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# Medical Statistics Made Easy 2nd Edition

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*Oxford Handbook of Medical Statistics* CRC Press

Score your highest in biostatistics Biostatistics is a required course for students of medicine, epidemiology, forestry, agriculture, bioinformatics, and public health. In years past this course has been mainly a graduate-level requirement; however its application is growing and course offerings at the undergraduate level are exploding. Biostatistics For Dummies is an excellent resource for those taking a course, as well as for those in need of a handy reference to this complex material.

Biostatisticians—analysts of biological data—are charged with finding answers to some of the world's most pressing health questions: how safe or effective are drugs hitting the market today? What causes autism? What are the risk factors for cardiovascular disease? Are those

risk factors different for men and women or different ethnic groups? Biostatistics For Dummies examines these and other questions associated with the study of biostatistics. Provides plain-English explanations of techniques and clinical examples to help Serves as an excellent course supplement for those struggling with the complexities of the biostatistics Tracks to a typical, introductory biostatistics course Biostatistics For Dummies is an excellent resource for anyone looking to succeed in this difficult course.

*Medical Statistics* CRC Press

This volume presents a comprehensive and comprehensible set of guidelines for reporting the statistical analyses and research designs and activities commonly used in biomedical research.

Medical Statistics John Wiley & Sons

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The OpenIntro project was founded in 2009 to improve the quality and availability of education by producing exceptional books and teaching tools that are free to use and easy to modify. We feature real data whenever possible, and files for the entire textbook are freely available at [openintro.org](http://openintro.org). Visit our website, [openintro.org](http://openintro.org). We provide free videos, statistical software labs, lecture slides, course management tools, and many other helpful resources.

**Statistics For Dummies** John Wiley & Sons  
A unique resource, this book is designed to determine not only your level of expertise and applicability of knowledge but also serve as an up-to-date clinical resource in the practice of cardiac sonography. This powerful, long-needed resource presents the essentials of clinical echocardiography in a precise Q&A format fashioned after *Clinical Echocardiography Review A Self-Assessment Tool* edited by Allan L. Klein and Craig R. Asher. Whether you are just beginning your training, are already preparing for your examination, or simply want to review and increase your knowledge depth, this easy-to-use resource will help you develop the knowledge and skills you need for success. This is the tablet version which does not include access to the videos mentioned in the text.

*Statistics* Wiley-Blackwell  
*Medical Statistics Made Easy* has been a perennial bestseller since it was first published in 2003 (#1 bestseller in medical statistics

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on Amazon). It is widely recommended on a variety of courses and programmes, from undergraduate medicine, through to professional medical qualifications. It is a book of key statistics principles for anyone studying or working in medicine and healthcare who needs a basic overview of the subject. Using a consistent format, the authors describe the most common statistical methods in turn and then rate them on how difficult they are to understand and how common they are. The worked examples that demonstrate the statistical method in action have been updated to include current articles from the medical literature and now feature a much wider range of medical journals.

This third edition continues with the same structure as the previous editions and also features a completely revised "Statistics at work" section. Medical Statistics Made Easy 3e scores 99/100 and 5 stars on Doody's (Sept 2014)! Here's what the reviewer said: "This is a practical guide to the use of statistics in medical literature and their application in clinical practice. The numerous examples help make the conceptualization of complex ideas easy. It is a great resource for healthcare students and clinicians in the field."

**Health Sciences Literature Review Made Easy** Scion Publishing Ltd  
A concise, straightforward

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introduction to medical statistics, this book covers all the topics which a medical student or research worker is likely to encounter in routine work. It can be used for self-teaching, as a reference text, and as a useful companion to basic courses in medical statistics. The book consists of twenty short chapters, each including worked examples, the chapter order reflecting a logical progression of practical concepts rather than a formal mathematical development.

Medical Statistics Made Easy 2e - now superseded by 3e Jones & Bartlett Learning  
Bernard Rosner's FUNDAMENTALS OF

BIOSTATISTICS is a practical introduction to the methods, techniques, and computation of statistics with human subjects. It prepares students for their future courses and careers by introducing the statistical methods most often used in medical literature. Rosner minimizes the amount of mathematical formulation (algebra-based) while still giving complete explanations of all the important concepts. As in previous editions, a major strength of this book is that every new concept is developed systematically through completely worked out examples from current medical research problems. Most methods are illustrated with specific instructions as to implementation using software

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either from SAS, Stata, R, Excel or popular, while updating data, Minitab. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**Biostatistics For Dummies** John Wiley & Sons

The second edition of a bestselling textbook, Using R for Introductory Statistics guides students through the basics of R, helping them overcome the sometimes steep learning curve. The author does this by breaking the material down into small, task-oriented steps. The second edition maintains the features that made the first edition so

popular, while updating data, examples, and changes to R in line with the current version. See What's New in the Second Edition: Increased emphasis on more idiomatic R provides a grounding in the functionality of base R. Discussions of the use of RStudio helps new R users avoid as many pitfalls as possible. Use of knitr package makes code easier to read and therefore easier to reason about. Additional information on computer-intensive approaches motivates the traditional approach. Updated examples and data make the information current and topical. The book

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has an accompanying package, UsingR, available from CRAN, R's repository of user-contributed packages. The package contains the data sets mentioned in the text (`data(package="UsingR")`), answers to selected problems (`answers()`), a few demonstrations (`demo()`), the errata (`errata()`), and sample code from the text. The topics of this text line up closely with traditional teaching progression; however, the book also highlights computer-intensive approaches to motivate the more traditional approach. The authors emphasize realistic data and examples and rely on visualization techniques to gather insight. They introduce statistics and R seamlessly, giving students the tools they need to use R and the information they need to navigate the sometimes complex world of statistical computing.

