Medical Statistics Made Easy

Medical Statistics Made EasyHow to Read a PaperMedical Statistics at a GlanceEssential Medical StatisticsHealthcare Economics Made EasyBasic Skills in StatisticsBiostatistics For DummiesFoundations of BiostatisticsAn Introduction to Medical StatisticsMedical Statistics at a Glance WorkbookStatistics in MedicineBasic Statistics and EpidemiologyMedical StatisticsContraception Made Easy, Second EditionUsing and Understanding Medical StatisticsJAMA Guide to Statistics and MethodsMedical Statistics Made EasyMedical Statistics at a GlancePractical Statistics for Medical ResearchThink StatsClinical Evidence Made EasyPresenting Medical Statistics from Proposal to PublicationOxford Handbook of Medical StatisticsBiostatisticsMedical and Health Science Statistics Made EasyIntroducing StatisticsMedical Statistics Made Easy, Fourth EditionMedical Statistics & Demography Made EasyMedical StatisticsMedical Statistics Made EasyMedical Statistics Made Easy 2Statistics Made EasyThe Doctor's Guide to Critical AppraisalDental Statistics Made Easy, Third EditionStatistics for People Who (Think They) Hate StatisticsStatistics Done WrongMedical Statistics from ScratchMedical Uses of StatisticsMedical StatisticsMedical and Health Science Statistics Made Easy

Medical Statistics Made Easy

Statistics can be an intimidating subject for many students and clinicians. This concise text introduces the basic concepts that underpin medical statistics, and using everyday clinical examples, highlights the importance of statistical principles to understanding and implementing research findings in routine clinical care. This book will be an essential tool for students, clinicians in training, nurses and GPs. Table of Contents: Part 1 Introduction Part 2 Laying the foundations: measure and probability Part 3 Description of a single variable Part 4 Linking two variables Part 5 Statistical inference Part 6 Study design Part 7 Combining studies: systematic reviews and meta-analyses Part 8 Managing data

How to Read a Paper

Holistic approach to understanding medical statistics This hands-on guide is much more than a basic medical statistics introduction. It equips you with the statistical tools required for evidence-based clinical research. Each chapter provides a clear step-by-step guide to each statistical test with practical instructions on how to generate and interpret the numbers, and present the results as scientific tables or graphs. Showing you how to: analyse data with the help of data set examples (Click here to download datasets) select the correct statistics and report results for publication or presentation understand and critically appraise results reported in the literature Each statistical test is linked to the research question and the type of

study design used. There are also checklists for critically appraising the literature and web links to useful internet sites. Clear and concise explanations, combined with plenty of examples and tabulated explanations are based on the authors' popular medical statistics courses. Critical appraisal guidelines at the end of each chapter help the reader evaluate the statistical data in their particular contexts.

Medical Statistics at a Glance

If you know how to program, you have the skills to turn data into knowledge using the tools of probability and statistics. This concise introduction shows you how to perform statistical analysis computationally, rather than mathematically, with programs written in Python. You'll work with a case study throughout the book to help you learn the entire data analysis process—from collecting data and generating statistics to identifying patterns and testing hypotheses. Along the way, you'll become familiar with distributions, the rules of probability, visualization, and many other tools and concepts. Develop your understanding of probability and statistics by writing and testing code Run experiments to test statistical behavior, such as generating samples from several distributions Use simulations to understand concepts that are hard to grasp mathematically Learn topics not usually covered in an introductory course, such as Bayesian estimation Import data from almost any source using Python, rather than be limited to data that has been cleaned and formatted for statistics tools Use statistical inference to answer

questions about real-world data

Essential Medical Statistics

This essential textbook presents the basics of dental statistics in an accessible way, combining explanation in non-technical language with key messages, practical examples, suggestions for further reading and exercises complete with detailed solutions. There is an emphasis on the principles and application of statistics without the use of algebra. The statistical material is strongly rooted in practical examples drawn from a wide range of journal articles representing both dental health care delivery and clinical dentistry. The perspective is international, with papers drawn from a variety of settings around the world. Many articles are recent and report contemporary developments in dental care. The intended audience includes dental students and practitioners, those engaged in dental research and other health care professionals. For students and tutors, it covers the undergraduate curriculum, and the exercises and solutions make it ideal for course use. For practitioners and researchers it provides the first principles of study design, accessing the dental literature, and the preparation and publication of original dental research.

