Medical Statistics At A Glance 3rd Edition

"Provides concise and accessible explanations of the reasoning behind the skills"--Provided by publisher. Nursing and Healthcare Research at a Glance is perfect for nursing and healthcare students, as well as newly qualified practitioners and anyone looking for a refresher or introduction to research. Covering a broad range of topics gathered under key sections, this essential book combines informative diagrams and images to provide memorable information for students on one page, and accessible, clearly written text on the facing page. It includes information on a range of quantitative and qualitative research methods, the process of gaining ethical permission, conducting research with special groups including children, and successfully conducting reviews of the literature. Key features include: Clear and informative full colour illustrations throughout An emphasis on need-to-know research information for busy students and healthcare staff A wide range of research methods, currently used in modern healthcare research An impressive line-up of specialist and well-known experts in the field of health and nursing research This book provides quick access to the principles and reality of research and its implementation within the education and practice environment. It is essential reading for anyone in health service education and service settings with limited time who need to draw on research evidence.

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 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.

Healthcare Simulation at a Glance provides an accessible overview to key educational aspects of simulation education, and how they relate to simulation in clinical practice and university based education. Structured into five sections, it begins with an introduction to simulation before moving on to focusing on the learning theories that underpins the approaches, and how to embed simulation into a programme. Sections three and four look at the technical and non-technical features of simulation in various contexts, and how it can be used in assessment and providing feedback to health professionals. The last section considers how simulation educators can develop their own practice through different activities and approaches. Using case examples and practical tips, Healthcare Simulation at a Glance offers structure and a framework applicable to a complex area, and is ideal for those new to using simulation in education, as well as experienced

academics.

Medical Statistics at a Glance provides a concise and accessible introduction and revision aid for undergraduate medical students and anyone wanting a straightforward introduction to this complex subject. Following the familiar, easy-to-use at a Glance format, each topic is presented as a double-page spread with key facts accompanied by clear, informative tables, formulae and graphs. This new edition of Medical Statistics at a Glance: Contains a second colour throughout to enhance the visual appeal, making the subject even easier to understand Features worked examples on each topic, with emphasis on computer analysis of data rather than hand calculations Includes new topics on Rates and Poisson regression, Generalised linear models, Explanatory variables in statistical models and Regression models for clustered data. Has an accompanying website http://www.medstatsaag.com/containing supplementary material including multiple choice questions (MCQs) with annotated 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 last edition "All medical professionals will come across statistics in their daily work and so a proper understanding of these concepts is invaluable. This is brought to you in this easily comprehensible succinct textbook. .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, vol.5, issue 1 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.

Providing a comprehensive and evidence-based reference guide for those who have a strong and scholarly interest in medical education, the Oxford Textbook of Medical Education contains everything the medical educator needs to know in order to deliver the knowledge, skills, and behaviour that doctors need. The book explicitly states what constitutes best practice and gives an account of the evidence base that corroborates this. Describing the theoretical educational principles that lay the foundations of best practice in medical education, the book gives readers a through grounding in all aspects of this discipline. Contributors to this book come from a variety of different backgrounds, disciplines and continents, producing a book that is truly original and international.

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, 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 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 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. This concise paperback is one of the best known guides to writing apaper for publication in biomedical journals. Its straightforwardformat – a chapter covering each of part of the structuredabstract – makes it relevant and easy to use for any novicepaper writer. How to Write a Paper addresses the mechanics ofsubmission, including electronic submission, and how publishershandle papers, writing letters to journals abstracts for scientificmeetings, and assessing papers. This new edition also covers how towrite a book review and updated chapters on ethics, electronicpublication and submission, and the movement for open access. 'A statistical national treasure' Jeremy Vine, BBC Radio 2 'Required reading for all politicians, journalists, medics and anyone who tries to influence people (or is influenced) by statistics. A tour de force' Popular Science Do busier hospitals have higher survival rates? How many trees are there on the planet? Why do old men have big ears? David Spiegelhalter reveals the answers to these and many other questions - questions that can only be addressed using statistical science. Statistics has played a leading role in our scientific understanding of the world for centuries, yet we are all familiar with the way statistical claims can be sensationalised, particularly in the media. In the age of big data, as data science becomes established as a discipline, a basic grasp of statistical literacy is more important than ever.

In The Art of Statistics, David Spiegelhalter guides the reader through the essential principles we need in order to derive knowledge from data. Drawing on real world problems to introduce conceptual issues, he shows us how statistics can help us determine the luckiest passenger on the Titanic, whether serial killer Harold Shipman could have been caught earlier, and if screening for ovarian cancer is beneficial. 'Shines a light on how we can use the ever-growing deluge of data to improve our understanding of the world' Nature 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. This straightforward primer in basic statistics emphasises 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.