Online Statistics Education  
Cengage Learning

Basic Biostatistics is a concise, introductory text that covers biostatistical principles and focuses on the common types of data encountered in public health and biomedical fields. The text puts equal emphasis on exploratory and confirmatory statistical methods. Sampling, exploratory data analysis, estimation,

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hypothesis testing, and power and precision are covered through detailed, illustrative examples. The book is organized into three parts: Part I addresses basic concepts and techniques; Part II covers analytic techniques for quantitative response variables; and Part III covers techniques for categorical responses. The Second Edition offers many new exercises as well as an all new chapter on "Poisson Random Variables and the Analysis of Rates." With language, examples, and exercises that are accessible to students with modest mathematical backgrounds, this is the perfect introductory biostatistics text for undergraduates and graduates in various fields of public health.

Features: Illustrative, relevant examples and exercises incorporated throughout the book. Answers to odd-numbered exercises provided in the back of the book. (Instructors may request answers to even-numbered exercises from the publisher. Chapters are intentionally brief and limited in scope to allow for flexibility in the order of coverage. Equal attention is given to manual calculations as well as the use of statistical software such as StaTable, SPSS, and WinPepi. Comprehensive Companion Website with Student and Instructor's Resources. How to Practice Academic Medicine and Publish from Developing Countries? "O'Reilly Media, Inc." The majority of medical research



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involves quantitative methods and so it is essential to be able to understand and interpret statistics. This book shows readers how to develop the skills required to critically appraise research evidence effectively, and how to conduct research and communicate their findings.

**How to Report Statistics in Medicine** CRC Press

Provides students and practitioners with a clear, concise introduction to the statistics they will come across in their regular reading of clinical papers. Written by three experts with wide teaching and consulting experience, Medical Statistics:

A Textbook for the Health Sciences, Fourth Edition:  
Assumes no prior knowledge of statistics  
Covers all essential statistical methods  
Completely revised, updated and expanded  
Includes numerous examples and exercises on the interpretation of the statistics in papers published in medical journals  
From the reviews of the previous edition: "The book has several excellent features: it is written by statisticians, is.... well presented, is well referenced.... and is short."  
THE LANCET "Many statisticians are concerned at the generally poor standard of statistics in

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papers published in medical journals. Perhaps this could be remedied if more research workers would spare a few hours to read through Campbell and Machin's book." BRITISH MEDICAL JOURNAL "... a simple, interesting and insightful introduction to medical statistics... highly recommended." STATISTICAL METHODS IN MEDICAL RESEARCH "Campbell and Machin found the golden mean... this book can be recommended for all students and all medical researchers." ISCB NEWSLETTER

**Basic Biostatistics** Academic Press  
Now in its fourth edition, Medical

Statistics at a Glance is a concise and accessible introduction to this complex subject. It provides clear instruction on how to apply commonly used statistical procedures in an easy-to-read, comprehensive and relevant volume. This new edition continues to be the ideal introductory manual and reference guide to medical statistics, an invaluable companion for statistics lectures and a very useful revision aid. This new edition of Medical Statistics at a Glance: Offers guidance on the practical application of statistical methods in conducting research and presenting results Explains the underlying concepts of medical statistics and presents the key facts without being unduly

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mathematical Contains succinct self-the multiple choice and structured contained chapters, each with one questions in the companion Medical or more examples, many of them new, Statistics at a Glance Workbook to illustrate the use of the Medical Statistics at a Glance is a methodology described in the must-have text for undergraduate chapter. Now provides templates for and post-graduate medical students, critical appraisal, checklists for medical researchers and biomedical the reporting of randomized and pharmaceutical professionals. controlled trials and observational **Medical Statistics at a Glance** studies and references to the Lippincott Williams & Wilkins EQUATOR guidelines for the A clear and concise presentation of study results for introduction and reference for many other types of study Includes anyone new to the subject of extensive cross-referencing, statistics. flowcharts to aid the choice of Statistics Made Simple for School appropriate tests, learning Leaders CRC Press objectives for each chapter, a The 5th Edition of this popular glossary of terms and a glossary of introduction to statistics for the annotated full computer output medical and health sciences has relevant to the examples in the undergone a significant revision, text Provides cross-referencing to

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with several new chapters added and examples refreshed throughout the book. Yet it retains its central philosophy to explain medical statistics with as little technical detail as possible, making it accessible to a wide audience. Helpful multi-choice exercises are included at the end of each chapter, with answers provided at the end of the book. Each analysis technique is carefully explained and the mathematics kept to minimum. Written in a style suitable for statisticians and clinicians alike, this edition features many real and original examples, taken from the authors' combined many years' experience of designing and analysing clinical trials and teaching statistics.

