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SAUSAGE MANUFACTURE

PRINCIPLES AND PRACTICE

Woodhead Publishing Sausage manufacture: principles and practice provides a concise and authoritative guide to manufacturing high-quality products for the consumer. It begins by considering issues of definition and the market trends which determine how consumers define quality. The book then discusses product formulation, describing the essential recipe information for the main types of sausage. The chapter also includes the calculations required for mandatory product labelling in the EU. Chapter 4 reviews the key stages in production from raw material procurement through chopping, filling and cooking to storage and distribution. Building on this foundation, the following chapter outlines good practice in safety and quality assurance. The final chapter reviews recent product development and novel products such as organic, vegetarian and low fat sausages which have emerged to meet changing consumer

requirements. The book concludes with a series of useful appendices listing permitted additives, sample quality assurance and HACCP systems documentation. Written by an experienced industry professional, *Sausage manufacture: principles and practice* is a standard guide to good practice for manufacturers. Provides a concise and authoritative guide to manufacturing high-quality sausage products for the consumer. Discusses issues of definition, market trends, product formulation, and the calculations required for mandatory product labelling in the EU. Reviews key stages in sausage production and outlines good practice in safety and quality assurance.

AMERICAN PRISONS

THEIR PAST, PRESENT AND FUTURE

Taylor & Francis Imprisonment has become big business in the United States. Using a "history of ideas" approach, this book examines the cultural underpinnings of prisons in the United States and explores how shared ideas about imprisonment evolve into a complex, loosely connected nationwide system of prisons that keeps enough persons to populate a small nation behind bars, razor wire and electrified fences. Tracing both the history of the prison and the very idea of imprisonment in the United States, this book provides students with a critical overview of American prisons and considers their past, their present and directions for the future. Topics covered include: • a history of imprisonment in America from 1600 to the present day; • the twentieth-century prison building binge; • the relationship between U.S. prisons and the private sector; • a critical account of capital punishment; • less-visible prison minorities, including women, children and the elderly; and • sex, violence and disease in prison. This comprehensive book is essential reading for advanced courses on corrections and correctional management and offers a compelling and provocative analysis of the realities of American penal culture from past to present. It is perfect reading for students of criminal justice, corrections, penology and the sociology of punishment.

ROUTLEDGE HANDBOOK ON AMERICAN PRISONS

Routledge The Routledge Handbook on American Prisons is an authoritative volume that provides an overview of the state of U.S. prisons and synthesizes the research on the many facets of the prison system. The United States is exceptional in its use of incarceration as punishment. It not only has the largest prison population in the world, but also the highest per-capita incarceration rate. Research and debate about mass incarceration continues to grow, with mounting bipartisan agreement on the need for criminal justice reform. Divided into four sections (Prisons: Security, Operations and Administration; Types of Offenders and Populations; Living and Dying in Prison; and Release, Reentry, and Reform), the volume explores the key issues fundamental to understanding the U.S. prison system, including the characteristics of facilities; inmate risk assessment and classification, prison administration and

employment, for-profit prisons, special populations, overcrowding, prison health care, prison violence, the special circumstances of death row prisoners, collateral consequences of incarceration, prison programming, and parole. The final section examines reform efforts and ideas, and offers suggestions for future research and attention. With contributions from leading correctional scholars, this book is a valuable resource for scholars with an interest in U.S. prisons and the issues surrounding them. It is structured to serve scholars and graduate students studying corrections, penology, institutional corrections, and other related topics.

