# Epidemiology: Study Design and Data Analysis, Second Edition (Chapman Hall/CRC Texts in Statistical Science)

*Mark Woodward*
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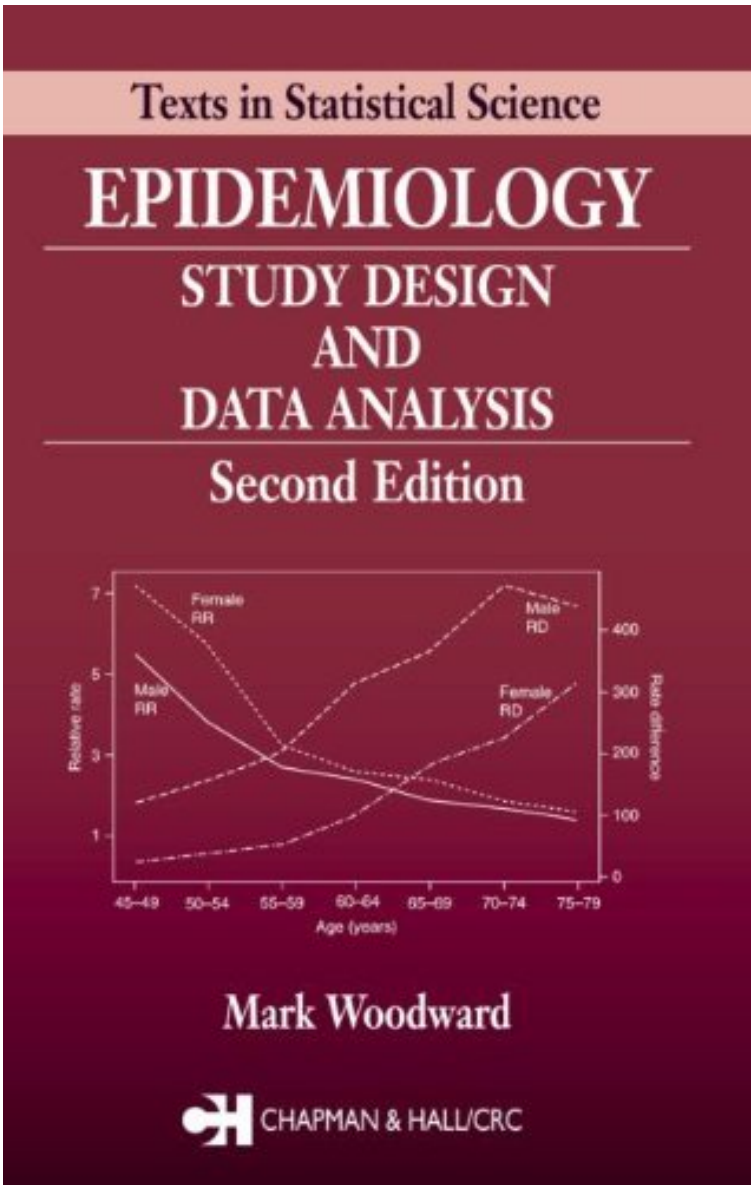




#950610 in Books Chapman and Hall/CRC 2004-11-29Original language:EnglishPDF # 1 9.21 x 1.81 x 6.14l, 2.93 #File Name: 1584884150870 pages | File size: 39.Mb

**Mark Woodward : Epidemiology: Study Design and Data Analysis, Second Edition (Chapman Hall/CRC Texts in Statistical Science)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Epidemiology: Study Design and Data Analysis, Second Edition (Chapman Hall/CRC Texts in Statistical Science):

0 of 0 people found the following review helpful. This is quite useful book to have on your shelfBy Orvalho AugustoThis is quite useful book to have on your shelf.It covers almost all basics with rich examples. It is a practical book with essential theory.2 of 2 people found the following review helpful. Great Research Design and Statistics BookBy Judith E. ElsterThis book is an excellent source for designing quality epidemiological research. It also directs the researcher to specific and appropriate statistical tests to apply to the data. It is a great place to start when designing an epidemiological study.0 of 0 people found the following review helpful. easy to understand and perfect with many nice examplesBy batonSo classic a book with many nice concise examples to make you easy to get covering all the field of epidemiology! Get it and know it.

