

Medical Statistics At A Glance Workbook

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

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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,

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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

Immunology at a Glance provides a user-friendly overview of the body's defence mechanisms. Ideal from day one of a medical, biomedical or life science course, the

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text begins with a basic overview of both adaptive and innate immunity, before progressing to applied immunological concepts, which look at what happens when things go wrong, and how, in clinical medicine, each body system can be affected by immunity. Each double-page spread corresponds to a typical lecture and diagrammatically summarises core concepts in immunology, through accessible schematic diagrams on

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left-hand pages, with key points concisely summarised on the right-hand page. There are also self-assessment essay questions so you can test your knowledge. New for this 10th edition:

Thoroughly updated and reorganised chapters offer greater clarity and easier understanding for those new to the subject

New chapters on cytokine receptors and ‘Immunology in the Laboratory’ A completely re-written section on autoimmunity

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A brand new companion website featuring self-assessment questions and PowerPoint slides of images from the book, ideal for teaching and revision at <http://www.ataglanceseries.com/immunology> www.ataglanceseries.com/immunology /a Immunology at a Glance is the ideal companion for anyone about to start a new course in immunology and will appeal to medical and biomedical science students. Perfect for

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exam preparation, it provides the concepts and frameworks you need to succeed in your exam. 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.

Metabolism at a Glance

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presents a concise, illustrated summary of metabolism in health and disease. This essential text is progressively appropriate for introductory through to advanced medical and biochemistry courses. It also provides a succinct review of inborn errors of metabolism, and reference for postgraduate medical practitioners and biomedical scientists who need a resource to quickly refresh their knowledge. Fully updated

and extensively illustrated, this new edition of Metabolism at a Glance is now in full colour throughout, and includes new coverage of sports biochemistry; the metabolism of lipids, carbohydrates and cholesterol; glyceroneogenesis, α -oxidation and ω -oxidation of fatty acids. It also features the overlooked “Krebs Uric Acid Cycle”. Metabolism at a Glance offers an accessible introduction to metabolism, and is ideal

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**as a revision aid for
students preparing for
undergraduate and
USMLE Step 1 exams.
How Colonialism, Slavery,
and War Transformed
Medicine**

**Practical Statistics for
Data Scientists**

Basic Skills in Statistics

Medical Statistics

50 Essential Concepts

Lecturers - request an e-inspection
copy of this text or contact your local
SAGE representative to discuss your
course needs. Watch Andy Field's
introductory video to Discovering
Statistics Using R Keeping the
uniquely humorous and self-

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deprecating style that has made students across the world fall in love with Andy Field's books, *Discovering Statistics Using R* takes students on a journey of statistical discovery using R, a free, flexible and dynamically changing software tool for data analysis that is becoming increasingly popular across the social and behavioural sciences throughout the world. The journey begins by explaining basic statistical and research concepts before a guided tour of the R software environment. Next you discover the importance of exploring and graphing data, before moving onto statistical tests that are the foundations of the rest of the book (for example correlation and regression). You will then stride confidently into

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intermediate level analyses such as ANOVA, before ending your journey with advanced techniques such as MANOVA and multilevel models. Although there is enough theory to help you gain the necessary conceptual understanding of what you're doing, the emphasis is on applying what you learn to playful and real-world examples that should make the experience more fun than you might expect. Like its sister textbooks, *Discovering Statistics Using R* is written in an irreverent style and follows the same ground-breaking structure and pedagogical approach. The core material is augmented by a cast of characters to help the reader on their way, together with hundreds of examples, self-assessment tests to consolidate knowledge, and additional

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website material for those wanting to learn more. Given this book's accessibility, fun spirit, and use of bizarre real-world research it should be essential for anyone wanting to learn about statistics using the freely-available R software.

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

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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

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Read a Paper is an ideal resource for healthcare students, practitioners and anyone seeking an accessible introduction to evidence-based healthcare.

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

Critical Care Medicine at a Glance is an accessible introduction and revision text for junior clinicians. Fully revised and updated to reflect changes to the content and assessment methods used by medical schools and postgraduate training programmes, this *at a Glance* provides a user-friendly overview of critical care medicine to encapsulate all that the student needs to know. This new edition of *Critical Care Medicine at a Glance*: • Is fully revised and

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updated to increase coverage of a rapidly expanding area of medicine • Provides a simple and straightforward, yet rapid, introduction to the care of the acutely ill • Features new 'Pearls of Wisdom', to aid learning and understanding • Includes an appendix of top nutrition tips from the Royal College of Physicians • Provides increased coverage of neurological emergencies, acute and abdominal emergencies, arrhythmias, imaging and fluid management Critical Care Medicine at a Glance is ideal for medical students, junior doctors, nurses, and other healthcare professionals expected to acquire the skills and knowledge needed to care for acutely ill patients.