CRIMINOLOGY IN BRIEF

UNDERSTANDING CRIME AND CRIMINAL JUSTICE

Routledge This book offers a short and accessible introduction to criminology. Written in a clear and direct style, criminological theories are made more accessible for undergraduates, and the workings of the criminal justice system are explained. Students will learn not only how the criminal justice system works, but also how it does not work. Beyond introducing students to the basics, the book provides a persuasive argument that the criminal justice system we have in the United States comes nowhere close to our ideals for justice, doing little good in terms of crime control, while doing great harm to minorities and the poor. Engaging and far-ranging, this text offers a condensed approach to the key themes and debates surrounding crime and justice, and covers definitions and measurements of crime, criminological theories, crime typologies, and contemporary issues in the criminal justice system. It includes chapters on: Criminological Methods and Data Biological, Psychological, and Classical Theories of Crime Sociological Theories of Crime Patterns of Crime The Police The Courts Corrections and the American Prison System Written by an experienced textbook author, this book offers a critical approach to the subjects discussed and draws on topical examples such as Black Lives Matter, the militarization of the police, plea bargaining and the War on Drugs. It is essential reading for Criminology courses within a Sociology Major and will also be of interest to Criminal Justice majors, law students, policymakers, and informed citizens.

EDUCATIONAL PERFORMANCE OF THE POOR

LESSONS FROM RURAL NORTHEAST BRAZIL

Oxford University Press Education policy of developing nations is often viewed as a choice between equal access for all students and quality of schools. This work proposes that such a dichotomy may be artificial. The research shows that improving the quality of education could lead to efficiency gains, sometimes large enough to offset the costs of such innovations. Using data collected over seven years in rural northeast Brazil, this quantitative assessment of educational performance and school promotion in primary

schools uniquely addresses important policy concerns facing developing countries.

THE FEDERAL PRISON POPULATION BUILDUP

OVERVIEW, POLICY CHANGES, ISSUES, AND OPTIONS

Createspace Independent Pub Since the early 1980s, there has been a historically unprecedented increase in the federal prison population. Some of the growth is attributable to changes in federal criminal justice policy during the previous three decades. An issue before Congress is whether policymakers consider the rate of growth in the federal prison population sustainable, and if not, what changes could be made to federal criminal justice policy to reduce the prison population while maintaining public safety. This report explores the issues related to the growing federal prison population. The number of inmates under the Bureau of Prisons' (BOP) jurisdiction has increased from approximately 25,000 in FY1980 to nearly 219,000 in FY2012. Since FY1980, the federal prison population has increased, on average, by approximately 6,100 inmates each year. Data show that a growing proportion of inmates are being incarcerated for immigration- and weapons-related offenses, but the largest portion of newly admitted inmates are being incarcerated for drug offenses. Data also show that approximately 7 in 10 inmates are sentenced for five years or less. Changes in federal sentencing and correctional policy since the early 1980s have contributed to the rapid growth in the federal prison population. These changes include increasing the number of federal offenses subject to mandatory minimum sentences; changes to the federal criminal code that have made more crimes federal offenses; and eliminating parole. There are several issues related to the growing federal prison population that might be of interest to policymakers: The increasing number of federal inmates, combined with the rising per capita cost of incarceration, has made it increasingly more expensive to operate and maintain the federal prison system. The per capita cost of incarceration for all inmates increased from \$19,571 in FY2000 to \$26,094 in FY2011. During this same period of time, appropriations for the BOP increased from \$3.668 billion to \$6.381 billion; The federal prison system is increasingly overcrowded. Overall, the federal prison system was 39% over its rated capacity in FY2011, but high- and medium-security male facilities were operating at 51% and 55%, respectively, over rated capacity. At issue is whether overcrowding might lead to more inmate misconduct. The results of research on this topic have been mixed; The inmate-to-staff ratio has increased from 4.1 inmates per staff member in FY2000 to 4.9 inmates per staff member in FY2011. Likewise, the inmate to correctional officer ratio increased from 9.8 inmates per correctional officer in FY2000 to 10.2 inmates per correctional officer in FY2011, but this is down from a high of 10.9 inmates per correctional officer in FY2005; The growing prison population is taking a toll on the infrastructure of the federal prison system. The BOP reports that it has a backlog of 154 modernization and repair projects with an approximate cost of \$349 million for FY2012. Past appropriations left the BOP in a position where it could expand bedspace to manage overcrowding but not

reduce it. However, reductions in funding since FY2010 mean that the BOP will lack the funding to begin new prison construction in the near future. At the same time, it has become more expensive to expand the BOP's capacity. Should Congress choose to consider policy options to address the issues resulting from the growth in the federal prison population, policymakers could choose options such as increasing the capacity of the federal prison system by building more prisons, investing in rehabilitative programming, or placing more inmates in private prisons. Policymakers might also consider whether they want to revise some of the policy changes that have been made over the past three decades that have contributed to the steadily increasing number of offenders being incarcerated.

