

# Fundamentals Of Biostatistics Rosner Solutions Manual

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*HTML5 and CSS3, Illustrated Complete* - Sasha Vodnik  
2012-07-27

Equip your students with HTML5 and CSS3 skills using this practical, user-friendly book by the Illustrated Series. Designed to meet the needs of users from a broad range of experience levels, this book provides the nuts-and-bolts for beginners and allows more experienced users to brush up on the basics and quickly move on to more advanced topics. Each two-page spread focuses on a single skill, making information easy to follow and absorb, which is especially important with a complex topic such as HTML5. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Fundamentals of Biostatistics - Bernard A. Rosner 1995

This edition of Rosner's text offers a mastery of methods most often used in medical research, with specific reference to actual medical literature and actual medical research. The approach minimizes mathematical formulation, yet gives complete explanations of all important concepts. Every new concept is systematically developed through completely worked-out examples from current medical research problems. Computer output is used to illustrate concepts when appropriate.

Solutions Manual [to] Fundamentals of Biostatistics - Bernard A. Rosner 1986

Practical Healthcare Epidemiology - Ebbing Lautenbach  
2018-04-19

A clear, hands-on outline of best practices for infection prevention that directly improve patient outcomes across the healthcare continuum.

**Management** - Ricky W. Griffin 2016-01-14

MANAGEMENT, 12E, takes a functional, skills-based approach to the process of management with a focus on active planning, leading, organizing and controlling. Griffin carefully examines today's emerging management topics, including the impact of technology, importance of a green business environment, ethical challenges, and the need to adapt in changing times. This edition builds on proven success to help strengthen your management skills with a balance of classic theory and contemporary practice. Numerous new and popular cases and learning features highlight the challenges facing today's managers. Hundreds of well-researched contemporary examples, from Starbucks to The Hunger Games to professional baseball, vividly demonstrate the importance of strong management to any type of organization. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**PROBABILITY AND MEASURE, 3RD ED** - Patrick Billingsley  
2008-08-04

Now in its new third edition, Probability and Measure offers advanced students, scientists, and engineers an integrated introduction to measure theory and probability. Retaining the unique approach of the previous editions, this text interweaves material on probability and measure, so that probability problems generate an interest in measure theory and measure theory is then developed and applied to probability. Probability and Measure provides thorough coverage of probability, measure, integration, random variables and expected values, convergence of distributions, derivatives and conditional probability, and stochastic processes. The Third Edition features an improved treatment of Brownian motion and the replacement of queuing theory with ergodic theory. · Probability · Measure · Integration ·

Random Variables and Expected Values · Convergence of Distributions · Derivatives and Conditional Probability · Stochastic Processes

**Research Methodology for Health Professionals** - R. C. Goyal  
2010-06-15

**Public Health Foundations** - Elena Andresen 2010-11-01

Foundations of Public Health is a concise yet comprehensive text that offers an excellent and engaging introduction to the field of public health. This important resource is an up-to-date introduction to the core concepts and the practices of public health. The book introduces public health in concept and its systems; the foundational tools of data, epidemiology, biostatistics, and key study designs; populations' issues including infectious disease, health behavior, and environmental health plus analytical tools of qualitative research and risk assessment; and how health services are formulated and delivered.

*Pay for Performance in Health Care* - Jerry Cromwell 2011-02-28

This book provides a balanced assessment of pay for performance (P4P), addressing both its promise and its shortcomings. P4P programs have become widespread in health care in just the past decade and have generated a great deal of enthusiasm in health policy circles and among legislators, despite limited evidence of their effectiveness. On a positive note, this movement has developed and tested many new types of health care payment systems and has stimulated much new thinking about how to improve quality of care and reduce the costs of health care. The current interest in P4P echoes earlier enthusiasms in health policy—such as those for capitation and managed care in the 1990s—that failed to live up to their early promise. The fate of P4P is not yet certain, but we can learn a number of lessons from experiences with P4P to date, and ways to improve the designs of P4P programs are becoming apparent. We anticipate that a “second generation” of P4P programs can now be developed that can have greater impact and be better integrated with other interventions to improve the quality of care and reduce costs.

