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setup and fund the laboratory and identifying appropriate scientific mentors and lab personnel. It also describes the application of basic and advanced research techniques, including animal models, flow cytometry, gene editing, tissue engineering, and microbiome analysis. Success in Academic Surgery: Basic Science aims to give guidance on the application of basic and advanced techniques in surgical research. This book is relevant to senior residents and fellows approaching their first academic appointment, as well as more senior investigators interested in expanding their research horizons.

Nueva edición de "Bioestadística amigable", referente en la asignatura y fuertemente introducido en el mercado tras una trayectoria de casi 15 años que aborda el estudio de los procedimientos bioestadísticos utilizados en un entorno médico y en general en ciencias de la salud. Esta edición ve aumentada el número de autores colaboradores, si bien se mantiene el mismo grupo de editores, representando a la Universidad de Navarra así como a la Universidad de las Palmas de Gran Canaria. Entre los colaboradores, figuran profesionales de distintas universidades tanto españolas como latinoamericanas. Cabe destacar una vez más, su gran orientación práctica, lo que la hace claramente única en obras de esta temática. Su gran valor añadido es que cada procedimiento está explicado con un ejemplo numérico resuelto "a mano" al que se aplican varios paquetes estadísticos facilitando las instrucciones que deben darse al ordenador en cada caso, así como las pautas para la interpretación de los resultados. Esta nueva edición cuenta con la incorporación de 6 nuevos capítulos, por lo que la obra cuenta con un total de 25 capítulos. No obstante, para no aumentar la extensión de la obra, se ha decidido que la parte más básica (caps 1 a 16) se recogerán en la parte impresa y los que pueden considerarse de carácter más profesional

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(caps 17-25) estarán solamente disponibles online a través de la plataforma SC.es Así, también se segmenta el mercado potencial del libro. El libro impreso está destinado a los estudiantes de 1er o 2º curso de Medicina que necesitan conocer y entender las diferentes pruebas estadísticas aplicadas, haciendo un especial esfuerzo en mantener la información "core" de la asignatura. Los capítulos disponibles únicamente online tienen un perfil más dirigido al estudiante de últimos cursos o al investigador. A nivel conceptual, la novedad más importante es la introducción del lenguaje R y de la equivalencia entre dicho lenguaje y STATA, aunque en la parte correspondiente al estudiante se mantendrán los cálculos con Excel. En SC.es se alojarán también problemas resueltos y casos prácticos para facilitar el aprendizaje.

Clinical Trials: Study Design, Endpoints and Biomarkers, Drug Safety, and FDA and ICH Guidelines is a practical guidebook for those engaged in clinical trial design. This book details the organizations and content of clinical trials, including trial design, safety, endpoints, subgroups, HRQoL, consent forms and package inserts. It provides extensive information on both US and international regulatory guidelines and features concrete examples of study design from the medical literature. This book is intended to orient those new to clinical trial design and provide them with a better understanding of how to conduct clinical trials. It will also act as a guide for the more experienced by detailing endpoint selection and illustrating how to avoid unnecessary pitfalls. This book is a straightforward and valuable reference for all those involved in clinical trial design. Provides extensive coverage of the "study schema" and related features of study design Offers a "hands-on" reference that contains

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an overview of the process, but more importantly details a step-by-step account of clinical trial design Features examples from the medical literature to highlight how investigators choose the most suitable endpoint(s) for clinical trial and includes graphs from real clinical trials to help explain each concept in study design Integrates clinical trial design, pharmacology, biochemistry, cell biology and legal aspects to provide readers with a comprehensive look at all aspects of clinical trials Includes chapters on core material and important ancillary topics, such as package inserts, consent forms, and safety reporting forms used in the United States, England and Europe For complimentary access to our sample chapter (chapter 24), please copy and paste this link into your browser: <http://tinyurl.com/awwutvn>
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of most other introductory texts but used frequently in biomedical publications, including survival curves. multiple comparisons, sensitivity and specificity of lab tests, Bayesian thinking, lod scores, and logistic, proportional hazards and nonlinear regression. By emphasizing interpretation rather than calculation, this text provides a clear and virtually painless introduction to statistical principles for those students who will need to use statistics constantly in their work. In addition, its practical approach enables readers to understand the statistical results published in biological and medical journals.

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This textbook consists of ten chapters, and is a must-read to all medical and health professionals, who already have basic knowledge of how to analyze their clinical data, but still, wonder, after having done so, why procedures were performed the way they were. The book is also a must-read to those who tend to submerge in the flood of novel statistical methodologies, as communicated in current clinical reports, and scientific meetings. In the past few years, the HOW-SO of current statistical tests has been made much more simple than it was in the past, thanks to the abundance of statistical software programs of an excellent quality. However, the WHY-SO may have been somewhat under-emphasized. For example, why do statistical tests constantly use unfamiliar terms, like probability distributions, hypothesis testing, randomness, normality, scientific rigor, and why are Gaussian curves so hard, and do they make non-

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mathematicians getting lost all the time? The book will cover the WHY-SOs.