MILITARY PSYCHOLOGY, THIRD EDITION

CLINICAL AND OPERATIONAL APPLICATIONS

Guilford Publications With more than 60% new material reflecting advances in evidence-based treatments and the evolving roles of military mental health providers, the authoritative resource in the field is now in a significantly revised third edition. The volume provides research-based roadmaps for prevention and intervention with service members and veterans in a wide range of settings. Up-to-date information about military procedures and guidelines is included throughout. Grounded in current knowledge about stress and resilience, chapters describe best practices in treating such challenges as depression, anxiety disorders, posttraumatic stress disorder, and substance use disorders. Also addressed are operational functions of psychologists in personnel assessment and selection, counterintelligence, and other areas. New to This Edition *Chapters on new topics: the spectrum of military stress reactions, concussion management, military sexual assault, embedded/expeditionary psychological practice, and security clearance evaluations. *Fully rewritten chapters on evidence-based treatments, behavioral health in primary care, and disaster mental health. *Incorporates major shifts in how and where military mental health services are delivered.

KRAUSE AND MAHAN'S FOOD AND THE NUTRITION CARE PROCESS, 16E, E-BOOK

Elsevier Health Sciences Provide optimal nutritional care with the latest guidelines to evidence-based practice! Krause and Mahan's Food & the Nutrition Care Process, 16th Edition provides an all-in-one resource for the dietetics information you need to care for patients throughout the entire life cycle. With insight from clinical specialists, the book guides you through the steps of assessment, diagnosis and intervention, monitoring, and evaluation. It also covers nutrition in each stage of life, weight management, medical nutrition therapies for conditions and disorders, and the use of nutrition therapies in childhood. From a team of nutrition experts led by Janice L. Raymond and Kelly Morrow, this classic text has been trusted by nurses, nutritionists, and dieticians for since 1952. UNIQUE!

Pathophysiology algorithms and flow charts present the cause, pathophysiology, and medical nutrition management for a variety of disorders and conditions to help you understand illness and provide optimal nutritional care. Clinical case studies help you translate academic knowledge into practical patient care using a framework of the nutrition care process. Sample Nutrition Diagnosis boxes present a problem, its etiology, and its signs and symptoms, then conclude with a nutrition diagnosis, providing scenarios you may encounter in practice. Clinical Insight boxes expand on information in the text, highlight new areas of focus, and contain information on studies and clinical resources. New Directions boxes suggest areas for further research by spotlighting emerging areas of interest in nutrition care. Focus On boxes provide thought-provoking information on key nutrition concepts. Summary boxes highlight CRISPR, the Indigenous food movement, hearing assessment, health disparities, and the Health At Every Size movement, and include a tribute to Dr. George Blackburn, a respected specialist in obesity and nutrition. Key terms are listed at the beginning of each chapter and bolded within the text. NEW Infectious Diseases chapter is written by a new author with specific expertise in infectious disease. NEW Transgender Nutrition chapter is added, from two new authors. NEW! COVID-19 updates are provided in multiple chapters, each relating to epidemiology and patient care. NEW! Information on the FODMAP diet is included in the appendix, covering the sugars that may cause intestinal distress. NEW! Emphasis on diversity, equity, and inclusion is included in all chapters. NEW! Updated International Dysphagia Diet Standardisation Initiative (IDDSI) information is included in the appendix. NEW! Updated pregnancy growth charts are added to this edition. NEW! Updated Healthy People 2030 information is added throughout the book.