**Practical Nonparametric Statistics** - W. J. Conover 1980-09-17  
Probability theory; Statistical inference; Some tests based on the binomial distribution; Contingency tables; Some methods based on ranks; Statistics of the kolmogorov-smirnov type.

**Basic Epidemiology** - R. Bonita 2006

Basic epidemiology provides an introduction to the core principles and methods of epidemiology, with a special emphasis on public health applications in developing countries. This edition includes chapters on the nature and uses of epidemiology; the epidemiological approach to defining and measuring the occurrence of health-related states in populations; the strengths and limitations of epidemiological study designs; and the role of epidemiology in evaluating the effectiveness and efficiency of health care. The book has a particular emphasis on modifiable environmental factors and encourages the application of epidemiology to the prevention of disease and the promotion of health, including environmental and occupational health.

*Statistical and Methodological Aspects of Oral Health Research* - Emmanuel Lesaffre 2009-03-09

Statistical and Methodological Aspects of Oral Health Research provides oral health researchers with an overview of the methodological aspects that are important in planning, conducting and analyzing their research projects whilst also providing biostatisticians with an idea of the statistical problems that arise when tackling oral health research questions. This collection presents critical reflections on oral health research and

offers advice on practical aspects of setting up research whilst introducing the reader to basic as well as advanced statistical methodology. Features: An introduction to research methodology and an exposition of the state of the art. A variety of examples from oral health research. Contributions from well-known oral health researchers, epidemiologists and biostatisticians, all of whom have rich experience in this area. Recent developments in statistical methodology prompted by a variety of dental applications. Presenting both an introduction to research methodology and an exposition of the latest advances in oral health research, this book will appeal both beginning and experienced oral health researchers as well as biostatisticians and epidemiologists.

**Statistics in a Nutshell** - Sarah Boslaugh 2012-11-15

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

**Textbook of Clinical Trials** - David Machin 2007-01-11

Now published in its Second Edition, the Textbook of Clinical Trials offers detailed coverage of trial methodology in diverse areas of medicine in a single comprehensive volume. Praise for the First Edition: "... very useful as an introduction to clinical research, or for those planning specific studies within therapeutic or disease areas." BRITISH JOURNAL OF SURGERY, Vol. 92, No. 2, February 2005 The book's main concept is to describe the impact of clinical trials on the practice of medicine. It separates the information by therapeutic area because the impact of clinical trials, the problems encountered, and the numbers of trials in existence vary tremendously from specialty to specialty. The sections provide a background to the disease area and general clinical trial methodology before concentrating on particular problems experienced in that area. Specific examples are used throughout to address these issues. The Textbook of Clinical Trials, Second Edition: Highlights the various ways clinical trials have influenced the practice of medicine in many therapeutic areas Describes the challenges posed by those conducting clinical trials over a range of medical specialities and allied fields Additional therapeutic areas are included in this Second Edition to fill gaps in the First Edition as the number and complexity of trials increases in this rapidly developing area Newly covered or updated in the Second Edition: general surgery, plastic surgery, aesthetic surgery, palliative care, primary care, anaesthesia and pain, transfusion, wound healing, maternal and perinatal health, early termination, organ transplants, ophthalmology, epilepsy, infectious disease, neuro-oncology, adrenal, thyroid and urological cancers, as well as a chapter on the Cochrane network An invaluable resource for pharmaceutical companies, the Textbook of Clinical Trials, Second Edition appeals to those working in contract research organizations, medical departments and in the area of public health and health science alike.

Handbook of Parametric and Nonparametric Statistical Procedures - David J. Sheskin 2000-02-24

Called the "bible of applied statistics," the first edition of the bestselling Handbook of Parametric and Nonparametric Statistical Procedures was unsurpassed in its scope. The Second Edition goes even further - more tests, more examples, more than 250 pages of new material. Thorough - Up-To-Date With details of more than 100 statistical procedures, the Handbook offers unparalleled coverage of modern statistical methods. You get in-depth discussion of both practical and theoretical issues, many of which are not addressed in conventional statistics books. Practical - User-Friendly Accessible to novices but valuable to seasoned researchers, the Handbook emphasizes application over theory and presents the procedures in a standardized format that makes it easy to access the information you need. If you have to  $\emptyset$  Decide what method of analysis to use  $\emptyset$  Use a particular test for the first time  $\emptyset$  Distinguish acceptable from unacceptable research  $\emptyset$  Interpret the results of published studies the Handbook of Parametric and Nonparametric Statistical Procedures has the background, the answers, and the guidelines to get the job done.