Medical Statistics Made Easy

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A Text Book of Agricultural Statistics
An Introduction for Health
Professionals

A Guide for Healthcare Professionals
The Bare Essentials

This Book Is A Comprehensive
Textbook Covering All The Courses
Taught In Statistics At The
Undergraduate And Postgraduate
Levels In Agricultural Faculties Of
Indian Agricultural Universities. It
Also Serves As A Textbook In
Conventional Universities Where
Statistics Is Being Taught As
Separate Papers In The Fields Of Life
Sciences Like Zoology, Botany;
Microbiology, Etc. It Provides A
Highly Readable Account Of Testing
Of Hypothesis, Sampling And
Experimental Designs. This Book Can
Serve As An Effective Reference

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Book For The Research Workers In Agriculture And Other Fields. Statistics can be an intimidating subject for many students and clinicians. This concise text introduces 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.

Biostatistics and Epidemiology/A Primer for Health Professionals offers practical guidelines and gives a concise framework for research and interpretation in the field. In addition to major sections covering statistics and epidemiology, the book includes a comprehensive exploration of scientific methodology,

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probability, and the clinical trial. The principles and methods described in this book are basic and apply to all medical subspecialties, psychology and education. The primer will be especially useful to public health officials and students looking for an understandable treatment of the subject.

Highly Commended in Obstetrics and gynaecology in the 2017 BMA Medical Book Awards Embryology at a Glance is a highly illustrated and innovative introduction to key embryological concepts, with concise, memorable descriptions of major embryological developments. This new edition covers the basic principles of human development, from mitosis and meiosis, before exploring the primary formation of each body system, including the

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development of the musculoskeletal, circulatory, digestive, reproductive, and nervous systems during the foetal and neonatal periods. Key features include: New chapters on cell signalling genes, stem cells, and antenatal screening for common congenital and genetic defects Full colour photographs and illustrations Links to clinical practice highlighted throughout Timelines of each developmental stage MCQs and EMQs for revision and review A companion website at www.ataglanceseries.com/embryology featuring 15 brand new animations, and podcasts to help clearly explain the processes that occur during development. An additional instructor resource contains an image bank of all the figures from the book to aid teaching this fascinating area Embryology at a

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Glance provides the perfect alternative to the overwhelming detail seen in conventional embryology texts. It provides just the right level of detail on embryology and congenital abnormalities for all medical students and health professionals to develop a thorough understanding of human development and its implications for clinical practice.

Medical Statistics from Scratch

How to Read a Paper

Essential Medical Statistics

Medical Statistics at a Glance Text
and Workbook

A Guide for Health Promotion
Practice

Blackwell Publishing is delighted to
announce that this book has been
Highly Commended in the 2004

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BMA Medical Book

Competition. Here is the judges' summary of this book: "This is a technical book on a technical subject but presented in a delightful way.

There are many books on statistics for doctors but there are few that are excellent and this is certainly one of them. Statistics is not an easy subject to teach or write about. The authors have succeeded in producing a book that is as good as it can get. For the keen student who does not want a book for mathematicians, this is an excellent first book on medical statistics." Essential Medical Statistics is a classic amongst medical statisticians. An introductory textbook, it presents statistics with a

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clarity and logic that demystifies the subject, while providing a comprehensive coverage of advanced as well as basic methods. The second edition of Essential Medical Statistics has been comprehensively revised and updated to include modern statistical methods and modern approaches to statistical analysis, while retaining the approachable and non-mathematical style of the first edition. The book now includes full coverage of the most commonly used regression models, multiple linear regression, logistic regression, Poisson regression and Cox regression, as well as a chapter on general issues in regression modelling. In addition, new chapters

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introduce more advanced topics such as meta-analysis, likelihood, bootstrapping and robust standard errors, and analysis of clustered data. Aimed at students of medical statistics, medical researchers, public health practitioners and practising clinicians using statistics in their daily work, the book is designed as both a teaching and a reference text. The format of the book is clear with highlighted formulae and worked examples, so that all concepts are presented in a simple, practical and easy-to-understand way. This second edition enhances the emphasis on choice of appropriate methods with new chapters on strategies for analysis

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and measures of association and impact. Essential Medical Statistics is supported by a web site at www.blackwellpublishing.com/essentialmedstats. This useful online resource provides statistical datasets to download, as well as sample chapters and future updates.

