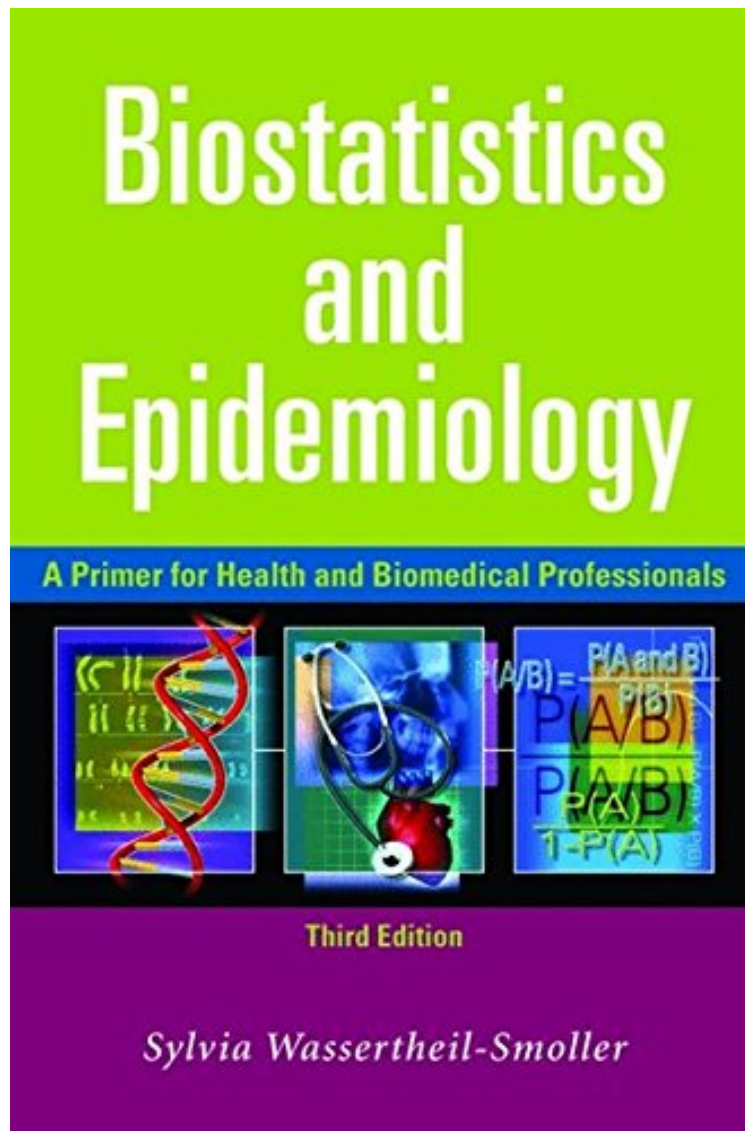


Biostatistics and Epidemiology: A Primer for Health and Biomedical Professionals

Sylvia Wassertheil-Smoller

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#1340796 in Books Sylvia Wassertheil Smoller 2004-02-11 Ingredients: Example Ingredients Original language: English PDF # 1 9.25 x .59 x 6.101, .99 #File Name: 0387402926244 pages Biostatistics and Epidemiology | File size: 74.Mb

Sylvia Wassertheil-Smoller : Biostatistics and Epidemiology: A Primer for Health and Biomedical Professionals before purchasing it in order to gage whether or not it would be worth my time, and all praised Biostatistics and Epidemiology: A Primer for Health and Biomedical Professionals:

6 of 6 people found the following review helpful. Good as far as it goes. Although billed as a 'primer for health biomedical professionals', this book is actually too basic for that. Most in the field are not undergrads, and so need the more advanced statistical measuring methods explained more thoroughly (or, in some cases, at all). There is nothing about infective disease, so those measures are also lacking. This book feels very disorganized, with little help from the index and contents. There are much better books of this type on the market - for example, Primer of Biostatistics by Stanton A. Glantz or even Epidemiology by Leon Gordis. I'd keep looking.

1 of 2 people found the following review helpful. A Primer, Not A Complete Treatment. I looked at several introductions on biostat before settling on this text. It is a truly excellent complement to more in-depth treatments you would get in an intensive biostat course, yet remains strong, well-organized and able to stand on its own by straddling that fine line between being over-simplistic and over-technical. I think the previous review may have unfairly underestimated the book's usefulness by not treating it as what it was meant to be: a primer.

0 of 0 people found the following review helpful. Five Stars. It's a very good book and a good store.

For the new edition of Biostatistics and Epidemiology, Dr. Wassertheil-Smoller has included several new chapters (genetic statistics, molecular epidemiology, scientific integrity and research ethics) and a new appendix on the basic concepts of genetics and a glossary of genetic terminology. She has also expanded the coverage of multi-center trials (an important aspect of implementation of the standards of evidence-based medicine), controversies in screening for prostate, colon, breast, and other cancers.

From the reviews: "You really do not need any previous experience can acquire the basic statistical skills in a relatively short time. The book not only addresses statistics but also engages readers into scientific thinking. A detailed index is also included. Overall, the book is well written and would be good reading for. Applied statisticians and medical practitioners would also benefit from this book. Libraries should have a copy. an excellent reference for undergraduate biostatistics and epidemiology courses." (Isaac Dialsingh, Journal of the Royal Statistical Society, (168) 1, 2004)

From the Back Cover Since the publication of the first edition, **BIostatistics and Epidemiology** has continued to garner loyal readers from across speciality areas in the biomedical community. **BIostatistics and Epidemiology** provides clear, concise explanations of the underlying principles of statistics and epidemiology, as well as practical guidelines of "how to do it" and "how to interpret it." Through its several editions, **BIostatistics and Epidemiology** has continued to adapt to evolving areas of research in epidemiology and statistics, while maintaining the original objective of being non-threatening, understandable and accessible to those with limited or no background in mathematics. Two new areas are covered in the third edition: genetic epidemiology and research ethics. With the sequencing of the human genome, there has been a flowering of research into the genetic basis of health and disease, and especially the interactions between genes and environmental exposures. The medical literature in genetic epidemiology is vastly expanding and some knowledge of the epidemiological designs and an acquaintance with the statistical methods used in such research is necessary in order to be able to appreciate new findings. Thus this edition includes a new chapter on genetic epidemiology as well as an Appendix describing the basics necessary for an understanding of genetic research. Such material is not usually found in first level epidemiology or statistics books, but it is presented here in a basic, and hopefully easily comprehensible way, for those unfamiliar with the field. The second new chapter is on research ethics, also not usually covered in basic textbooks, but critically important in all human research. New material has also been added to several existing chapters. I hope this book will be useful to diverse groups of people in the health field, as well as to those in related areas. The material is intended for (1) physicians doing clinical research as well as for those doing basic research; (2) for students-medical, college, and graduate; (3) for research staff in various capacities; and (4) for anyone interested in the logic and methodology of biostatistics and epidemiology. The principles and methods described here are applicable to various substantive areas, including medicine, public health, psychology, and education. (from the Preface)

Whether used as a brief textbook in a classroom or as a refresher for more advanced readers, **BIostatistics and Epidemiology** has become a well-thumbed and battered resource in many a classroom, department library and lab. With the explosion of biomedical research and publishing in the past few years, understanding the statistical validity of the results of both basic research and clinical trials has never been more important. This new third edition of **BIostatistics and Epidemiology** serves as the roadmap to understanding these complex and important topics.