**Biostatistics for Oral Healthcare** - Jay S. Kim 2008-06-02

Biostatistics for Oral Healthcare offers students, practitioners and instructors alike a comprehensive guide to mastering biostatistics and their application to oral healthcare. Drawing on situations and methods from dentistry and oral healthcare, this

book provides a thorough treatment of statistical concepts in order to promote in-depth and correct comprehension, supported throughout by technical discussion and a multitude of practical examples.

**Statistical Modeling for Biomedical Researchers** - William D. Dupont 2009-02-12

The second edition of this standard text guides biomedical researchers in the selection and use of advanced statistical methods and the presentation of results to clinical colleagues. It assumes no knowledge of mathematics beyond high school level and is accessible to anyone with an introductory background in statistics. The Stata statistical software package is again used to perform the analyses, this time employing the much improved version 10 with its intuitive point and click as well as character-based commands. Topics covered include linear, logistic and Poisson regression, survival analysis, fixed-effects analysis of variance, and repeated-measure analysis of variance. Restricted cubic splines are used to model non-linear relationships. Each method is introduced in its simplest form and then extended to cover more complex situations. An appendix will help the reader select the most appropriate statistical methods for their data. The text makes extensive use of real data sets available at <http://biostat.mc.vanderbilt.edu/dupontwd/wddtext/>.

The Analysis of Biological Data - Michael C. Whitlock 2019-11-22

The Analysis of Biological Data provides students with a practical foundation of statistics for biology students. Every chapter has several biological or medical examples of key concepts, and each example is prefaced by a substantial description of the biological setting. The emphasis on real and interesting examples carries into the problem sets where students have dozens of practice problems based on real data. The third edition features over 200 new examples and problems. These include new calculation practice problems, which guide the student step by step through the methods, and a greater number of examples and topics come from medical and human health research. Every chapter has been carefully edited for even greater clarity and ease of use. All the data sets, R scripts for all worked examples in the book, as well as many other teaching resources, are available to qualified instructors (see below).

**Fundamentals of Biostatistics** - Bernard A. Rosner 2011

FUNDAMENTALS OF BIOSTATISTICS, 7e, International Edition leads you through the methods, techniques, and computations necessary for success in the medical field. Every new concept is developed systematically through completely worked out examples from current medical research problems.

**Fundamentals of Biostatistics** - Bernard A. Rosner 1994-01-01

**Statistics Catalog 2005** - Neil Thomson 2004-09

Public Health Research Methods - Greg Guest 2014-03-03

Providing a comprehensive foundation for planning, executing, and monitoring public health research of all types, this book goes beyond traditional epidemiologic research designs to cover technology-based approaches emerging in the new public health landscape.

Essentials of Epidemiology in Public Health - Ann Aschengrau 2013-06-03  
5733-8

Fundamentals of Biostatistics - Bernard Rosner 2015-07-29

Bernard Rosner's FUNDAMENTALS OF BIOSTATISTICS is a practical introduction to the methods, techniques, and computation of statistics with human subjects. It prepares students for their future courses and careers by introducing the statistical methods most often used in medical literature. Rosner minimizes the amount of mathematical formulation (algebra-based) while still giving complete explanations of all the important concepts. As in previous editions, a major strength of this book is that every new concept is developed systematically through completely worked out examples from current medical research problems. Most methods are illustrated with specific instructions as to implementation using software either from SAS, Stata, R, Excel or Minitab. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**Biostatistics in Public Health Using STATA** - Erick L. Suárez

2016-03-24

Striking a balance between theory, application, and programming, *Biostatistics in Public Health Using STATA* is a user-friendly guide to applied statistical analysis in public health using STATA version 14. The book supplies public health practitioners and students with the opportunity to gain expertise in the application of statistics in epidemiology.

