

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