ESSENTIAL GUIDE TO FOOD ADDITIVES

Royal Society of Chemistry Food additives are the cause of a great deal of discussion and suspicion. Now in its third edition, *Essential Guide to Food Additives* aims to inform this debate and bring the literature right up to date especially focussing on the changes in legislation since the last edition. Key topics include: * A basic introduction to the technology of food additives * Technical information on all food additives currently permitted in the European Union * Discussion covering the general issues surrounding the use of food additives, including the need for them * Coverage of the legal approval process for additives and the labelling of the finished product * Identification of sources or methods of production for each additive * Properties of individual additives and typical products they are used in This book will be an invaluable reference for researchers in the food and drink industry, undergraduates and graduates of courses in food science and technology and indeed all those who are interested in what they eat

CALIFORNIA STATE PUBLICATIONS

A MONTHLY LISTING OF OFFICIAL CALIFORNIA STATE DOCUMENTS RECEIVED BY THE GOVERNMENT PUBLICATIONS SECTION OF THE CALIFORNIA STATE LIBRARY

ADVANCES IN CONTROLLED/LIVING RADICAL POLYMERIZATION

Amer Chemical Society Presents new developments in controlled/living radical polymerization in three areas: atom transfer radical polymerization (ATRP), nitroxide mediated polymerization (NMP), and reversible addition-fragmentation transfer (RAFT). Also includes synthesis and characterization of many new materials.

STEREOTACTIC BODY RADIATION THERAPY

Springer Science & Business Media Stereotactic body radiation therapy (SBRT) has emerged as an important innovative treatment for various primary and metastatic cancers. This book provides a comprehensive and up-to-date account of the physical/technological, biological, and clinical aspects of SBRT. It will serve as a detailed resource for this rapidly developing treatment modality. The organ sites covered include lung, liver, spine, pancreas, prostate, adrenal, head and neck, and female reproductive tract. Retrospective studies and prospective clinical trials on SBRT for various organ sites from around the world are examined, and toxicities and normal tissue constraints are discussed. This book features unique insights from world-renowned experts in SBRT from North America, Asia, and Europe. It will be necessary reading for radiation oncologists, radiation oncology residents and fellows, medical physicists, medical physics residents, medical oncologists, surgical oncologists, and cancer scientists.

CHEMISTRY AND TECHNOLOGY OF FLAVOURS AND FRAGRANCES

John Wiley & Sons Modern flavours and fragrances are complex formulated products, containing blends of aroma compounds with auxiliary materials, enabling desirable flavours or fragrances to be added to a huge range of products. From the identification and synthesis of materials such as cinnamaldehyde and vanillin in the 19th Century to the current application of advanced analytical techniques for identification of trace aroma compounds present in natural materials, the flavour and fragrance industry has developed as a key part of the worldwide specialty chemicals industry. With contributions mainly coming from industry based experts, *Chemistry & Technology of Flavours and Fragrances* provides a detailed overview of the synthesis, chemistry and application technology of the major classes of aroma compounds. With separate chapters covering important technical aspects such as the stability of aroma compounds, structure - odour relationships and identification of aroma compounds, this book will be essential reading for both experienced and graduate level entrants to the flavour & fragrance industry. It will also serve as an important introduction to the

subject for chemists and technologists in those industries that use flavours and fragrances, eg food, cosmetics & toiletries, and household products. David Rowe is Technical Manager at De Monchy Aromatics Ltd., Poole UK

TISSUE-SPECIFIC CELL SIGNALING

Springer Nature Signal transduction comprises the intracellular biochemical signals which induce the appropriate cell response to an external stimulus. The players in signal transduction are diverse, from small molecules as first messengers, to proteins, receptors, transcription factors, among many others. The different signaling pathways and the crosstalk between them originates the unique signaling profile of every cell type in the human body. The cell signaling specificity depends on several aspects including protein composition, subcellular localization and complexes and gene promoters. This textbook provides a comprehensive overview of the specific signaling pathways on a variety of human tissues. This information can be of great value for health science researchers, professionals and students to understand key pathways for tissue-specific functions in the plethora of signals, signals receptors, transducers and effectors. Chapter 3 and 15 are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

ULTRASOUND ELASTOGRAPHY

MDPI The comparison between methods, evaluation of portal hypertension and many other questions are still open issues in liver elastography. New elastographic applications are under evaluation and close to being used in clinical practice. Strain imaging has been incorporated into many disciplines and EFSUMB guidelines are under preparation. More research is necessary for improved evidence for clinical applications in daily practice. The Special Issue published papers on recent advances in development and application of Ultrasound Elastography.