*Handbook of Clinical Obstetrics* - E. Albert Reece, MD, PhD, MBA  
2008-04-15

The second edition of this quick reference handbook for obstetricians and gynecologists and primary care physicians is designed to complement the parent textbook *Clinical Obstetrics: The Fetus & Mother*. The third edition of *Clinical Obstetrics: The Fetus & Mother* is unique in that it gives in-depth attention to the two patients – fetus and mother, with special coverage of each patient. *Clinical Obstetrics* thoroughly reviews the biology, pathology, and clinical management of disorders affecting both the fetus and the mother. *Clinical Obstetrics: The Fetus & Mother - Handbook* provides the practising physician with succinct, clinically focused information in an easily retrievable format that facilitates diagnosis, evaluation, and treatment. When you need fast answers to specific questions, you can turn with confidence to this streamlined, updated reference.

*Out of Print: Essentials of Biostatistics in Public Health* - Lisa M. Sullivan  
2011-03-24

With a presentation style that is clear and straightforward, the text uses examples that are real, relevant, and manageable in size so that students can focus on applications rather than become overwhelmed by computations. This text is just one offering in Jones and Bartlett's unique Essential Public Health Series.

Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.

*Vibrant and Healthy Kids* - National Academies of Sciences, Engineering, and Medicine  
2019-12-27

Children are the foundation of the United States, and supporting them is a key component of building a successful future. However, millions of children face health inequities that compromise their development, well-being, and long-term outcomes, despite substantial scientific evidence about how those adversities contribute to poor health. Advancements in neurobiological and socio-behavioral science show that critical biological systems develop in the prenatal through early childhood periods, and neurobiological development is extremely responsive to environmental influences during these stages. Consequently, social, economic, cultural, and environmental factors significantly affect a child's health ecosystem and ability to thrive throughout adulthood. *Vibrant and Healthy Kids: Aligning Science, Practice, and Policy to Advance Health Equity* builds upon and updates research from *Communities in Action: Pathways to Health Equity* (2017) and *From Neurons to Neighborhoods: The Science of Early Childhood Development* (2000). This report provides a brief overview of stressors that affect childhood development and health, a framework for applying current brain and development science to the real world, a roadmap for implementing tailored interventions, and recommendations about improving systems to better align with our understanding of the significant impact of health equity.

*An Introduction to Statistical Methods and Data Analysis* - Lyman Ott  
2010

Ott and Longnecker's *AN INTRODUCTION TO STATISTICAL METHODS AND DATA ANALYSIS*, 6th Edition, International Edition provides a broad overview of statistical methods for advanced undergraduate and graduate students from a variety of disciplines who have little or no prior course work in statistics. The authors teach students to solve problems encountered in research projects, to make decisions based on data in general settings both within and beyond the university setting, and to become critical readers of statistical analyses in research papers and in news reports. The first eleven chapters present material typically covered in an introductory statistics course, as well as case studies and examples that are often encountered in undergraduate capstone courses. The remaining chapters cover regression modeling and design of experiments.

*Fundamentals of Clinical Trials* - Lawrence M. Friedman  
1998  
This classic reference, now updated with the newest applications

and results, addresses the fundamentals of such trials based on sound scientific methodology, statistical principles, and years of accumulated experience by the three authors.

*The Foundations of Personality* - Abraham Myerson  
2005-05-01  
Man's interest in character is founded on an intensely practical need. In whatsoever relationship we deal with our fellows, we base our intercourse largely on our understanding of their characters. . . . Because the feelings are in part mirrored on the face and body, the experience of mankind has become crystallized in beliefs, opinions, and systems of character reading which are based on physiognomy, shape of head, lines of hand, gait, and even the method of dress and the handwriting. . . . A few of the methods used have become organized into specialties, such as the study of the head. ♦ Introduction, *The Foundations of Personality*  
**Biostatistics** - Wayne W. Daniel  
2018-11-13