Statistical methods are a key part of data science, yet very few data scientists have any formal statistics training. Courses and books on basic statistics rarely cover the topic from a data science perspective.

This practical guide explains how to apply various statistical methods to data science, tells you how to avoid their misuse, and gives you advice on what's important and what's not. Many data science resources

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incorporate statistical methods but lack a deeper statistical perspective. If you're familiar with the R programming language, and have some exposure to statistics, this quick reference bridges the gap in an accessible, readable format. With this book, you'll learn: Why exploratory data analysis is a key preliminary step in data science How random sampling can reduce bias and yield a higher quality dataset, even with big data How the principles of experimental design yield definitive answers to questions How to use regression to estimate outcomes and detect anomalies Key classification techniques for predicting which categories a record belongs to Statistical machine

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learning methods that “learn” from data
Unsupervised learning methods for extracting meaning from unlabeled data

First Prize in Public health in the 2017 BMA Medical Book Awards
Public Health and Epidemiology at a Glance is a highly visual introduction to the key concepts and major themes of population health. With comprehensive coverage of all the core topics covered at medical school, it helps students understand the determinants of health and their study, from personal lifestyle choices and behaviour, to environmental, social and economic factors. This fully updated new edition features:

- More coverage of audit and quality improvement techniques
- Brand

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new sections on maternal and child health, and health of older people • New chapters on social determinants of health and guideline development • Expanded self-assessment material This accessible guide is an invaluable resource for medical and healthcare students, junior doctors, and those preparing for a career in epidemiology and public health

If you want to outsmart a crook, learn his tricks—Darrell Huff explains exactly how in the classic *How to Lie with Statistics*. From distorted graphs and biased samples to misleading averages, there are countless statistical dodges that lend cover to anyone with an ax to grind or a product to

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sell. With abundant examples and illustrations, Darrell Huff's lively and engaging primer clarifies the basic principles of statistics and explains how they're used to present information in honest and not-so-honest ways. Now even more indispensable in our data-driven world than it was when first published, *How to Lie with Statistics* is the book that generations of readers have relied on to keep from being fooled.

A Primer for Health Professionals

Maladies of Empire

Metabolism at a Glance

Oxford Handbook of Medical
Statistics

Public Health Leadership

Holistic approach to

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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

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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

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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.

A fully updated edition of this key text on mixed models, focusing on applications in

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medical research The application of mixed models is an increasingly popular way of analysing medical data, particularly in the pharmaceutical industry. A mixed model allows the incorporation of both fixed and random variables within a statistical analysis, enabling efficient inferences and more information to be gained from the data. There have been many recent advances in mixed modelling, particularly

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regarding the software and applications. This third edition of Brown and Prescott's groundbreaking text provides an update on the latest developments, and includes guidance on the use of current SAS techniques across a wide range of applications. Presents an overview of the theory and applications of mixed models in medical research, including the latest developments and new sections on incomplete block designs

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and the analysis of bilateral data. Easily accessible to practitioners in any area where mixed models are used, including medical statisticians and economists. Includes numerous examples using real data from medical and health research, and epidemiology, illustrated with SAS code and output. Features the new version of SAS, including new graphics for model diagnostics and the procedure PROC MCMC.

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Supported by a website featuring computer code, data sets, and further material. This third edition will appeal to applied statisticians working in medical research and the pharmaceutical industry, as well as teachers and students of statistics courses in mixed models. The book will also be of great value to a broad range of scientists, particularly those working in the medical and pharmaceutical areas.

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A clear and concise introduction and reference for anyone new to the subject of statistics.

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

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information without
becoming bogged down in
the

How to Lie with
Statistics

OECD Indicators

Health at a Glance 2017

OECD Indicators

Public Health and

Epidemiology at a Glance

An Introduction to

Medical Statistics

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

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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

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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.

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

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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

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have labeled these "C.R.A.P. Detectors" (Convoluting Reasoning and Anti-intellectual Pomposity), which help you to identify faulty methodology and misuse of statistics.

Companion v. to: Medicine at a glance. 3rd ed. 2010.

Medical Statistics at a Glance is a concise and accessible introduction and revision aid for this complex subject. The self-contained chapters explain the underlying concepts of medical statistics and provide a guide to the most commonly used statistical procedures. This new edition of Medical Statistics at a Glance: Presents key facts accompanied by clear and informative tables and diagrams Focuses on illustrative examples which show statistics in

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action, with an emphasis on the interpretation of computer data analysis rather than complex hand calculations Includes extensive cross-referencing, a comprehensive glossary of terms and flow-charts to make it easier to choose appropriate tests Now provides the learning objectives for each chapter Includes a new chapter on Developing Prognostic Scores Includes new or expanded material on study management, multi-centre studies, sequential trials, bias and different methods to remove confounding in observational studies, multiple comparisons, ROC curves and checking assumptions in a logistic regression analysis The companion website at www.medstatsaag.com contains supplementary material including

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an extensive reference list and multiple choice questions (MCQs) with interactive answers for self-assessment. Medical Statistics at a Glance will appeal to all medical students, junior doctors and researchers in biomedical and pharmaceutical disciplines.