THE CUSTOMS UNION

Bruxelles : Commission of the European Communities

ADVANCED TECHNIQUES IN DIAGNOSTIC MICROBIOLOGY

VOLUME 2: APPLICATIONS

Springer In recent years, advanced molecular techniques in diagnostic microbiology have been revolutionizing the practice of clinical

microbiology in the hospital setting. Molecular diagnostic testing in general and nucleic acid-based amplification methods in particular have been heralded as diagnostic tools for the new millennium. This third edition covers not only the most recent updates and advances, but details newly invented omic techniques, such as next generation sequencing. It is divided into two distinct volumes, with Volume 1 describing the techniques, and Volume 2 addressing their applications in the field. In addition, both volumes focus more so on the clinical relevance of the test results generated by these techniques than previous editions.

COMMONWEALTH GOVERNMENT RECORDS ABOUT THE NORTHERN TERRITORY

KNOTS

POLYMER LIBRARIES

Springer Science & Business Media This is truly an exciting time to be in the field of polymer science. Advances in polymerization methods are providing polymer scientists with the ability to specify and control polymer composition, structure, architecture, and molecular weight to a degree that was not possible just a decade ago. This, in turn, is resulting in many novel application possibilities of polymers ranging from drug delivery systems and nanolithography to stimuli-responsive materials and many others. In addition, many of the application areas of polymers - such as coatings, adhesives, thermoplastics, composites, and personal care - are also taking advantage of the ability to design polymers during their development efforts. Not to forget, many of these applications of polymers involve mixing polymers with solvents, catalysts, colorants, and many other ingredients to prepare a formulated product. However, the tuning of polymer composition and structure as well as polymer formulations to optimize the final performance properties can be challenging, - pecially since in many cases several interacting variables need to be optimized simultaneously. This is where the methodologies and techniques of combinatorial and high-throughput experimentation to synthesize and characterize polymer - braries can be an invaluable approach. Simply put, a polymer library is a collection of multiple polymer samples having a systematic variation in one or more variables related to composition, structure, or process. Various methods and strategies have been explored to ef?ciently prepare a large number of polymer samples and also to screen these samples for key properties of interest.

OBESITY AND LIPOTOXICITY

Springer Due to the resultant health consequences and considerable increase in prevalence, obesity has become a major worldwide health problem. "Obesity and Lipotoxicity" is a comprehensive review of the recent researches to provide a better understanding of the lipotoxicity-related mechanisms of obesity and the potential for the development of new treatment strategies. This book overviews

the biochemical pathways leading to obesity-related metabolic disorders that occur subsequent to lipotoxicity. Chapters examine the deleterious effects of nutrient excess at molecular level including the cellular and molecular aspects of breast cancer, resistance to leptin, insulin, adiponectin, and interconnection between the circadian clock and metabolic pathways during high-fat feeding. "Lipotoxicity and Obesity" will be a useful resource for clinicians and basic science researchers, such as biochemists, toxicologists, immunologists, nutritionists, adult and pediatric endocrinologists, cardiologists, as well as students who are thought in this field.

GERIATRIC TELEPSYCHIATRY

A CLINICIAN'S GUIDE

Springer This book provides a basic introduction to geriatric telepsychiatry, including potential benefits and drawbacks of utilizing this treatment modality. The text discusses applications in academic, public, federal, and educational settings and suggests practical guidelines for implementing and maintaining a telepsychiatry program. As the elder population continues to grow over the next several decades, digital tools, including videoconferencing, will play a large role in meeting the needs of the elderly. Written by the leaders in geriatric telepsychiatry, this text is the first to focus on the psychiatric application of these digital tools, lay out the policies and guidelines for treating patients who can benefit from this service, and outline the most cutting-edge research on the topic. Geriatric Telepsychiatry is the ultimate guide for psychiatrists, geriatricians, social workers, geriatric nurses, students, long-term care facilitators, and all medical professionals who work with the elderly psychiatric patient.