Healthcare Economics Made Easy

Contains all you need to know to understand statistics in medicine. Medical Statistics Made Easyhas been a perennial bestseller since the first edition was published (it is consistently a #1 bestseller in medical statistics on Amazon). It is widely recommend 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. It is ideal for non-statisticians who need to understand how statistics are used and applied in medicine and medical research. 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 wider range of medical journals. This fourth edition continues with the same structure as the previous editions, with new sections on cut-off points and ROC curves, as well as a new chapter on choosing the right statistical test. It also features a completely revised and updated "Statistics at work" section.

Basic Skills in Statistics

The book explains the topics of vital statistics, statistical methods in epidemiology, and health information The book provides solved examples on various medical

problems necessary to understand the computational point in research works. It emphasizes general concepts and various statistical methods and formulae useful in computation. It includes about 50 unsolved questions and nearly 300 MCQs. An accompanying CD-ROM illustrates a host of techniques in medical statistics.

Biostatistics For Dummies

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.

Foundations of Biostatistics

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. The world-renowned experts at JAMA® explain statistical analysis and the methods used in medical research Written in the language and style appropriate for clinicians and researchers, this new JAMA Guide to Statistics and Methods provides explanations and expert discussion of the statistical analytic approaches and methods used in the medical research reported in articles appearing in JAMA and the JAMA Network journals. This addition to the

JAMAevidence® series is particularly timely and necessary because today's physicians and other health care professionals must pursue lifelong learning to keep up with the ever-expanding universe of new medical science and evidence-based clinical information. Readers and users of research articles must have a firm grasp of the myriad new statistical, analytic, and methodologic approaches used in contemporary medical studies. To provide concrete examples, the explanations in the book link to research articles that incorporate the specific statistical test or methodological approach being discussed.

An Introduction to Medical Statistics

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 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.

Medical Statistics at a Glance Workbook

As many medical and healthcare researchers have a love-hate relationship with statistics, this practical reference book may make all the difference. It takes examples, mainly from the authors' own research, to explain how to make sense of statistics, turn statistical computer results into coherent information, and help decide which pieces of information to report and how to present them. Presenting Medical Statistics includes a wide range of statistical analyses, and all the statistical methods are illustrated using real data. Labelled figures show the Stata and SPSS commands needed to obtain the analyses, with indications of which information should be extracted from the output for reporting. The relevant results are then presented as for a report or journal article, to illustrate the principles of good presentation. The reader is taken through the various stages of the research process, from the initial research proposal, ethical approval and data analysis, to

reporting on and publishing the findings. There are even extensive references for those who wish to find out more about the statistical methods. This is a must for anyone working with statistics in the medical profession.

Statistics in Medicine

This new edition of the book will be produced in two versions. The textbook will include a CD-Rom with two videotaped lectures by the authors. This book translates biostatistics in the health sciences literature with clarity and irreverence. Students and practitioners alike, applaud Biostatistics as the practical guide that exposes them to every statistical test they may encounter, with careful conceptual explanations and a minimum of algebra. What's New? The new Bare Essentials reflects recent advances in statistics, as well as time-honored methods. For example, "hierarchical linear modeling" which first appeared in psychology journals and only now is described in medical literature. Also new, is a chapter on testing for equivalence and non-inferiority. As well as a chapter with information to get started with the computer statistics program, SPSS. Free of calculations and jargon, Bare Essentials speaks so plainly that you won't need a technical dictionary. No math, all concepts. The objective is to enable you to determine if the research results are applicable to your own patients. Throughout the guide, you'll find highlights of areas in which researchers misuse or misinterpret statistical tests. We have labeled these "C.R.A.P. Detectors" (Convoluted Reasoning and Anti-

intellectual Pomposity), which help you to identify faulty methodology and misuse of statistics.