Students of the health sciences, such as medicine, nursing, dentistry, physiotherapy, occupational therapy, and radiography should find the book useful, with examples relevant to their disciplines. The aim of training courses in medical statistics pertinent to these areas is not to turn the students into medical statisticians but rather to help them interpret the published scientific literature and appreciate how to design studies and analyse data arising from their own projects. However, the reader who is about to design their own study and collect, analyse and report on their own data will benefit from a clearly written book on the subject which provides

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practical guidance to such issues. The practical guidance provided by this book will be of use to professionals working in and/or managing clinical trials, in academic, public health, government and industry settings, particularly medical statisticians, clinicians, trial co-ordinators. Its practical approach will appeal to applied statisticians and biomedical researchers, in particular those in the biopharmaceutical industry, medical and public health organisations.

### **Principles of Medical**

**Statistics** John Wiley & Sons

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 c

Statistics with Confidence John Wiley & Sons

Clinical Evidence Made Easy will give those working in healthcare the tools to understand the information available to them from clinical data sources, which can otherwise be hard to decipher.

Using R for Introductory

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Statistics W.B. Saunders  
Company  
Quantitative Research Methods  
for Health Professionals: A  
Practical Interactive Course  
is a superb introduction to  
epidemiology, biostatistics,  
and research methodology for  
the whole health care  
community. Drawing examples  
from a wide range of health  
research, this practical  
handbook covers important  
contemporary health research  
methods such as survival  
analysis, Cox regression, and  
meta-analysis, the  
understanding of which go

beyond introductory concepts.  
The book includes self-  
assessment exercises  
throughout to help students  
explore and reflect on their  
understanding and a clear  
distinction is made between a)  
knowledge and concepts that  
all students should ensure  
they understand and b) those  
that can be pursued by  
students who wish to do so.  
The authors incorporate a  
program of practical exercises  
in SPSS using a prepared data  
set that helps to consolidate  
the theory and develop skills  
and confidence in data

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handling, analysis and interpretation.

Basic to Advanced Clinical Echocardiography. A Self-Assessment Tool for the Cardiac Sonographer John

Wiley & Sons

Online Statistics: An Interactive Multimedia Course of Study is a resource for learning and teaching introductory statistics. It contains material presented in textbook format and as video presentations. This resource features interactive demonstrations and simulations, case studies,

and an analysis lab. This print edition of the public domain textbook gives the student an opportunity to own a physical copy to help enhance their educational experience. This part I features the book Front Matter, Chapters 1-10, and the full Glossary. Chapters Include:: I. Introduction, II. Graphing Distributions, III. Summarizing Distributions, IV. Describing Bivariate Data, V. Probability, VI. Research Design, VII. Normal Distributions, VIII. Advanced Graphs, IX. Sampling Distributions, and X.

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Estimation. Online Statistics confidence intervals and  
Education: A Multimedia Course probability values, numbers  
of Study (<http://onlinestatbook.com/>). needed to treat t tests and  
Project Leader: David M. Lane, other parametric tests, survival  
Rice University. analysis, and more. Highlighted  
examples, exam tips, and items  
of difficulty make this an ideal  
primer for all health-related  
students and professionals.  
**Medical Statistics Made Easy**  
ACP Press  
Medical and Health Science  
Statistics Made Easy provides  
health professionals and  
students with easy-to-  
understand explanations of key  
statistical techniques used in  
medical literature. In a  
concise and user-friendly  
format, readers will grasp firm  
knowledge of medical  
statistics, including

An Introduction to Medical  
Statistics Wiley-IEEE Press  
Required reading in many medical  
and healthcare institutions, How  
to Read a Paper is a clear and  
wide-ranging introduction to  
evidence-based medicine and  
healthcare, helping readers to  
understand its central principles,  
critically evaluate published  
data, and implement the results in



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practical settings. Author Trisha Greenhalgh guides readers through each fundamental step of inquiry, from searching the literature to assessing methodological quality and appraising statistics. How to Read a Paper addresses the common criticisms of evidence-based healthcare, dispelling many of its myths and misconceptions, while providing a pragmatic framework for testing the validity of healthcare literature. Now in its sixth edition, this informative text includes new and expanded discussions of study bias, political interference in published reports, medical statistics, big data and more. Offers user-friendly guidance on evidence-based healthcare that is applicable to

both experienced and novice readers  
Authored by an internationally recognised practitioner and researcher in evidence-based healthcare and primary care  
Includes updated references, additional figures, improved checklists and more  
How to Read a Paper is an ideal resource for healthcare students, practitioners and anyone seeking an accessible introduction to evidence-based healthcare.