THE SPECTRUM OF NEUROENDOCRINE NEOPLASIA

A PRACTICAL APPROACH TO DIAGNOSIS, CLASSIFICATION AND THERAPY

Springer Nature Neuroendocrine neoplasms comprise a large family of proliferative lesions that involve almost every part of the body. Our understanding of their cells of origin as well as the pathology, pathophysiology and genetics of these neoplasms has made tremendous advances in the last few decades. While they are often discussed as separate entities in textbooks of gastroenteropancreatic pathology and pulmonary pathology, their scope is much broader. The book conveys the similarities and differences of these fascinating tumors that may be found from the hypothalamus and pituitary to the rectum, and in soft tissue as well as in many organs. Written by experts in the field, the authors emphasize their structural, functional, predictive and prognostic features and attempt to provide the clinical context that allows improved diagnosis and therapy while building on the genetics that clarifies patterns of inheritance and predisposition to tumor development through precursor lesions. The Spectrum of Neuroendocrine

Neoplasia provides a broad overview of neuroendocrine neoplasms using a practical approach to diagnosis, histological classification and therapy, and presents the most important and significant developments of the technologies used to diagnose, classify and treat them.

GAS DYNAMICS

PHI Learning Pvt. Ltd.

LAPTOPS FOR SENIORS FOR DUMMIES, 5TH EDITION (16PT LARGE PRINT EDITION)

What the book covers: Laptops For Seniors For Dummies, 5th Edition covers basic information for new laptop owners in the seniors demographic who need a gentle, hand-holding, step-by-step approach to getting started. Series features: This bestselling title uses a larger font and large figures to make the book easy to read. The book assumes no prior knowledge and starts with selecting the right laptop or tablet, shows how the various parts connect together, how to use the keyboard and mouse, finding your way around the new Anniversary version of the Windows 10 operating system, using the touchscreen capabilities, using the Internet for shopping, social networking, emailing friends and family, researching, traveling, staying safe online, using files and folders, using office applications, and so on. General layout: Chapter openers present the tasks covered with associated page numbers to help readers find material fast No extraneous elements such as sidebars and text on parts pages Short introductions with standard headings Whats Inside: Chapters include: Buying A Laptop, Setting Up Your Computer, Getting Around Windows 10, Managing Power, Setting Up Your Display, Getting Help with Vision, Hearing and Dexterity Challenges, Setting Up Printers and Scanners, Connecting with Contana, Working with Software Programs, Working with Files and Folders, Working with Windows Apps, Understanding Internet Basics, Hitting the Road with Your Laptop, Browsing the Web, Staying Safe While Online, Keeping in Touch with Mail, Working in the Cloud, Connecting with Other People, Getting Visual: Using the Video, Photos, and Camera Apps, Playing Music in Windows 10, Working with Networks, Protecting Windows, and Maintaining Windows

TRANSFORMING SOCIETY

Navpress Publishing Group "You'll be challenged to translate faith into practice as you develop a biblical approach to social involvement"--back cover.

BIOLOGY 12

CLINICAL DNA VARIANT INTERPRETATION

THEORY AND PRACTICE

Academic Press Clinical DNA Variant Interpretation: Theory and Practice, a new volume in the Translational and Applied Genomics series, covers foundational aspects, modes of analysis, technology, disease and disorder specific case studies, and clinical integration. This book provides a deep theoretical background, as well as applied case studies and methodology, enabling researchers, clinicians and healthcare providers to effectively classify DNA variants associated with disease and patient phenotypes. Practical chapters discuss genomic variant interpretation, terminology and nomenclature, international consensus guidelines, population allele frequency, functional evidence transcripts for RNA, proteins, and enzymes, somatic mutations, somatic profiling, and much more. Compiles best practices, methods and sound evidence for DNA variant classification in one applied volume Features chapter contributions from international leaders in the field Includes practical examples of variant classification for common and rare disorders, and across clinical phenotypes

EPIGENOMICS

FROM CHROMATIN BIOLOGY TO THERAPEUTICS

Cambridge University Press Understanding mechanisms of gene regulation that are independent of the DNA sequence itself - epigenetics - has the potential to overthrow long-held views on central topics in biology, such as the biology of disease or the evolution of species. High throughput technologies reveal epigenetic mechanisms at a genome-wide level, giving rise to epigenomics as a new discipline with a distinct set of research questions and methods. Leading experts from academia, the biotechnology and pharmaceutical industries explain the role of epigenomics in a wide range of contexts, covering basic chromatin biology, imprinting at a genome-wide level, and epigenomics in disease biology and epidemiology. Details on assays and sequencing technology serve as an up-to-date overview of the available technological tool kit. A reliable guide for newcomers to the field as well as experienced scientists, this is a unique resource for anyone interested in applying the power of twenty-first-century genomics to epigenetic studies.