Building an up-to-date understanding of the methodologies that can be used to shape public health policies, Epidemiology: Study Design and Data Analysis, Second Edition encompasses the study of epidemiology from the observation of associations between risk factors and disease to the use of practical, data-supported analyses. It presents study designs commonly used for a wide range of purposes, and covers the spectrum of statistical principles and analytical tools used in epidemiological research, such as techniques used in report writing, descriptive analyses, statistical models and synthesis of evidence. New Material in This Edition Includes:Systematic evaluationMeta-analysisRegression dilutionCase-cohort studiesCase-crossover studiesPooled logistic regressionCompanion Web site containing data sets for examples and exercises, SAS and Stata code for examples, a sample size calculator, and a SAS floating absolute risk macroThe second edition of a popular textbook, this book emphasizes quantitative and design aspects of epidemiological research. The author favors the use of basic mathematics and practical methods over complicated mathematical proofs, making this an ideal textbook that is comprehensive yet accessible to graduate students in epidemiology, statistics, public health studies, and/or medical research.

As a text in quantitative Epidemiology, this book also works nicely as a text in BiostatisticsThe presentation style is relaxed, the examples are helpful, and the level of technical difficulty makes the material approachable without oversimplificationIt is sufficiently broad and deep in coverage to compete with standard texts in the field and has the added bonus of emphasizing study design. Methods and issues related to designs commonly used in a wide variety of health sciences are included-Ken Hess, Department of Biomathematics and Biostatistics, Anderson Cancer CenterThe second edition of this epidemiology text is strengthened to cater to the two audiences the author has in mind: applied statisticians wishing to learn how their statistical expertise can be used in the epidemiology field and statistic-curious researchers who want to understand how statistical techniques can be used to solve epidemiological problems. The result is a book that will invariably appeal to the intended audience, one with practical applications of techniques and interpretations of results in an epidemiological context. The book is most certainly an ambitious attempt at covering a broad array of the most important epidemiologic study designs and analytical methods. This is further enforced by the addition of the meta-analysis chapter. This book will be valuable to statisticians in applying their discipline to epidemiology. Mark Woodward's excellent second edition will effectively serve post-graduate or advanced undergraduate students studying epidemiology, as well as statisticians or researchers who are regularly confronted with epidemiological questions.-Journal of the American Statistical AssociationThis book provides very good coverage of major issues in the design of epidemiological studies, and a decent, but very quick, tour of commonly used statistical models for such studies.-Short Book s Publication of the International Statistical Institute, K.S. Brown, University of Waterloo, CanadaAmazingly, Woodward manages to describe quite sophisticated models and analysis with nothing more complicated than summation signs. I highly recommend it.-Statistics in Medicine, 2006The second edition of this concisely written book covers all statistical methods being of relevance for the planning and analysis of epidemiological studies where the author avoids unnecessary mathematical details for the sake of comprehensibility. The presented statistical principles are always carefully discussed in the context of epidemiological concepts, for instance depending on the different study designs. Detailed practical examples coming from real studies as far as possible illustrate their application. The book can be highly recommended to researchers in epidemiology who want to understand better the statistical principles being typically applied in this field and to statisticians who want to understand more about statistics in epidemiology, but also to graduate students in epidemiology, public health, medical research and statistics.-Biometrics, Sept. 2005I think anyone with an interest in both biostatistics and epidemiology will want a copy this book on their bookshelf it is a first-rate reference book.I find Professor Woodward's text the most complete and practical introduction to the design and analysis of epidemiological studies I've encountered an excellent text for either a course introducing epidemiologists to statistical thought and methods or a course introducing statisticians to epidemiological thought and methods students appreciate having a readable textbook replete with understandable examples and worked exercisesoffers a complete introduction to statistical and epidemiological methods in the study of disease in human populations. All of the standard topics are included, and the second edition even has a chapter on meta-analysis.This book can be used as a text to introduce epidemiological methods to graduate students in statistics who have no background in epidemiology, or vice versaProfessor Woodward is to be

congratulated on a job well done. -Dan McGee, Dept of Statistics, Florida State University