Principles of Virology, the leading virology textbook in use, is an extremely valuable and highly informative presentation of virology at the interface of modern cell biology and immunology. This text utilizes a uniquely rational approach by highlighting common principles and processes across all viruses. Using a set of representative viruses to illustrate the breadth of viral complexity, students are able to understand viral reproduction and pathogenesis and are equipped with the necessary tools for future encounters with new or understudied viruses. This fifth edition was updated to keep pace with the ever-changing field of virology. In addition to the beloved full-color illustrations, video interviews with leading scientists, movies, and links to exciting blogposts on relevant topics, this edition includes study questions and active learning puzzles in each chapter, as well as short descriptions regarding the key messages of references of special interest. Volume I: Molecular Biology focuses on the molecular processes of viral reproduction, from entry through release. Volume II: Pathogenesis and Control addresses the interplay between viruses and their host organisms, on both the micro- and macroscale, including chapters on public health, the immune response, vaccines and other antiviral strategies, viral evolution, and a brand new chapter on the therapeutic uses of viruses. These two volumes can be used for separate courses or together in a single course. Each includes a unique appendix, glossary, and links to internet resources. Principles of

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Virology, Fifth Edition, is ideal for teaching the strategies by which all viruses reproduce, spread within a host, and are maintained within populations. This edition carefully reflects the results of extensive vetting and feedback received from course instructors and students, making this renowned textbook even more appropriate for undergraduate and graduate courses in virology, microbiology, and infectious diseases.

O Tratado de psiquiatria da Associação Brasileira de Psiquiatria reúne destacados autores dos principais centros de pesquisa e formação de todo o País para trazer aos leitores em língua portuguesa os conhecimentos mais atuais na área. Sob a organização dos doutores Antonio Egídio Nardi, Antônio Geraldo da Silva e João Quevedo, este livro, disponível nos formatos impresso e e-book, é composto por 46 capítulos que abordam desde os fundamentos da área – abrangendo temas como história da psiquiatria, ética, a relação entre religiosidade, espiritualidade e transtornos mentais, epidemiologia, estatística, sistema de saúde, estigma e psicofobia, o desenvolvimento normal, aspectos genéticos e neuroanatomia –; passando pelos métodos diagnósticos – classificações, entrevista e exames físico e mental, psicopatologia, instrumentos de avaliação em psiquiatria, avaliação neuropsicológica, exames de laboratório e estudos de imagem –; os transtornos psiquiátricos – espectro da esquizofrenia e outros transtornos psicóticos, transtorno bipolar, transtornos depressivos, suicídio, transtornos de ansiedade, transtornos obsessivo-compulsivos e relacionados, transtornos relacionados a trauma e a

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estresse, transtornos alimentares, transtornos por uso de substâncias, disfunções sexuais, transtornos do sono e da vigília, transtornos do controle de impulsos e da conduta, transtornos neurocognitivos e demências, transtorno de déficit de atenção/hiperatividade, entre outros –; os tratamentos disponíveis – psicofarmacologia, psicoterapia e estimulação magnética invasiva e não invasiva –; e, por fim, cuidados com populações especiais – transtornos psiquiátricos em mulheres, psiquiatria da infância e adolescência, psicogeriatría e psiquiatria forense. Inclui também um hotsite exclusivo, com casos clínicos e questões para testar os conhecimentos adquiridos.

La obra Manual de Salud Pública para Ciencias de la Salud pretende ofrecer a los alumnos de los distintos grados de Ciencias de la Salud el contenido necesario para cubrir la asignatura de Salud Pública. El objetivo de los autores es proporcionar a los alumnos los contenidos necesarios que cubran la asignatura de Salud Pública, todo ello de una manera sencilla y resumida e incorporando los últimos datos que han ido apareciendo sobre las distintas temáticas. La idea de poner en marcha este libro parte de un grupo de profesores de la Universidad de Navarra, los cuales cuentan también con la colaboración de profesores de otras universidades españolas. La obra incluye el siguiente material complementario on line: batería de preguntas de autoevaluación, galería de imágenes, viñetas clínicas, videoteca, diapositivas docentes de ayuda al estudio y lecturas recomendadas. De la misma manera, participan en la obra autores de Latinoamérica que introducen una

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panorámica de las principales cuestiones de salud pública en Latinoamérica. La obra Manual de Salud Pública para Ciencias de la Salud pretende ofrecer a los alumnos de los distintos grados de Ciencias de la Salud el contenido necesario para cubrir la asignatura de Salud Pública. El objetivo de los autores es proporcionar a los alumnos los contenidos necesarios que cubran la asignatura de Salud Pública, todo ello de una manera sencilla y resumida e incorporando los últimos datos que han ido apareciendo sobre las distintas temáticas. La idea de poner en marcha este libro parte de un grupo de profesores de la Universidad de Navarra, los cuales cuentan también con la colaboración de profesores de otras universidades españolas. La obra incluye el siguiente material complementario on line: batería de preguntas de autoevaluación, galería de imágenes, viñetas clínicas, videoteca, diapositivas docentes de ayuda al estudio y lecturas recomendadas. De la misma manera, participan en la obra autores de Latinoamérica que introducen una panorámica de las principales cuestiones de salud pública en Latinoamérica.