The ability to analyze and interpret enormous amounts of data has become a prerequisite for success in allied healthcare and the health sciences. Now in its 11th edition, *Biostatistics: A Foundation for Analysis in the Health Sciences* continues to offer in-depth guidance toward biostatistical concepts, techniques, and practical applications in the modern healthcare setting. Comprehensive in scope yet detailed in coverage, this text helps students understand—and appropriately use—probability distributions, sampling distributions, estimation, hypothesis testing, variance analysis, regression, correlation analysis, and other statistical tools fundamental to the science and practice of medicine. Clearly-defined pedagogical tools help students stay up-to-date on new material, and an emphasis on statistical software allows faster, more accurate calculation while putting the focus on the underlying concepts rather than the math. Students develop highly relevant skills in inferential and differential statistical techniques, equipping them with the ability to organize, summarize, and interpret large bodies of data. Suitable for both graduate and advanced undergraduate coursework, this text retains the rigor required for use as a professional reference.

**Registries for Evaluating Patient Outcomes** - Agency for Healthcare Research and Quality/AHRQ  
2014-04-01

This User's Guide is intended to support the design, implementation, analysis, interpretation, and quality evaluation of registries created to increase understanding of patient outcomes. For the purposes of this guide, a patient registry is an organized system that uses observational study methods to collect uniform data (clinical and other) to evaluate specified outcomes for a population defined by a particular disease, condition, or exposure, and that serves one or more predetermined scientific, clinical, or policy purposes. A registry database is a file (or files) derived from the registry. Although registries can serve many purposes, this guide focuses on registries created for one or more of the following purposes: to describe the natural history of disease, to determine clinical effectiveness or cost-effectiveness of health care products and services, to measure or monitor safety and harm, and/or to measure quality of care. Registries are classified according to how their populations are defined. For example, product registries include patients who have been exposed to biopharmaceutical products or medical devices. Health services registries consist of patients who have had a common procedure, clinical encounter, or hospitalization. Disease or condition registries are defined by patients having the same diagnosis, such as cystic fibrosis or heart failure. The User's Guide was created by researchers affiliated with AHRQ's Effective Health Care Program, particularly those who participated in AHRQ's DEcIDE (Developing Evidence to Inform Decisions About Effectiveness) program. Chapters were subject to multiple internal and external independent reviews.

*Fundamentals of Biostatistics, Fifth Edition* - Bernard Rosner  
2000

**Medical Statistics from A to Z** - B. S. Everitt  
2006-12-21  
From 'Abcissa' to 'Zygoty determination' - this accessible introduction to the terminology of medical statistics describes more than 1500 terms all clearly explained, illustrated and defined in non-technical language, without any mathematical formulae! With the majority of terms revised and updated and the addition of more than 100 brand new definitions, this new edition

will enable medical students to quickly grasp the meaning of any of the statistical terms they encounter when reading the medical literature. Furthermore, annotated comments are used judiciously to warn the unwary of some of the common pitfalls that accompany some cherished biomedical statistical techniques. Wherever possible, the definitions are supplemented with a reference to further reading where the reader may gain a deeper insight, so whilst the definitions are easily digestible, they also provide a stepping stone to a more sophisticated comprehension. Statistical terminology can be quite bewildering for clinicians: this guide will be a lifesaver.

*SAS and R* - Ken Kleinman 2014-07-17

An Up-to-Date, All-in-One Resource for Using SAS and R to Perform Frequent Tasks The first edition of this popular guide provided a path between SAS and R using an easy-to-understand, dictionary-like approach. Retaining the same accessible format, *SAS and R: Data Management, Statistical Analysis, and Graphics, Second Edition* explains how to easily perform an analytical task in both SAS and R, without having to navigate through the extensive, idiosyncratic, and sometimes unwieldy software documentation. The book covers many common tasks, such as data management, descriptive summaries, inferential procedures, regression analysis, and graphics, along with more complex applications. New to the Second Edition This edition now covers RStudio, a powerful and easy-to-use interface for R. It incorporates a number of additional topics, including using application program interfaces (APIs), accessing data through database management systems, using reproducible analysis tools, and statistical analysis with Markov chain Monte Carlo (MCMC) methods and finite mixture models. It also includes extended examples of simulations and many new examples. Enables Easy Mobility between the Two Systems Through the extensive indexing and cross-referencing, users can directly find and implement the material they need. SAS users can look up tasks in the SAS index and then find the associated R code while R users can benefit from the R index in a similar manner. Numerous example analyses demonstrate the code in action and facilitate further exploration. The datasets and code are available for download on the book's website.