The definitive companion for medical science study andrevision Medical Sciences at a Glance consolidates the scientificknowledge a student needs to know to provide a solid framework ofkey facts to build on. Concise, easy to follow, writtenspecifically for medical students, and using the unique at aGlance style to convey key concepts, Medical Sciences at aGlance also demonstrates vital links between different topicsand across systems. It is the perfect resource for bridgingthe gap between A-Level and university, studying a new topic,revising for exams, or refreshing knowledge while onplacement. Key features: Fully cross-referenced to Medicine at a Glance: togetherthey cover the core concepts of an entire medical degree Highlights key points and their clinical relevance for quickrevision and retention of what's most important Brings together all the scientific content on a medical coursein one easy-to-read, highly-illustrated title Accompanied by a companion website atataglanceseries.com/medicalsciences featuring interactivemultiple-choice questions and key points for revision Medical Sciences at a Glance provides the vitalscientific grounding needed to succeed at medical school. 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. Itstarts with very basic methodology and builds on it to encompasssome of the more advanced techniques that are currently used. This book will enable you to handle numerical data and criticallyappraise the veterinary and animal science literature. Written in anon-mathematical way, the emphasis is on understanding theunderlying concepts and correctly interpreting computer output, andnot on working through mathematical formulae. Key features: Flow charts are provided to enable you to choose the correctstatistical

analyses in different situations Numerous real worked examples are included to help you masterthe procedures Two statistical packages, SPSS and Stata, are used to analysedata to familiarise you with typical computer output The data sets from the examples in the book are available aselectronic files to download from the book's companionwebsite in ASCII, Excel, SPSS, Stata and RWorkspace formats, allowing you to practice using your ownsoftware and fully get to grips with the techniques A clear indication is provided of the more advanced or obscuretopics so that, if desired, you can skip them without loss ofcontinuity. New to this edition: New chapter on reporting guidelines relevant to veterinarymedicine as a ready reference for those wanting to follow bestpractice in planning and writing up research New chapter on critical appraisal of randomized controlledtrials and observational studies in the published literature: atemplate is provided which is used to critically appraise twopapers New chapter introducing specialist topics: ethical issues ofanimal investigations, spatial statistics, veterinary surveillance,and statistics in molecular and quantitative genetics Expanded glossaries of notation and terms Additional exercises and further explanations added throughoutto make the book more comprehensive. Carrying out statistical procedures and interpreting the resultsis an integral part of veterinary and animal science. This is theonly book on statistics that is specifically written for veterinaryscience and animal science students, researchers andpractitioners. Health at a Glance: Europe 2018 presents comparative analyses of the health status of EU citizens and the performance of the health systems of the 28 EU Member States, 5 candidate countries and 3 EFTA countries. Geriatric Medicine at a Glance logically presents the core principles of geriatric medicine, including mechanisms of

ageing, changes in physiology commonly seen in older adults, and the clinical management and treatment of the key medical presentations affecting older patients. It provides a thorough overview of the essential required core knowledge, mapped to the British Geriatrics Society undergraduate curriculum on ageing. Geriatric Medicine at a Glance: - Is fully aligned with the newly developed British Geriatric Society curriculum on ageing for undergraduate medical students - Explains the relevant concepts associated with ageing in addition to the common medical presentations seen in older adults - Includes the perspective of nurses and other allied health professionals - Features 'best of five' MCQ self-assessment questions Geriatric Medicine at a Glance will help address the uncertainty often experienced by medical students and junior doctors when dealing with older patients. Medical Statistics at a GlanceJohn Wiley & Sons 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.

If you know how to program, you have the skills to turn data into knowledge, using tools of probability and statistics. This concise introduction shows you how to perform statistical analysis computationally, rather than mathematically, with programs written in Python. By working with a single case study throughout this thoroughly revised book, you'll learn the entire process of exploratory data analysis—from collecting data and generating statistics to identifying patterns and testing hypotheses. You'll explore distributions, rules of probability, visualization, and many other tools and concepts. New chapters on regression, time series analysis, survival analysis, and analytic methods will enrich your discoveries. Develop an 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 Import data from most sources with Python, rather than rely on data that's cleaned and formatted for statistics tools Use statistical inference to answer questions about real-world data

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.

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.