The book will be useful for undergraduate students as a supplementary/reference text in the field of molecular biotechnology.

Essential for nursing research courses, *Nursing Research: Reading, Using, and Creating Evidence, Second Edition* demonstrates how to use research as the basis for successful nursing practice. Fully updated and revised, this reader-friendly new edition provides students with the fundamentals of appraising and utilizing research. Organized around the different types

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of research in evidence-based practice, it addresses contemporary concerns especially ethical and legal issues. Additionally, it explores both quantitative and qualitative traditions to encourage students to read, use, and participate in the research process. Key Features: Learning Objectives Key Terms Voices from the Field Gray Matter key concepts noted in the margins for quick review Critical Appraisal Exercises directs readers towards a full length research article Checklists to evaluate specific research activities and issues Summary of key concepts Practical advice for finding research, reading it critically, and strengthening research skills Fully Interactive Online Resources: For students: Companion Website featuring Interactive Glossary, Flashcards, Crossword Puzzles, Chapter Objectives, Student Quiz, Student Workbook, Documenting EBP Aspects, Appraisal Exercises, and Podcasts For instructors: An Instructor s Manual featuring PowerPoints, a TestBank, Classroom Discussion Questions, and Classroom Exercises"

Are you considering PhD study but don't know where to begin? Perhaps you've already started and your confidence and motivation have fallen through the floor? In this practical and highly accessible guide, Allan M. Grant provides the blueprint for navigating the often turbulent waters on the journey towards PhD completion and success. In this book, you will learn: The fundamental reasons to study for a PhD and the nature of the present landscape. How to obtain funding for your chosen degree. How to prepare effectively before your studies commence, such as setting up your domestic

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and study environment, and much more. The best things to do when you begin your studies. Strategies for managing relationships with your supervisory team, other students, and your social circle. How to conduct the data collection process, from seeking ethical approval to participant recruitment and beyond. The optimal ways to look after your health and wellbeing during your studies. How to prepare appropriately for the viva voce examination. Methods to maximise your employability and job prospects once you've submitted your thesis. ?????:????

Thoroughly revised and updated, the third edition of *Intuitive Biostatistics: A Nonmathematical Guide to Statistical Thinking* retains and refines the core perspectives of the previous editions: a focus on how to interpret statistical results rather than on how to analyze data, minimal use of equations, and a detailed review of assumptions and common mistakes. With its engaging and conversational tone, this unique book provides a clear introduction to statistics for undergraduate and graduate students in a wide range of fields and also serves as a statistics refresher for working scientists. It is especially useful for those students in health-science related fields who have no background in biostatistics.

NEW TO THIS EDITION * A new chapter on the complexities of probability * A new chapter on meta-analysis * A completely rewritten chapter on statistical traps to avoid * More sections on common mistakes in data analysis * More Q&A sections * New topics and examples * New learning tools (each chapter ends with a summary and a list of statistical terms)

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The fifth edition includes• for the first time, stunning color photographs throughout• chapters rearranged and grouped to best reflect phylogenetic relationships, with updated numbers of genera and species for each family• updated mammalian structural and functional adaptations, as well as ordinal fossil histories• recent advances in mammalian phylogeny, biogeography, social behavior, and ecology, with 12 new or revised cladograms reflecting current research findings• new breakout boxes on novel or unique aspects of mammals; new work on female post-copulatory mate choice, cooperative behaviors, group defense, and the role of the vomeronasal system• discussions of the current implications of climate change and other anthropogenic factors for mammalsMaintaining the accessible, readable style for which Feldhamer and his coauthors are well known, this new edition of Mammalogy is the authoritative textbook on this amazingly diverse class of vertebrates.