*Applications of Regression Models in Epidemiology* - Erick Suárez 2017-02-28

A one-stop guide for public health students and practitioners learning the applications of classical regression models in epidemiology This book is written for public health professionals and students interested in applying regression models in the field of epidemiology. The academic material is usually covered in public health courses including (i) Applied Regression Analysis, (ii) Advanced Epidemiology, and (iii) Statistical Computing. The book is composed of 13 chapters, including an introduction chapter that covers basic concepts of statistics and probability. Among the topics covered are linear regression model, polynomial regression model, weighted least squares, methods for selecting the best regression equation, and generalized linear models and their applications to different epidemiological study designs. An example is provided in each chapter that applies the theoretical aspects presented in that chapter. In addition, exercises are included and the final chapter is devoted to the solutions of these academic exercises with answers in all of the major statistical software packages, including STATA, SAS, SPSS, and R. It is assumed that readers of this book have a basic course in biostatistics, epidemiology, and introductory calculus. The book will be of interest to anyone looking to understand the statistical fundamentals to support quantitative research in public health. In

addition, this book: • Is based on the authors' course notes from 20 years teaching regression modeling in public health courses • Provides exercises at the end of each chapter • Contains a solutions chapter with answers in STATA, SAS, SPSS, and R • Provides real-world public health applications of the theoretical aspects contained in the chapters Applications of Regression Models in Epidemiology is a reference for graduate students in public health and public health practitioners. ERICK SUÁREZ is a Professor of the Department of Biostatistics and Epidemiology at the University of Puerto Rico School of Public Health. He received a Ph.D. degree in Medical Statistics from the London School of Hygiene and Tropical Medicine. He has 29 years of experience teaching biostatistics. CYNTHIA M. PÉREZ is a Professor of the Department of Biostatistics and Epidemiology at the University of Puerto Rico School of Public Health. She received an M.S. degree in Statistics and a Ph.D. degree in Epidemiology from Purdue University. She has 22 years of experience teaching epidemiology and biostatistics. ROBERTO RIVERA is an Associate Professor at the College of Business at the University of Puerto Rico at Mayaguez. He received a Ph.D. degree in Statistics from the University of California in Santa Barbara. He has more than five years of experience teaching statistics courses at the undergraduate and graduate levels. MELISSA N. MARTÍNEZ is an Account Supervisor at Havas Media International. She holds an MPH in Biostatistics from the University of Puerto Rico and an MSBA from the National University in San Diego, California. For the past seven years, she has been performing analyses for the biomedical research and media advertising fields.

*Business Statistics for Management and Economics* - Wayne W. Daniel 1992

**Cannabis Crashes: Myths and Truths** - Scott Macdonald 2021-03-23

This book is intended for students, policy makers, lawyers and experts in the field of substance use and crashes. I describe in simple terms epidemiological issues important for understanding whether conclusions from studies are justifiable and discover numerous myths and truths about cannabis and driving.

*Textbook of Clinical Trials in Oncology* - Susan Halabi 2019-04-24

There is an increasing need for educational resources for statisticians and investigators. Reflecting this, the goal of this book is to provide readers with a sound foundation in the statistical design, conduct, and analysis of clinical trials. Furthermore, it is intended as a guide for statisticians and investigators with minimal clinical trial experience who are interested in pursuing a career in this area. The advancement in genetic and molecular technologies have revolutionized drug development. In recent years, clinical trials have become increasingly sophisticated as they incorporate genomic studies, and efficient designs (such as basket and umbrella trials) have permeated the field. This book offers the requisite background and expert guidance for the innovative statistical design and analysis of clinical trials in oncology. Key Features: Cutting-edge topics with appropriate technical background Built around case studies which give the work a "hands-on" approach Real examples of flaws in previously reported clinical trials and how to avoid them Access to statistical code on the book's website Chapters written by internationally recognized statisticians from academia and pharmaceutical companies Carefully edited to ensure consistency in style, level, and approach Topics covered include innovating phase I and II designs, trials in immune-oncology and rare diseases, among many others