DIAGRID STRUCTURES

SYSTEMS, CONNECTIONS, DETAILS

Walter de Gruyter Diagrids are load-bearing structures made of steel diagonal grids. They were first used in the great buildings of the turn of the millennium, such as the Swiss Re Tower in London ("The Gherkin") and the Hearst Magazine Tower in New York City. Diagrids owe their ensuing popularity not only to their stunning aesthetic value, but also to their very tangible benefits: lateral loading capacity, a massive saving of material, a significant gain in open, usable floor area, and increased flexibility. At its opening in 2014, the Leadenhall Building in London will be the first skyscraper without a bearing inner core—thanks to a diagrid structure. This book explains comprehensively for the first time all of the aspects involved in this new bearing structure. The author, experienced in teaching, research, and practice (recent publication: *Understanding Steel Design. An Architectural Design Manual*, 2011), has tracked the development of this technology from its beginnings and employs photographic documentation of the construction phases of many diagrid structures.

HUANG DI NEI JING SU WEN

NATURE, KNOWLEDGE, IMAGERY IN AN ANCIENT CHINESE MEDICAL TEXT: WITH AN APPENDIX: THE DOCTRINE OF THE FIVE PERIODS AND SIX QI IN THE HUANG DI NEI JING SU WEN

Univ of California Press "The essential reference for ancient Chinese medicine."—Donald Harper, University of Chicago

BAYESIAN DATA ANALYSIS, SECOND EDITION

CRC Press Incorporating new and updated information, this second edition of THE bestselling text in Bayesian data analysis continues to emphasize practice over theory, describing how to conceptualize, perform, and critique statistical analyses from a Bayesian perspective. Its world-class authors provide guidance on all aspects of Bayesian data analysis and include examples of real statistical analyses, based on their own research, that demonstrate how to solve complicated problems. Changes in the new edition include: Stronger focus on MCMC Revision of the computational advice in Part III New chapters on nonlinear models and decision analysis Several additional applied examples from the authors' recent research Additional chapters on current models for Bayesian data analysis such as nonlinear models, generalized linear mixed models, and more Reorganization of chapters 6 and 7 on model checking and data collection Bayesian computation is currently at a stage where there are many reasonable ways to compute any given

posterior distribution. However, the best approach is not always clear ahead of time. Reflecting this, the new edition offers a more pluralistic presentation, giving advice on performing computations from many perspectives while making clear the importance of being aware that there are different ways to implement any given iterative simulation computation. The new approach, additional examples, and updated information make Bayesian Data Analysis an excellent introductory text and a reference that working scientists will use throughout their professional life.

THE FIRST STEP ACT

S. 2795

Independently Published This book contains the criminal justice reform bill that the Senate passed on 18 December 2018. Titled "The First Step Act," it is the biggest change to the federal criminal justice system in decades. Thousands of federal prison inmates will benefit from the new law. Bear in mind that it only affects the federal criminal justice system, not the state and local systems. It slightly pulls back punitive mandatory minimum sentences and allows judges to give lower sentences in some circumstances, and relaxing a "three strikes" law to give 25 years instead of life in prison. It makes 2010 crack sentencing reforms retroactive. It also expands "good time credits" that well-behaved inmates can use to get out of prison a little earlier and creates "earned time credits" that encourage inmates to take part in rehabilitative programs for an earlier release. Why buy a book you can download for free? We print this book so you don't have to. First you gotta find a good clean (legible) copy and make sure it's the latest version (not always easy). Some documents found on the web are missing some pages or the image quality is so poor, they are difficult to read. We look over each document carefully and replace poor quality images by going back to the original source document. We proof each document to make sure it's all there - including all changes. If you find a good copy, you could print it using a network printer you share with 100 other people (typically its either out of paper or toner). If it's just a 10-page document, no problem, but if it's 250-pages, you will need to punch 3 holes in all those pages and put it in a 3-ring binder. Takes at least an hour. It's much more cost-effective to just order the latest version from Amazon.com This book includes original commentary which is copyright material. Note that government documents are in the public domain. We print these large documents as a service so you don't have to. The books are compact, tightly-bound, full-size (8 1/2 by 11 inches), with large text and glossy covers. 4th Watch Publishing Co. is a HUBZONE SDVOSB. <https://usgovpub.com>

