

# Practical Statistics For Medical Research Altman Free Download

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practical statistics for medical research is a problem based text for medical researchers medical students and others in the medical arena who need to use statistics but have no specialized mathematics background the author draws on twenty years of experience as a consulting medical statistician to provide clear explanations to key statistical concepts with a firm emphasis on practical aspects of designing and analyzing medical research using real data and including dozens of interesting data sets this bestselling text gives special attention to the presentation and interpretation of results and the many real problems that arise in medical research

covering the essential stages in research from posing the right questions to the methods for collecting presenting and analysing data this comprehensive book emphasises the importance of evidence based practice qualitative and quantitative data are examined in detail to help the researcher to choose the most appropriate technique

this practical guide speaks to two audiences those who read and those who conduct research clinicians are medical detectives by training for each patient they assemble clinical clues to establish causes of signs and symptoms the task involves both clinical acumen and knowledge of medical research this book helps guide clinicians through this detective work by enabling them to make sense of research and to review medical literature critically it will also be invaluable to researchers who conduct clinical research particularly randomized controlled trials building on previously published peer reviewed articles from the lancet this handbook is essential for busy clinicians and active researchers interested in research methods written by leaders in the field of clinical research who have published extensively with authorship of hundreds of articles in medical journals the authorship includes one of the three authors of the consort guidelines for the reporting of randomized controlled trials the book presents the essential concepts to a wide array of topics including randomized control trials descriptive studies cohort studies case control studies bias and screening tests the book utilises a readable and humorous prose style lightening what can

be a difficult area for clinical readers derived from decades of teaching clinical research in seminar settings the book will empower clinicians to make sense of and critically appraise current medical research and will enable researchers to enrich the quality of their work for this second edition the authors have revised and updated the original 16 chapters and added six new chapters for busy clinicians and active researchers interested in research methods this book provides helpful tools to derive satisfaction indeed fun from clinical science

combining classic articles that have been key markers in recent debates with some new material this book addresses the problems involved in educational research and the issues surrounding its contribution to policymaking and practice the authors examine the diverse approaches within qualitative research and address some of the key areas which have attracted criticism they consider what role research should play and examine the case for randomised controlled trials and for action research the book is suitable for any undergraduate or postgraduate student concerned with educational research methodology as well as those focusing on educational policy and practice and students doing phds and edds

this book outlines the essential knowledge required for the management of critically ill and severely injured children it is designed to facilitate successful completion of the pediatric emergency medicine board examination of the american board of pediatrics abp each chapter follows a question answer format covering major areas in pediatrics such as cardiology dermatology nephrology surgery and trauma the book concludes with a comprehensive practice test allowing it to function as a well rounded reference and study guide prepare for the pediatric emergency medicine board examination is an essential resource for any clinician or trainee seeking a concise review of how to manage critically ill and severely injured children

this book presents cutting edge research on the new ethical challenges posed by biomedical big data technologies and practices biomedical big data refers to the analysis of aggregated very large datasets to improve medical knowledge and clinical care the book describes the ethical problems posed by aggregation of biomedical datasets and re use re purposing of data in areas such as privacy consent professionalism power relationships and ethical governance of big data platforms approaches and methods are discussed that can be used to address these problems to achieve the appropriate balance between the social goods of biomedical big data research and the safety and privacy of individuals seventeen original contributions analyse the ethical social and related policy implications of the analysis and curation of biomedical big data written by leading experts in the areas of biomedical research medical and technology ethics privacy governance and data protection the book advances our understanding of the ethical conundrums posed by biomedical big data and shows how practitioners and policy makers can address these issues going forward

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

the needs of clinicians predominate throughout the text but these needs overlap with those of researchers especially in chapters covering randomized controlled trials for readers to assess trials accurately they need to understand relevant guidelines on the conduct of trials that are emerging from methodological research in presenting these discussions to clinicians these chapters will help researchers who also do randomized trials and provide a methodological background that enhances the quality and quantity of their research productivity

here you ll find more than 500 entries from the world s leading experts in the field on the basic concepts methodologies and applications in clinical trials the range of topics includes basic statistical concepts design and analysis of clinical trials ethics regulatory issues and methodologies for clinical data management and analysis

the book focuses on the design of rigorous trials rather than their statistical underpinnings with chapters on pragmatic designs placebo designs preference approaches unequal allocation economics analytical approaches randomization methods it also includes a detailed description of randomization procedures and different trial designs

contributed articles with reference to india

the papers in this volume are the refereed application papers presented at ai 2003 the twenty third sgai international conference on innovative techniques and applications of artificial intelligence held in cambridge in december 2003 the papers present new and innovative developments in the field divided into sections on personalisation e commerce and resource management hazard prediction fault diagnosis and design medical and social services and image recognition knowledge bases and attribute selection this is the eleventh volume in the applications and innovations series the series serves as a key reference on the use of ai technology to enable organisations to solve complex problems and gain significant business benefits the technical stream papers are published as a companion volume under the title research and development in intelligent systems xx

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