Reviews of the previous editions "The more familiar I have become with this book, the more I appreciate the clear presentation and unthreatening prose. It is now a valuable companion to my formal statistics course." -International Journal of Epidemiology "I heartily recommend it, especially to first years, but it's equally appropriate for an intercalated BSc or Postgraduate research. If statistics give you headaches - buy it. If statistics are all you think about -

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buy it." -GKT Gazette "...I unreservedly recommend this book to all medical students, especially those that dislike reading reams of text. This is one book that will not sit on your shelf collecting dust once you have graduated and will also function as a reference book."
-4th Year Medical Student, Barts and the London Chronicle, Spring 2003

The Basics of Evidence-based
Medicine and Healthcare
Occupational Outlook Handbook
The Fundamentals of Modern
Statistical Genetics
Embryology at a Glance
Medical Statistics at a Glance
Workbook

This new edition of
Health at a Glance

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presents the most recent comparable data on the health status of populations and health system performance in OECD countries.

Scientific progress depends on good research, and good research needs good statistics. But statistical analysis is tricky to get right, even for the best and brightest of us. You'd be surprised how many scientists are doing it wrong. *Statistics Done Wrong* is a pithy,

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essential guide to statistical blunders in modern science that will show you how to keep your research blunder-free. You'll examine embarrassing errors and omissions in recent research, learn about the misconceptions and scientific politics that allow these mistakes to happen, and begin your quest to reform the way you and your peers do statistics. You'll find advice on: -Asking the right question, designing the right

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experiment, choosing the right statistical analysis, and sticking to the plan -How to think about p values, significance, insignificance, confidence intervals, and regression -Choosing the right sample size and avoiding false positives -Reporting your analysis and publishing your data and source code -Procedures to follow, precautions to take, and analytical software that can help Scientists: Read this

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concise, powerful guide to help you produce statistically sound research. Statisticians: Give this book to everyone you know. The first step toward statistics done right is *Statistics Done Wrong*. 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

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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

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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,

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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

A sweeping global
history that looks
beyond European urban
centers to show how
slavery, colonialism,
and war propelled the

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development of modern medicine. Most stories of medical progress come with ready-made heroes. John Snow traced the origins of London's 1854 cholera outbreak to a water pump, leading to the birth of epidemiology. Florence Nightingale's contributions to the care of soldiers in the Crimean War revolutionized medical hygiene, transforming hospitals from crucibles of infection to sanctuaries of

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recuperation. Yet histories of individual innovators ignore many key sources of medical knowledge, especially when it comes to the science of infectious disease. Reexamining the foundations of modern medicine, Jim Downs shows that the study of infectious disease depended crucially on the unrecognized contributions of nonconsenting subjects—conscripted soldiers, enslaved people, and subjects of

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empire. Plantations, slave ships, and battlefields were the laboratories in which physicians came to understand the spread of disease. Military doctors learned about the importance of air quality by monitoring Africans confined to the bottom of slave ships. Statisticians charted cholera outbreaks by surveilling Muslims in British-dominated territories returning from their annual pilgrimage. The field

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hospitals of the Crimean War and the US Civil War were carefully observed experiments in disease transmission. The scientific knowledge derived from discarding and exploiting human life is now the basis of our ability to protect humanity from epidemics. Boldly argued and eye-opening, *Maladies of Empire* gives a full account of the true price of medical progress.

Critical Care Medicine
at a Glance

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Statistics for
Veterinary and Animal
Science

A Textbook for the
Health Sciences

Health at a Glance 2019
OECD Indicators

Statistics in a Nutshell
**Now in its Fourth Edition,
An Introduction to Medical
Statistics continues to be
a 'must-have' textbook for
anyone who needs a clear
logical guide to the
subject. Written in an
easy-to-understand style
and packed with real life
examples, the text clearly
explains the statistical**

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principles used in the medical literature. Taking readers through the common statistical methods seen in published research and guidelines, the text focuses on how to interpret and analyse statistics for clinical practice. Using extracts from real studies, the author illustrates how data can be employed correctly and incorrectly in medical research helping readers to evaluate the statistics they encounter and appropriately implement findings in clinical

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practice. End of chapter exercises, case studies and multiple choice questions help readers to apply their learning and develop their own interpretative skills. This thoroughly revised edition includes new chapters on meta-analysis, missing data, and survival analysis. 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

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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

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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-

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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

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biomedical and
pharmaceutical
professionals.