The SPSS Survival Manual throws a lifeline to students and researchers grappling with this powerful data analysis software. In her bestselling guide, Julie Pallant takes you through the entire research process, helping you choose the right data analysis technique for your project. This edition has been updated to include up to SPSS version 26. From the formulation of research questions, to the design of the study and analysis of data, to reporting the results, Julie discusses basic and advanced statistical techniques. She outlines each technique clearly, with step-by-step procedures for performing the analysis, a detailed guide to interpreting

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data output and an example of how to present the results in a report. For both beginners and experienced users in Psychology, Sociology, Health Sciences, Medicine, Education, Business and related disciplines, the SPSS Survival Manual is an essential text. It is illustrated throughout with screen grabs, examples of output and tips, and is also further supported by a website with sample data and guidelines on report writing. This seventh edition is fully revised and updated to accommodate changes to IBM SPSS procedures. This book tackles important problems of anomaly detection and health status analysis in complex core router systems, integral to today's Internet Protocol (IP) networks. The techniques described provide the first comprehensive set of data-driven resiliency solutions for core router systems. The authors present an anomaly detector for core router systems using correlation-based time series analysis, which monitors a set of features of a complex core router system. They also describe the design of a changepoint-based anomaly detector such that anomaly detection can be adaptive to changes in the statistical features of data streams. The presentation also includes a symbol-based health status analyzer that first encodes, as a symbol sequence, the long-term complex time series collected from a number of core routers, and then utilizes the symbol sequence for health analysis. Finally, the authors describe an iterative, self-learning procedure for assessing the health status. Enables Accurate Anomaly Detection Using Correlation-Based Time-Series Analysis; Presents the design of a changepoint-based anomaly detector; Includes

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Hierarchical Symbol-based Health-Status Analysis;
Describes an iterative, self-learning procedure for
assessing the health status.

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While invaluable for their uses in medicine as a drug delivery system or as an imaging agent in cancer detection, nanoparticles do present possible medical and environmental dangers. Due to the thousands of commercial and medical applications for engineered nanoparticles currently available or under development, guidelines for evaluating and controlling exposure to engineered nanoparticles are essential. Designed for EHS professionals working with nanoparticles, this important reference outlines the acceptable levels of exposure to nanoparticles and describes methods for evaluating and controlling worker exposure to engineered nanoparticles. With case studies on various nanoparticle exposures, the book sheds light on the toxicity of such nanoparticles as carbon nanotubes, fullerenes, TiO₂, and metal nanoparticles as well as routes of exposure, such as skin and the respiratory system.

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Never HIGHLIGHT a Book Again Virtually all testable terms, concepts, persons, places, and events are included. Cram101 Textbook Outlines gives all of the outlines, highlights, notes for your textbook with optional online practice tests. Only Cram101 Outlines are Textbook Specific. Cram101 is NOT the Textbook.

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Accompanys: 9780521673761

"What are the most effective methods to code and analyze data for a particular study? This thoughtful and engaging book reviews the selection criteria for coding and analyzing any set of data--whether qualitative, quantitative, mixed, or visual. The authors systematically explain when to use verbal, numerical, graphic, or combined codes, and when to use qualitative, quantitative, graphic, or mixed-methods modes of analysis. Chapters on each topic are organized so that researchers can read them sequentially or can easily "flip and find" answers to specific questions.

Nontechnical discussions of cutting-edge approaches--illustrated with real-world examples--emphasize how to choose (rather than how to implement) the various analyses. The book shows how using the right analysis methods leads to more justifiable conclusions and more persuasive presentations of research results. Useful features for teaching or self-study: *Chapter-opening preview boxes that highlight useful topics addressed. *End-of-chapter summary tables recapping the 'dos and don'ts' and advantages and disadvantages of each analytic technique.

*Annotated suggestions for further reading and technical resources on each topic. Subject Areas/Keywords: analyses, coding, combined methods, data analysis, data collection, dissertation, graphical, interpretation, mixed methods, qualitative, quantitative, research analysis, research designs, research methods, social sciences, thesis, visual Audience: Researchers, instructors, and graduate students in a range of

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disciplines, including psychology, education, social work, sociology, health, and management; administrators and managers who need to make data-driven decisions"--
Intuitive Biostatistics A Nonmathematical Guide to Statistical Thinking Oxford University Press, USA

Neurocritical Care Board Review: Questions and Answers provides clinicians with a thorough review of the complex subspecialty of Neurocritical Care, using a question and answer (Q and A) format. the Q and A format is easily readable, high yield, and serves as good practice for test takers or anyone looking to improve or reinforce essential knowledge. the book is organized according to the UCNS Neurocritical Care core curriculum outline and covers the key topics represented on the boards. A total of 647 questions address both neuroscience critical care (general neurology, neurotrauma, neurovascular and

Presenting both the need for – and difficulty of – introducing effective cultural resource management (CRM) in the region, ‘Rethinking Cultural Resource Management’ in Southeast Asia explores the challenges facing efforts to protect Southeast Asia’s indigenous cultures and archaeological sites from the ravages of tourism and economic development. Recognising the inapplicability of Euro-American solutions to this part of the world, the essays of this volume investigate their own set of region-specific CRM strategies, and acknowledge both the necessity and possibility of mediating between the conflicting interests of short-term profitability and long-term sustainability.

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