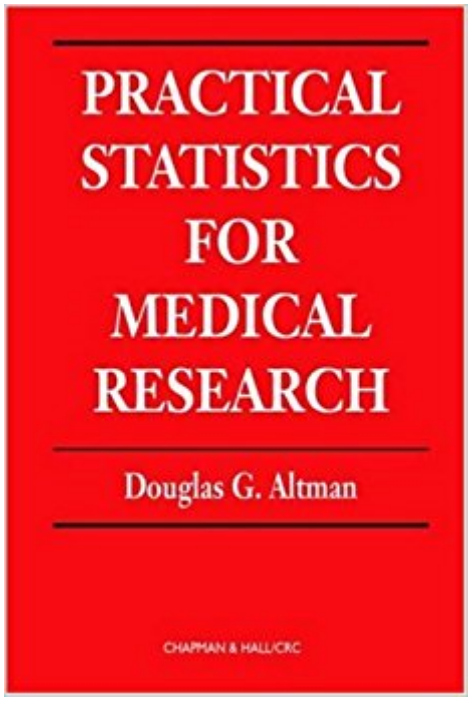
Practical Statistics For Medical Research (Chapman & Hall/CRC Texts In Statistical Science)



Synopsis

Most medical researchers, whether clinical or non-clinical, receive some background in statistics as undergraduates. However, it is most often brief, a long time ago, and largely forgotten by the time it is needed. Furthermore, many introductory texts fall short of adequately explaining the underlying concepts of statistics, and often are divorced from the reality of conducting and assessing medical research.Practical Statistics for Medical Research is a problem-based text for medical researchers, medical students, and others in the medical arena who need to use statistics but have no specialized mathematics background. The author draws on twenty years of experience as a consulting medical statistician to provide clear explanations to key statistical concepts, with a firm emphasis on practical aspects of designing and analyzing medical research. The text gives special attention to the presentation and interpretation of results and the many real problems that arise in medical research.

Book Information

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Customer Reviews

..".valuable to medical students and statisticians entering the field..." -Medical Publications _ "Admirably clear presentations of concepts...our department is so impressed by its conceptual clarity that we plan to introduce it into our courses for physician scientists and graduate students of the health sciences." -Short Book Reviews of the International Statistical Institute "A winner...The text is comfortably fluent; it describes and explains without jargon or obscurities. The mathematic segments are clearly presented and should be accessible to any college graduate...[Altman] has

provided health care professionals with a remarkably instructive, accessible, and useful guidebook...this is the most impressive monograph on medical statistics that I have read." -American Journal of Diseases of Children "offers useful information to statisticians on the realistic limitations to be found in clinical research. There is much helpful background explanation, but where the book scores is that it uses real examples of real data, both in explaining how not to do it and in the carefully worked examples of the various techniquesIn short, it is the best book on statistics from medical research I have come across, in terms of both completeness and intelligibility." -J.S.Lilleyman, Journal of Clinical Pathology .."this book is far from being a theoretical textbook; it is very readable, full of relevant practical advice with its feet firmly on the ground, and based on the author's considerable experience of medical researchI found much to applaud and very little to criticise." -S. Thompson, British Medical Journal, 1991 "This is a rich resource for private study and for a teacher preparing materialfor undergraduates and postgraduates." -D. Ashby, Statistics in Medicine, 1991 "is refreshingly different from every other statistics book I have seenis scientifically rigorous when discussing practical problems encountered in planning and analyzing biologic and clinical researchI recommend it enthusiastically to clinical investigators." -H.J.Motulsky, New England Journal of Medicine, 1991 "This book fulfils its original intention of being a solid reference book for the medical researcher. I enjoyed reading it, and can thoroughly recommend it." -P.Stell, International Journal of Epidemiology "This book is, of course, now almost 10 years old. In general its age does not showis intended to appeal to and to interest medical researchers with little knowledge of statistics. A review by a statistician cannot assess how well this is achieved, but it is indicative of success that this is the ninth reprint." --Nigel Stallard, University of Reading, Book Reviews

My orientador recommended me this book. It hasn't answered all my questions, but it has been helpful in getting me on the right track in medical research. The author uses lots of real examples and his writing flows nicely. I recommend it to any who seek to pursue a career in research or medicine.

Great book

Great book for basic biostatistics

Excellent very easy read with rational explantions. When through 50 pages in a few hours while

studying for a masters in epidemiology

This is excellent book. I recommend this book.

Helpful for my presentation

I sent this book back at once. This is for the mathematically inclined, full of formulas and such. There is very little 'practical' information, except you consider mathemathical formulas practical information. As a person who does not have time to immerse oneself in the subject that way, I would appreciate a different approach eg. 'if your data looks like this, then use test X and not test Y because it gives you better blablabla....". You get the idea.It is probably a useful text for those who wish to pursue an MPH or major in statistics. 'Practical statistics for medical research' is in fact not for the physician researcher but for the statistician who is usually on board these days.

This is a very well written and popular text on biostatistics. Altman writes for non-statisticians but the book is best suited for those with at least one prior course in statistics and those who have had mathematics through high school algebra. Emphasis is placed on the important practical problems. Good statistical designs and analyses are emphasized. The pitfalls with many published medical articles are discussed in Chapter 16.I used this book to teach a 20 lecture course to students (engineers, clinicians and computer scientists) at Pacesetter in 1998 and at Biosense Webster in 1999 (both medical device companies that employed me as senior biostatistician). It was a good refresher course for the CRAs and engineers and it helped to make it easier for me to work with them on their statistical problems.I have also taught a similar course to undergraduate students in the Health Science Department at Cal State Long Beach. Altman's book is a little too advanced to use as a text for that course but I did use it as a reference and covered material in Chapter 16 at the end of the course. Clear discussion of the medical literature is very important to these students and Altman does a great job!

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