Sexual and Reproductive Health at a Glance provides a highly-illustrated, visual introduction to all aspects of sexual and reproductive health, from basic clinical examination skills to the management of acute Sexually Transmitted Infections (STIs) and unplanned pregnancy. Covering topics which are often difficult to access as an undergraduate or junior doctor, Sexual and Reproductive Health at a Glance focuses on the fundamental principles in delivering effective contraception and sexual health care. It features high-yield information on the essential clinical topics covered in the Community Sexual and Reproductive Health (CSRH) curriculum. Presented in the familiar, easy-to-use, at a Glance format, Sexual and Reproductive Health at a Glance: • Provides a quick revision of basic anatomy, physiology and clinical skills • Offers balanced coverage of both male and female GU pathology, STIs and contraception • Includes material on practical gynaecological procedures performed in the out-patient

setting • Presents a holistic approach to issues dealt with in this specialty • Takes a global perspective by addressing SRH issues in different cultures and resource-limited settings • Includes a companion website at www.ataglanceseries.com/sexualhealth featuring a selection of case scenarios and interactive flashcards for self-test This brand new title will provide an invaluable resource for medical and healthcare students, junior doctors, SRH trainees and busy clinicians working in other specialties. Clinical Investigations at a Glance The market-leading at a Glance series is popular among healthcare students and newly qualified practitioners, for its concise and simple approach and excellent illustrations. Each bite-sized chapter is covered in a double-page spread with clear, easy-to-follow diagrams, supported by succinct explanatory text. Covering a wide range of topics, books in the at a Glance series are ideal as introductory texts for teaching, learning and revision, and are useful throughout university and beyond. Everything you need to know about Clinical Investigations... at a Glance! Clinical Investigations at a Glance provides an up-to-date, evidence-based overview of diagnostic investigations, looking at their choice, importance and interpretation for commonly presenting symptoms and conditions. Designed to help develop the evidence-based use of investigations and interpret results properly, the book provides a unique perspective on many critical issues in medical testing, with the aim of improving diagnostic accuracy and reducing unnecessary tests or harm. Clinical Investigations at a Glance is structured in three parts: an overview of tests; common presentations (such as chest pain, nausea and vomiting, weight loss and anaemia); and conditions organized by body system, such as cardiovascular disease, respiratory disease and nephrology. Key features include: How to interpret investigations, using high quality illustrations to compare

'normal' and 'diseased' results Evidence-based, including references How to select the most appropriate investigation, the accuracy of tests and how to manage incidental findings For more information on the complete range of Wiley medical student and junior doctor publishing, please visit: www.wileymedicaleducation.com To receive automatic updates on Wiley books and journals, join our email list. Sign up today at www.wiley.com/email All content reviewed by students for students Wiley Medical Education books are designed exactly for their intended audience. All of our books are developed in collaboration with students. This means that our books are always published with you, the student, in mind. If you would like to be one of our student reviewers, go to www.reviewmedicalbooks.com to find out more. This title is also available as an e-book. For more details, please see www.wiley.com/buy/9781118759325 Statistics for the Health Sciences is a highly readable and accessible textbook on understanding statistics for the health sciences, both conceptually and via the SPSS programme. The authors give clear explanations of the concepts underlying statistical analyses and descriptions of how these analyses are applied in health science research without complex maths formulae. The textbook takes students from the basics of research design, hypothesis testing and descriptive statistical techniques through to more advanced inferential statistical tests that health science students are likely to encounter. The strengths and weaknesses of different techniques are critically appraised throughout, and the authors emphasise how they

may be used both in research and to inform best practice care in health settings. Exercises and tips throughout the book allow students to practice using SPSS. The companion website provides further practical experience of conducting statistical analyses. Features include: • multiple choice questions for both student and lecturer use • full Powerpoint slides for lecturers • practical exercises using SPSS • additional practical exercises using SAS and R This is an essential textbook for students studying beginner and intermediate level statistics across the health sciences.

This workbook is designed to teach the major fundamental concepts in Epidemiology, Biostatistics, and clinical research design alongside the textbook "Epidemiology and Biostatistics, 2nd Edition". It is written in concise and organized fashion with many examples to illustrate the concepts deriving from a collection of written materials created to teach Epidemiology and Biostatistics to medical students. The major differences from related titles include a "story" based approach toward teaching the material, relative brevity while maintaining focus on key concepts, and taking the perspective of first-time learners (avoiding and/or clearly defining jargon, using clear common-sense language). It features a variety of questions: long, short, and multiple choice questions. The workbook is made to provide students with the tools necessary to form their own

informed conclusions from the clinical research literature.