Basic Statistics and Epidemiology

This book deals with statistics in medicine in a simple way. The text is supported by abundant examples from medical data. This book aims to explain and simplify the process of data presentation. Further aspects addressed include how to design and conduct clinical trials, and how to write journal articles.

Medical Statistics

This concise handbook provides GPs and other healthcare professionals with all the latest practical guidance on all the commonly used contraceptive methods: * combined oral contraceptives (COCs), patches, and vaginal rings * progestogen-only pills (POPs), progestogen-only injectables and implants * copper intrauterine devices (IUDs) and the levonorgestrel IUS * diaphragms, cervical caps, and male and female condoms * natural fertility awareness advice/kits * emergency contraception * male and female sterilisation. This new edition covers the new position on abortion in Ireland and features new material on contraception for: * women with weight issues, including obesity and eating disorders * women taking

teratogenic drugs * transgender and non-binary people.

Contraception Made Easy, Second Edition

Medical Statistics Made Easyhas been a perennial bestseller since it was first published in 2003 (#1 bestseller in medical statistics on Amazon). It is widely recommend 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." Amazon 5-star reviews: "Fantastic book for someone who just needs to learn about the application

and principles I love this book." "Helpful book, breaks statistics down into more manageable and less daunting chunks, includes information on how important each point is and how often it is used in real life The title doesn't lie." "For anyone that struggles with statistics, this is an absolute must."

Using and Understanding Medical Statistics

This work explains the purpose of statistical methods in medical studies and analyzes the statistical techniques used by clinical investigators, with special emphasis on studies published in "The New England Journal of Medicine". It clarifies fundamental concepts of statistical design and analysis, and facilitates the understanding of research results.

JAMA Guide to Statistics and Methods

Medical Statistics Made Easy

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Medical Statistics at a Glance

The Doctor's Guide to Critical Appraisal, 3e expands on the best-selling second edition with more facts and tips packed into sixty new and updated chapters whilst keeping the unique structure and easy-to-read format. Every chapter focuses on a single topic, assuming no prior knowledge.

Practical Statistics for Medical Research

First edition Highly Commended in the BMA Medical Book Awards 2013! Here's what the judges said: "This is one of the few textbooks I would suggest every clinician reads." From reviews of the first edition: "This is a clearly written and accessible introduction to health economics This book should prove useful to all those responsible for planning and delivering health service. It is a quick read but also a useful reference for the desk. I would commend this book as a means by which people . can better understand both the impact of their own practice on our health economy and also appreciate the methods that are being adopted to determine clinical practice at a regional and super-regional level." Ulster Medical Journal, 2014 Healthcare Economics Made Easy, second edition, is a clear and concise text written for those working in healthcare who need to understand the basics of the subject but who do not want to wade through a specialist health economics text. This new edition builds on the success of the first edition by adding new chapters which provide a comparison across several western

economies, as well as a consideration of the US healthcare system. Healthcare Economics Made Easy, second edition, will equip the reader with the necessary skills to make valid decisions based on the economic data and with the background knowledge to understand the health economics literature. This book provides insight into the economic methods that are used to promote public health policies, the techniques used for grading and valuing evidence and the statistics relied upon, without trying to re-train the reader as a health economist. If you are left bemused by terms such as QALY, health utility analysis and cost minimization analysis, then this is the book for you!