WEIRD BUT TRUE 1: EXPANDED EDITION

National Geographic Children's Books Offers a collection of true facts about animals, food, science, pop culture, outer space,

geography, and weather.

RECIDIVISM AMONG FEDERAL DRUG TRAFFICKING OFFENDERS

Government Printing Office

SPECIAL RELATIVITY FOR BEGINNERS

A TEXTBOOK FOR UNDERGRADUATES

World Scientific This book, first appearing in German in 2004 under the title *Spezielle Relativitätstheorie für Studienanfänger*, offers access to the special theory of relativity for readers with a background in mathematics and physics comparable to a high school honors degree. All mathematical and physical competence required beyond that level is gradually developed through the book, as more advanced topics are introduced. The full tensor formalism, however, is dispensed with as it would only be a burden for the problems to be dealt with. Eventually, a substantial and comprehensive treatise on special relativity emerges which, with its gray-shaded formulary, is an invaluable reference manual for students and scientists alike. Some crucial results are derived more than once with different approaches: the Lorentz transformation in one spatial direction three times, the Doppler formula four times, the Lorentz transformation in two directions twice; also twice the unification of electric and magnetic forces, the velocity addition formula, as well as the aberration formula. Beginners will be grateful to find several routes to the goal; moreover, for a theory like relativity, it is of fundamental importance to demonstrate that it is self-contained and without contradictions. Author's website: www.relativity.ch.

COMPUTER EASE

Virtualbookworm Publishing "Computer Ease" is a state of mind - one you can't reach when you're frustrated. It's hard to feel like a success when your mouse won't move, you're stuck on hold with tech support, and you can't format a page margin. There isn't one magical manual for all computer problems because computing is both so broad and so specific to a user's unique needs. But there is a way to understand why computers work the way they do, and how you can gain the upper hand. "Computer Ease" shares a positive strategy and philosophy that has already helped hundreds of the author's clients. The book includes real world solutions, actual user profiles, and Helen Gallagher's unique perspective from her years of consulting with Computer Clarity. With this book, you can finally understand how to manage your files, deal with error messages, learn keyboard shortcuts, protect your computer from spyware, and realize the power of the web.

AN UNTAMED LAND (RED RIVER OF THE NORTH BOOK #1)

Baker Books Proud of Their Heritage and Sustained by Their Faith, They Came to Tame a New Land She had promised herself that once they left the fjords of Norway, she would not look back. After three long years of scrimping and saving to buy tickets for their passage to America, Roald and Ingeborg Bjorklund, along with their son, Thorliff, finally arrive at the docks of New York City. It was the promise of free land that fed their dream and lured them from their beloved home high above the fjords of Norway in 1880. Together with Roald's brother Carl and his family, they will build a good life in a new land that promises untold wealth and vast farmsteads for their children. As they join the throngs of countless immigrants passing through Castle Garden, they soon discover that nothing is as they had envisioned it. Appalled by the horrid stories of fellow immigrants bilked of all their money and forced to live in squalid living conditions, the Bjorklunds continue their long journey by train as far as Grand Forks. From there a covered wagon takes them into Dakota Territory, where they settle on the banks of the Red River. But there was no way for them to foresee the price they will have to pay to wrest a living from the indomitable land. The virgin prairie refuses to yield its treasure without a struggle. Will they be strong enough to overcome the hardships of that first winter?