This new edition of Health at a Glance presents the most recent comparable data on the health status of populations and health system performance in OECD countries.

Health Care Professionalism at a Glance offers accessible coverage of an increasingly important aspect of medical and health professional education. This concise text includes how to identify and develop professional behaviours, how they are assessed, and how to challenge unprofessional behaviours. Health Care Professionalism at a Glance: • Provides a user-friendly and thought provoking overview of health care professionalism • Introduces the main topics, key definitions and explores aspects relevant to learners and novice professionals • Considers fundamental features of professionalism that students are expected to acquire as well as how they are taught, learned and assessed • Includes summary boxes that highlight important points, reflection points, clinical cases and suggested further reading • Includes references relevant to different countries' accrediting bodies This important new book will assist students in understanding the nature of professionalism, its assessment, and the implications for professional practice.

Medical Education at a Glance -- Contents -- Preface

-- Acknowledgements -- About the editors -- Contributors -- Part 1 Overview and broad concepts -- 1 What is medical education? -- 2 Stages of medical education -- 3 Evidence-guided education -- 4 Learning theories: paradigms and orientations -- 5 Learning theories and clinical practice -- 6 The curriculum -- 7 Planning and design -- 8 Equality, diversity and inclusivity -- 9 Principles of selection -- 10 Evaluation -- 11 Educational leadership -- 12 International perspectives -- Part 2 Medical education in practice -- 13 Large group teaching: planning and design -- 14 Large group teaching: delivery -- 15 Small group teaching: planning and design -- 16 Small group teaching: delivery -- 17 Clinical teaching: planning and design -- 18 Clinical teaching: delivery -- 19 Simulation: planning and design -- 20 Simulation: delivery -- 21 Patient involvement in education -- 22 Ward-based and bedside teaching -- 23 Learning and teaching in ambulatory settings -- 24 Teaching in the operating theatre -- 25 Interprofessional education -- 26 Reflective practice -- 27 Teaching clinical reasoning -- 28 Professionalism -- 29 Peer learning and teaching -- 30 Communication -- 31 Problem-based and case-based learning -- 32 Learner support -- 33 Supporting professional development activities -- 34 Mentoring and supervision -- 35 e-Learning -- 36 Social media -- Part 3 Assessment and feedback -- 37 Feedback -- 38 Principles of assessment -- 39

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 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 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 - 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

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 ""Medical Statistics at a Glance"" provides a concise and accessible introduction to and revision aid for this complex subject. Following the familiar easy-to-use at a Glance format, it leads the reader through a number of self-contained chapters which explain the underlying concepts of medical statistics and provide a guide to the most commonly used statistical procedures. T his new edition of ""Medical Statistics at a Glance"": contains a second colour throughout to enhance the visual appeal presents the key facts accompanied, where appropriate, by clear and informative tables and diagrams f.

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 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.

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

This textbook encapsulates the essential principles of modern clinical medical microbiology. It examines the diagnostic path, from the infecting agent through the clinical disease to diagnosis and patient management.

The high-level language of R is recognized as one of the most powerful and flexible statistical software environments, and is rapidly becoming the standard setting for quantitative analysis, statistics and graphics. R provides free access to unrivalled coverage and cutting-edge applications, enabling the user to apply numerous statistical methods ranging from simple regression to time series or multivariate analysis. Building on the success of the author's bestselling Statistics: An Introduction using R, The R Book is packed with worked examples, providing an all inclusive guide to R, ideal for novice and more accomplished users alike. The book assumes no background in statistics or computing and introduces the advantages of the R environment, detailing its applications in a wide range of disciplines. Provides the first comprehensive reference manual for the R language,

including practical guidance and full coverage of the graphics facilities. Introduces all the statistical models covered by R, beginning with simple classical tests such as chi-square and t-test. Proceeds to examine more advance methods, from regression and analysis of variance, through to generalized linear models, generalized mixed models, time series, spatial statistics, multivariate statistics and much more. The R Book is aimed at undergraduates, postgraduates and professionals in science, engineering and medicine. It is also ideal for students and professionals in statistics, economics, geography and the social sciences.

Health at a Glance 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.

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.

Standard histories of infectious disease celebrate brilliant minds such as Florence Nightingale, John Snow, and Robert Koch. In this unorthodox telling, Jim Downs focuses on a forgotten group of contributors: the conscript soldiers, colonial subjects, and enslaved people whose bodies were the experimental matter on which medical progress relied. Companion v. to: Medicine at a glance. 3rd ed. 2010.