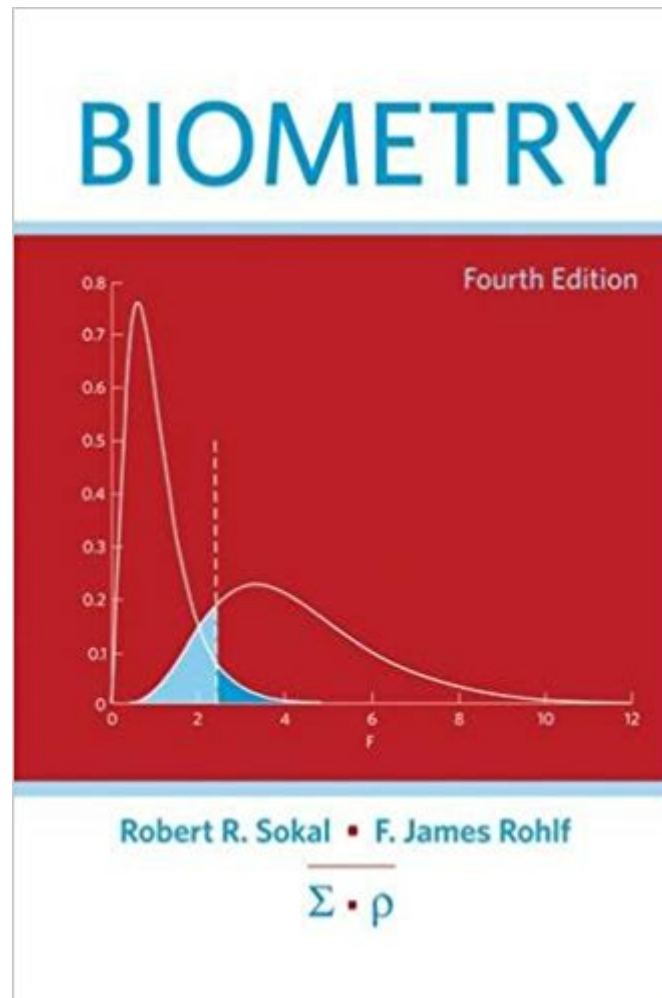




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Biometry



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Synopsis

This introduction to biological statistics is a standard text and valuable reference for anyone doing scientific research. The fourth edition has been thoroughly revised and updated using computer calculations and the authors have expanded on important modern topics.

Book Information

Hardcover: 937 pages

Publisher: W. H. Freeman; 4th edition (September 16, 2011)

Language: English

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Average Customer Review: 3.8 out of 5 stars 7 customer reviews

Best Sellers Rank: #410,691 in Books (See Top 100 in Books) #127 in Books > Textbooks > Medicine & Health Sciences > Research > Biostatistics #210 in Books > Medical Books > Basic Sciences > Biostatistics #300 in Books > Engineering & Transportation > Engineering > Bioengineering > Biotechnology

Customer Reviews

[Contains a tabular key to statistical methods]

The premier text in the field, Biometry provides both an elementary introduction to basic biostatistics as well as coverage of more advanced methods used in biological research. Students are shown how to think through research problems and understand the logic behind the different experimental situations. This book is designed to serve not only as a text to accompany a lecture course but is also a must have reference text!

NEW TO THIS EDITION* An Increased Focus on Computer-Based Statistical Methods. Computational formulas have also been replaced throughout with simpler structural formulas for ease of understanding.* Matrix methods. Matrix methods are introduced in new sections on multiple regression, general linear models, ancova, and curvilinear regression. A new appendix on matrix algebra is also included.* New Chapter on Statistical Power and Sample Size Estimation. The new edition features a new chapter that covers statistical power, measures of effect size, and the estimation of sample size required for a test.* Up-to-Date Coverage of Key Developments in Biostatistics. This edition includes the most up-to-date coverage of key topics and

trends in the discipline.

This book does not read well. Not very friendly for newcomers to biometrics.

This book is a difficult one to work through, and that is saying something considered it is a math textbook. I did not find it very easy to read, and probably would have not gotten much out of it without taking the course at the university. That being said, the textbook is often one that is commonly used in many laboratories and it is worth considering to acquire a copy at some point for that purpose. Its descriptions of different statistical methods are useful for templates so long as you understand what it all means.

Excellent written with good examples. Lots of theoretical information as well as the application of the statistical tests. A great stats resource.

Perfect

The following is the concluding paragraph from my 2900-word review published in: *Limnology and Oceanography Bulletin* 22(2): 62-65, 2013. "This edition of SR, like earlier editions, does generally provide clear, readable, step-by-step instructions for carrying out the tests and procedures it recommends. Doubtless most of those instructions are correct. But also like earlier editions, this one provides few conceptual frameworks for understanding when and why, if at all, a particular procedure is needed or appropriate, it gives negligible attention to the basic concepts of sampling and experimental design, it does not recognize that design and statistical analysis are two distinct aspects of a study, it muddies the distinction between experiments and observational studies, it dedicates large amounts of space to matters of trivial importance, and it contains many more simple errors than are listed here. There truly is nothing to recommend SR as a course text. Experienced researchers, statisticians, and editors with a critical eye might benefit from having a copy at hand as a compendium of mostly accurate 'recipes'. It will also help them understand one origin of the discombobulated statistical approaches found in many manuscripts that are crossing and will continue to cross their desks. After three further decades of heavy reliance on SR by biologists since Mead's review of the 2d edition, this book alone must account for a large fraction of the uncritical statistical thought and poor statistical advice found both in the primary literature of biology and as well as in other biologist-authored statistics books."

Just as described and in mint condition. Would recommend to another customer.

it is amazing, has advanced scientific parameters. It is very important for my study and research i do. Thank you.

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