Think Stats

This long awaited second edition of this bestseller continues to provide a comprehensive, user friendly, down-to-earth guide to elementary statistics. The book presents a detailed account of the most important procedures for the analysis of data, from the calculation of simple proportions, to a variety of statistical tests, and the use of regression models for modeling of clinical outcomes. The level of mathematics is kept to a minimum to make the material easily accessible to the novice, and a multitude of illustrative cases are included in every chapter, drawn from the current research literature. The new edition has been completely revised and updated and includes new chapters on basic quantitative methods, measuring survival, measurement scales, diagnostic testing, bayesian methods, meta-analysis

and systematic reviews. " After years of trying and failing, this is the only book on statistics that i have managed to read and understand" - Naveed Kirmani, Surgical Registrar, South London Healthcare HHS Trust, UK

Clinical Evidence Made Easy

In line with the other books in the at a Glance series, Medical Statistics at a Glance leads the reader through a number of self-contained topics, each covering a different aspect of medical statistics. The majority of these use the standard 'At a Glance' format of two pages per topic. The authors have provided a basic introduction to the underlying concepts of medical statistics and a guide to the most commonly used statistical procedures. Topics describing a statistical technique are accompanied by a worked example, using real data, illustrating its use. Where possible, the same data set has been used in more than one topic to reflect the reality of data analysis. Detailed and complex hand calculations have been avoided with a concentration on the interpretation of computer data analysis. Medical Statistics at a Glance is versatile in its use as an explanation, a revision summary and a long-term source of reference. Worked examples to accompany each topic. Emphasis on computer analysis of data rather than hand calculations. Supported by a website at http://www.medstatsaag.com/ - this site contains useful self-assessment questions to aid student learning.

Presenting Medical Statistics from Proposal to Publication

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 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

Oxford Handbook of Medical Statistics

Biostatistics

Designed to support the best-selling third edition of Medical Statistics at a Glance.

Medical and Health Science Statistics Made Easy

Medicine deals with treatments that work often but not always, so treatment success must be based on probability. Statistical methods lift medical research from the anecdotal to measured levels of probability. This book presents the common statistical methods used in 90% of medical research, along with the underlying basics, in two parts: a textbook section for use by students in health care training programs, e.g., medical schools or residency training, and a reference section for use by practicing clinicians in reading medical literature and performing their own research. The book does not require a significant level of mathematical knowledge and couches the methods in multiple examples drawn from clinical medicine, giving it applicable context. Easy-to-follow format incorporates medical examples, step-by-step methods, and check yourself exercises Two-part design features course material and a professional reference section Chapter summaries provide a review of formulas, method algorithms, and check lists Companion site links to statistical databases that can be downloaded and used to perform the exercises from the book and practice statistical methods New in this Edition: New

chapters on: multifactor tests on means of continuous data, equivalence testing, and advanced methods New topics include: trial randomization, treatment ethics in medical research, imputation of missing data, and making evidence-based medical decisions Updated database coverage and additional exercises Expanded coverage of numbers needed to treat and to benefit, and regression analysis including stepwise regression and Cox regression Thorough discussion on required sample size

Introducing Statistics

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 mathematical Contains succinct self-contained chapters, each with one or more examples, many of them new, to illustrate the use of the methodology described in the chapter. Now provides templates for critical appraisal, checklists for the reporting of

randomized controlled trials and observational studies and references to the EQUATOR guidelines for the presentation of study results for many other types of study Includes extensive cross-referencing, flowcharts to aid the choice of appropriate tests, learning objectives for each chapter, a glossary of terms and a glossary of annotated full computer output relevant to the examples in the text Provides cross-referencing to the multiple choice and structured questions in the companion Medical Statistics at a Glance Workbook Medical Statistics at a Glance is a must-have text for undergraduate and post-graduate medical students, medical researchers and biomedical and pharmaceutical professionals.

Medical Statistics Made Easy, Fourth Edition

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 & Demography Made Easy

Medical Statistics

Medical Statistics Made Easy

Blackwell Publishing is delighted to announce that this book hasbeen Highly Commended in the 2004 BMA Medical Book Competition.Here is the judges' summary of this book: "This is a technical book on a technical subject but presentedin a delightful way. There are many books on statistics for doctorsbut there are few that are excellent and this is certainly one ofthem. Statistics is not an easy subject to teach or write about.The authors have succeeded in producing a