During the last twenty
years, the interest in
public health leadership
has continued to increase
with the need to
strengthen the
infrastructure of public
health, the events of
September 11, 2001, the
health reform movement,
and scientific
breakthroughs. The
increasing role for
primary care programs in
the public health agenda,
and the increasing deficit
at the federal, state, and

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local level. In five parts, this book explores the basic theories and principles of leadership and then describes how they may be applied in the public health setting. Leadership skills and competencies, as well as methods for measuring and evaluating leaders are all thoroughly covered. This new third edition is an exhaustive revision that now includes extensive coverage of the leadership skills and tools that are critical to managing public health emergencies. Health at a Glance

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compares key indicators for population health and health system performance across OECD members, candidate and partner countries. It highlights how countries differ in terms of the health status and health-seeking behaviour of their citizens; access to and quality of health care; and the resources available for health. Analysis is based on the latest comparable data across 80 indicators, with data coming from official national statistics, unless otherwise stated.

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**Medicine at a Glance: Core
Cases**

Theory at a Glance

**Applied Mixed Models in
Medicine**

**Medical Statistics at a
Glance**

Biostatistics

The bestselling Medical Statistics at a Glance, 3rd Edition, and its companion volume, Medical Statistics at a Glance Workbook, together at specially-discounted price, providing a complete, concise, and accessible introduction to medical statistics.

This book covers the

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statistical models and methods that are used to understand human genetics, following the historical and recent developments of human genetics. Starting with Mendel's first experiments to genome-wide association studies, the book describes how genetic information can be incorporated into statistical models to discover disease genes. All commonly used approaches in statistical genetics (e.g. aggregation analysis, segregation, linkage analysis, etc), are used, but the focus of the

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book is modern approaches to association analysis. Numerous examples illustrate key points throughout the text, both of Mendelian and complex genetic disorders. The intended audience is statisticians, biostatisticians, epidemiologists and quantitatively- oriented geneticists and health scientists wanting to learn about statistical methods for genetic analysis, whether to better analyze genetic data, or to pursue research in methodology. A background in intermediate level

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statistical methods is required. The authors include few mathematical derivations, and the exercises provide problems for students with a broad range of skill levels. No background in genetics is assumed.

Banish your fears of statistical analysis using this clearlywritten and highly successful textbook.

Statistics forVeterinary and Animal Science Third Edition is an introductorytext which assumes no previous knowledge of statistics.

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It starts with very basic methodology and builds on it to encompass some of the more advanced techniques that are currently used. This book will enable you to handle numerical data and critically appraise the veterinary and animal science literature. Written in a non-mathematical way, the emphasis is on understanding the underlying concepts and correctly interpreting computer output, and not on working through mathematical formulae. Key features: Flow charts are

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provided to enable you to choose the correct statistical analyses in different situations Numerous real worked examples are included to help you master the procedures Two statistical packages, SPSS and Stata, are used to analyse data to familiarise you with typical computer output The data sets from the examples in the book are available as electronic files to download from the book's companion website in ASCII, Excel, SPSS, Stata and R Workspace formats, allowing you to practice

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using your own software and fully get to grips with the techniques A clear indication is provided of the more advanced or obscure topics so that, if desired, you can skip them without loss of continuity. New to this edition: New chapter on reporting guidelines relevant to veterinary medicine as a ready reference for those wanting to follow best practice in planning and writing up research New chapter on critical appraisal of randomized controlled trials and

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observational studies in the published literature: a template is provided which is used to critically appraise two papers New chapter introducing specialist topics: ethical issues of animal investigations, spatial statistics, veterinary surveillance, and statistics in molecular and quantitative genetics Expanded glossaries of notation and terms Additional exercises and further explanations added throughout to make the book more comprehensive. Carrying out statistical procedures and

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interpreting the results is an integral part of veterinary and animal science. This is the only book on statistics that is specifically written for veterinary science and animal science students, researchers and practitioners.

The 5th edition of this popular introduction to statistics for the medical and health sciences has undergone a significant revision, with several new chapters added and examples refreshed throughout the book. Yet it retains its central

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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

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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

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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 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,

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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.

Biostatistics and

Epidemiology

Discovering Statistics Using

R

Immunology at a Glance

A Guide to Data Analysis and

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Statistics Done Wrong