book that is as good asit can get. For the keen student who does not want a book formathematicians, this is an excellent first book on medicalstatistics." Essential Medical Statistics is a classic amongst medicalstatisticians. An introductory textbook, it presents statisticswith a clarity and logic that demystifies the subject, whileproviding a comprehensive coverage of advanced as well as basicmethods. The second edition of Essential Medical Statistics hasbeen comprehensively revised and updated to include modernstatistical methods and modern approaches to statistical analysis,while retaining the approachable and non-mathematical style of thefirst edition. The book now includes full coverage of the mostcommonly used regression models, multiple linear regression,logistic regression, Poisson regression and Cox regression, as wellas a chapter on general issues in regression modelling. Inaddition, new chapters introduce more advanced topics such asmeta-analysis, likelihood, bootstrapping and robust standarderrors, and analysis of clustered data. Aimed at students of medical statistics, medical researchers,public health practitioners and practising clinicians usingstatistics in their daily work, the book is designed as both ateaching and a reference text. The format of the book is clear withhighlighted formulae and worked examples, so that all concepts arepresented in a simple, practical and easy-to-understand way. Thesecond edition enhances the emphasis on choice of appropriatemethods with new chapters on strategies for analysis and measuresof association and impact. Essential Medical Statistics is supported by a web siteat www.blackwellpublishing.com/essentialmedstats. Thisuseful online resource

provides statistical datasets to download,as well as sample chapters and future updates.

Medical Statistics Made Easy 2

The majority of medical research 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.

Statistics Made Easy

It is not necessary to know how to do a statistical analysis to critically appraise a paper. However, it is necessary to have a grasp of the basics, of whether the right test has been used and how to interpret the resulting figures. Short, readable, and useful, this book provides the essential, basic information without becoming bogged down in the

The Doctor's Guide to Critical Appraisal

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 confidence intervals and probability values, numbers needed to treat t tests and other parametric tests, survival analysis, and more. Highlighted examples, exam tips, and items of difficulty make this an ideal primer for all health-related students and professionals.

Dental Statistics Made Easy, Third Edition

This book offers a comprehensive guide to essential techniques and methods in biostatistics, addressing the underlying concepts to aid in comprehension. The use of biostatistics techniques has increased manifold in the recent past, due to their suitability for applications in a wide range of problems in various fields. This book helps learners grasp the materials in detail, equipping them to use biostatistics techniques independently and confidently. The book starts with a summary of background materials, followed by methods and techniques. As such, with only minimum guidance from teachers, this book can provide materials for self-learning of biostatistics techniques with a deeper level of understanding. The first two chapters focus on fundamental concepts, sources of data, data types, organization of data, and descriptive statistics, followed by the basic probability concepts, distributions and sampling distributions needed in order to combine descriptive statistics with inferential techniques. Estimation and tests of hypotheses are

illustrated in two separate chapters. Important measures of association, linear regression, analysis of variance and logistic regression, and proportional hazards models are then presented systematically, ensuring that the book covers the topics most essential to students and users of biostatistics in connection with a wide range of applications in various fields. The book has been carefully structured, and the content is presented in a sequence covering the essential background in a highly systematic manner, supporting the learning process by presenting theory and applications that complement one another.

Statistics for People Who (Think They) Hate Statistics

From the medicine we take, the treatments we receive, the aptitude and psychometric tests given by employers, the cars we drive, the clothes we wear to even the beer we drink, statistics have given shape to the world we inhabit. For the media, statistics are routinely 'damning', 'horrifying', or, occasionally, 'encouraging'. Yet, for all their ubiquity, most of us really don't know what to make of statistics. Exploring the history, mathematics, philosophy and practical use of statistics, Eileen Magnello - accompanied by Bill Mayblin's intelligent graphic illustration - traces the rise of statistics from the ancient Babylonians, Egyptians and Chinese, to the censuses of Romans and the Greeks, and the modern emergence of the term itself in Europe. She explores the 'vital statistics' of, in particular, William Farr, and the mathematical statistics of Karl Pearson and R.A.

Fisher.She even tells how knowledge of statistics can prolong one's life, as it did for evolutionary biologist Stephen Jay Gould, given eight months to live after a cancer diagnoses in 1982 - and he lived until 2002. This title offers an enjoyable, surprise-filled tour through a subject that is both fascinating and crucial to understanding our world.

Statistics Done Wrong

Statistics Done Wrong describes how researchers often go wrong and teaches you the best practices for avoiding their mistakes.

Medical Statistics from Scratch

Derived from his bestselling text Statistics for People Who (Think They) Hate Statistics, author Neil J. Salkind presents readers with The Excel Edition! Using the same personable and clear style that made previous editions so successful, this new edition teaches students how they can use Excel to learn the basics of statistics. This is not a text on how to use Excel, rather it illustrates how this program can make the statistics learning experience a better one.

Medical Uses of Statistics

Basic Statistics and Epidemiology is a straightforward primer in basic statistics that emphasizes its practical use in epidemiology and public health, providing an understanding of essential topics such as study design, data analysis and statistical methods used in the execution of medical research. Assuming no prior knowledge, the clarity of the text and care of presentation ensure those new to, or challenged by, these topics are given a thorough introduction without being overwhelmed by unnecessary detail. An understanding and appreciation of statistics is central to ensuring that professional practice is based on the best available evidence, in order to treat and help most appropriately the wider community. By reading this book, students, researchers, doctors, nurses and health managers will have the knowledge necessary to understand and apply the tools of statistics and epidemiology to their own practice.

Medical Statistics

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

Medical and Health Science Statistics Made Easy

Medical Statistics Made Easy 2nd edition continues to provide the easiest possible explanations of the key statistical techniques used throughout the medical literature. Featuring a comprehensive updating of the 'Statistics at work' section, this new edition retains a consistent, concise, and user-friendly format. Each technique is graded for ease of use and frequency of appearance in the mainstream medical journals. Medical Statistics Made Easy 2nd edition is essential reading for anyone looking to understand: * confidence intervals and probability values * numbers needed to treat * t tests and other parametric tests * survival analysis If you need to understand the medical literature, then you need to read this book. Reviews: "This book helps medical students understand the basic concepts of medical statistics starting in a 'step-by-step approach'. The authors have designed the book assuming that the reader has no prior knowledge. It focuses on the most common statistical concepts that are likely to be faced in medical literature. All chapters are concise and simple to understand. Each chapter starts with an introduction which consists of “how important” that particular statistical concept is, using a 'star' system. A 'thumbs-up' system shows how easy the statistical concept is to understand. Both these systems indicate time-efficient learning allowing yourself to focus on areas you find most difficult. Following this, there are worked out examples with exam-tips at the end of some chapters. The last chapter, 'Statistics at Work', shows how medical statistics is put into practice

using worked out examples from renowned journals. This helps in assessing the reader's own knowledge and gives them confidence in analysis of statistics of a journal. In conclusion, we would recommend this book as an introduction into medical statistics before plunging into the deep 'statistical' waters! It gives confidence to the reader in taking up the challenge of understanding statistics and [being] able to apply knowledge in analysing medical literature." Stefanie Zhao Lin Lip & Louise Murchison, Scottish Medical Journal, June 2010 "If ever there was a book that completely lived up to its title, this is itPerhaps above everything, it is the chapter layout and design that makes this book stand out head and shoulders above the crowd. At the beginning of each chapter two questions are posed – how important is the subject in question and how difficult is it to understand? The first is answered on the basis of how often the subject is mentioned / used in papers published in mainstream medical journals. A star rating is then given from one to five with five stars implying use in the majority of papers published. The second question is answered by means of a 'thumbs up' grading system. The more thumbs, the easier the concept is to understand (maximum of five). This, of course, provides a route into statistics for even the most idle of uneducated individuals! Five stars and five thumbs must surely indicate time-efficient learning! At the end of each chapter exam tips (light bulb icon!) are given – I doubt anyone could ask for more! The whole way in which the authors have written this book is commendable; the chapters are succinct, easy to follow and a pleasure to readIs it value for money? – a definite yes even at twice the price. Of course I never

exaggerate but if you breathe, you should own this book!" Ian Pearce, Urology News, June 2010

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION