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KEY=QUICK - SOLIS CHRISTENSEN

STRENGTHENING FORENSIC SCIENCE IN THE UNITED STATES

A PATH FORWARD

National Academies Press **Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.**

FAIR SOCIETY, HEALTHY LIVES

Olschki

COMPUTER AGE STATISTICAL INFERENCE

Cambridge University Press Take an exhilarating journey through the modern revolution in statistics with two of the ringleaders.

STREETS WITH A STORY

THE BOOK OF ISLINGTON

NATIONAL ARCHIVES RECORDS RELATING TO THE KOREAN WAR

MACHINE LEARNING

A PROBABILISTIC PERSPECTIVE

MIT Press A comprehensive introduction to machine learning that uses probabilistic models and inference as a unifying approach. Today's Web-enabled deluge of electronic data calls for automated methods of data analysis. Machine learning provides these, developing methods that can automatically detect patterns in data and then use the uncovered patterns to predict future data. This textbook offers a comprehensive and self-contained introduction to the field of machine learning, based on a unified, probabilistic approach. The coverage combines breadth and depth, offering necessary background material on such topics as probability, optimization, and linear algebra as well as discussion of recent developments in the field, including conditional random fields, L1 regularization, and deep learning. The book is written in an informal, accessible style, complete with pseudo-code for the most important algorithms. All topics are copiously illustrated with color images and worked examples drawn from such application domains as biology, text processing, computer vision, and robotics. Rather than providing a cookbook of different heuristic methods, the book stresses a principled model-based approach, often using the language of graphical models to specify models in a concise and intuitive way. Almost all the models described have been implemented in a MATLAB software package—PMTK (probabilistic modeling toolkit)—that is freely available online. The book is suitable for upper-level undergraduates with an introductory-level college math background and beginning graduate students.

ORTHOGERIATRICS

Springer Nature This new open access edition supported by the Fragility Fracture Network aims at giving the widest possible dissemination on fragility fracture (especially hip fracture) management and notably in countries where this expertise is sorely needed. It has been extensively revised and updated by the experts of this network to provide a unique and reliable content in one single volume. Throughout the book, attention is given to the difficult question of how to provide best practice in

countries where the discipline of geriatric medicine is not well established and resources for secondary prevention are scarce. The revised and updated chapters on the epidemiology of hip fractures, osteoporosis, sarcopenia, surgery, anaesthesia, medical management of frailty, peri-operative complications, rehabilitation and nursing are supplemented by six new chapters. These include an overview of the multidisciplinary approach to fragility fractures and new contributions on pre-hospital care, treatment in the emergency room, falls prevention, nutrition and systems for audit. The reader will have an exhaustive overview and will gain essential, practical knowledge on how best to manage fractures in elderly patients and how to develop clinical systems that do so reliably.

THE PSYCHOSOCIAL IMPLICATIONS OF DISNEY MOVIES

MDPI In this volume of 15 articles, contributors from a wide range of disciplines present their analyses of Disney movies and Disney music, which are mainstays of popular culture. The power of the Disney brand has heightened the need for academics to question whether Disney's films and music function as a tool of the Western elite that shapes the views of those less empowered. Given its global reach, how the Walt Disney Company handles the role of race, gender, and sexuality in social structural inequality merits serious reflection according to a number of the articles in the volume. On the other hand, other authors argue that Disney productions can help individuals cope with difficult situations or embrace progressive thinking. The different approaches to the assessment of Disney films as cultural artifacts also vary according to the theoretical perspectives guiding the interpretation of both overt and latent symbolic meaning in the movies. The authors of the 15 articles encourage readers to engage with the material, showcasing a variety of views about the good, the bad, and the best way forward.

MAN AND HIS SYMBOLS

Dell Explores Jung's psychological concepts regarding the nature, function and importance of man's symbols as they appear on both the conscious and subconscious level

REGISTRIES FOR EVALUATING PATIENT OUTCOMES

A USER'S GUIDE

Government Printing Office 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.

ATTENTION AND EFFORT

Prentice Hall

SENSITIVITY ANALYSIS IN PRACTICE

A GUIDE TO ASSESSING SCIENTIFIC MODELS

John Wiley & Sons Sensitivity analysis should be considered a pre-requisite for statistical model building in any scientific discipline where modelling takes place. For a non-expert, choosing the method of analysis for their model is complex, and depends on a number of factors. This book guides the non-expert through their problem in order to enable them to choose and apply the most appropriate method. It offers a review of the state-of-the-art in sensitivity analysis, and is suitable for a wide range of practitioners. It is focussed on the use of SIMLAB - a widely distributed freely-available sensitivity analysis software package developed by the authors - for solving problems in sensitivity analysis of statistical models. Other key features: Provides an accessible overview of the current most widely used methods for sensitivity analysis. Opens with a detailed worked example to explain the motivation behind the book. Includes a range of examples to help illustrate the concepts discussed. Focuses on implementation of the methods in the software SIMLAB - a freely-available sensitivity analysis software package developed by the authors. Contains a large number of references to sources for further reading. Authored by the leading authorities on sensitivity analysis.

PASSIVE NONDESTRUCTIVE ASSAY OF NUCLEAR MATERIALS

PRINCIPLES FOR BEST PRACTICE IN CLINICAL AUDIT

Radcliffe Publishing Clinical audit is at the heart of clinical governance. Provides the mechanisms for reviewing the quality of everyday care provided to patients with common conditions like asthma or diabetes. Builds on a long history of doctors, nurses and other healthcare professionals reviewing case notes and seeking ways to serve their patients better. Addresses the quality issues systematically and explicitly, providing reliable information. Can confirm the quality of clinical services and highlight the need for improvement. Provides clear statements of principle about clinical audit in the NHS.

CULTURAL TECHNIQUES

GRIDS, FILTERS, DOORS, AND OTHER ARTICULATIONS OF THE REAL

Fordham Univ Press In a crucial shift within posthumanistic media studies, Bernhard Siegert dissolves the concept of media into a network of operations that reproduce, displace, process, and reflect the distinctions fundamental for a given culture. Cultural Techniques aims to forget our traditional understanding of media so as to redefine the concept through something more fundamental than the empiricist study of a medium's individual or collective uses or of its cultural semantics or aesthetics. Rather, Siegert seeks to relocate media and culture on a level where the distinctions between object and performance, matter and form, human and nonhuman, sign and channel, the symbolic and the real are still in the process of becoming. The result is to turn ontology into a domain of all that is meant in German by the word Kultur. Cultural techniques comprise not only self-referential symbolic practices like reading, writing, counting, or image-making. The analysis of artifacts as cultural techniques emphasizes their ontological status as "in-betweens," shifting from firstorder to second-order techniques, from the technical to the artistic, from object to sign, from the natural to the cultural, from the operational to the representational. Cultural Techniques ranges from seafaring, drafting, and eating to the production of the sign-signal distinction in old and new media, to the reproduction of anthropological difference, to the study of trompe-l'oeils, grids, registers, and doors. Throughout, Siegert addresses fundamental questions of how ontological distinctions can be replaced by chains of operations that process those alleged ontological distinctions within the ontic. Grounding posthumanist theory both historically and technically, this book opens up a crucial dialogue between new German media theory and American postcybernetic discourses.

151 TRADING STRATEGIES

Springer The book provides detailed descriptions, including more than 550 mathematical formulas, for more than 150 trading strategies across a host of asset classes and trading styles. These include stocks, options, fixed

income, futures, ETFs, indexes, commodities, foreign exchange, convertibles, structured assets, volatility, real estate, distressed assets, cash, cryptocurrencies, weather, energy, inflation, global macro, infrastructure, and tax arbitrage. Some strategies are based on machine learning algorithms such as artificial neural networks, Bayes, and k-nearest neighbors. The book also includes source code for illustrating out-of-sample backtesting, around 2,000 bibliographic references, and more than 900 glossary, acronym and math definitions. The presentation is intended to be descriptive and pedagogical and of particular interest to finance practitioners, traders, researchers, academics, and business school and finance program students.

DIET AND HEALTH

IMPLICATIONS FOR REDUCING CHRONIC DISEASE RISK

National Academies Press **Diet and Health** examines the many complex issues concerning diet and its role in increasing or decreasing the risk of chronic disease. It proposes dietary recommendations for reducing the risk of the major diseases and causes of death today: atherosclerotic cardiovascular diseases (including heart attack and stroke), cancer, high blood pressure, obesity, osteoporosis, diabetes mellitus, liver disease, and dental caries.

HOW TOBACCO SMOKE CAUSES DISEASE

THE BIOLOGY AND BEHAVIORAL BASIS FOR SMOKING-ATTRIBUTABLE DISEASE : A REPORT OF THE SURGEON GENERAL

U.S. Government Printing Office This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

APPLIED STOCHASTIC DIFFERENTIAL EQUATIONS

Cambridge University Press **Stochastic differential equations** are differential equations whose solutions are stochastic processes. They exhibit appealing mathematical properties that are useful in modeling uncertainties and noisy phenomena in many disciplines. This book is motivated by

applications of stochastic differential equations in target tracking and medical technology and, in particular, their use in methodologies such as filtering, smoothing, parameter estimation, and machine learning. It builds an intuitive hands-on understanding of what stochastic differential equations are all about, but also covers the essentials of It calculus, the central theorems in the field, and such approximation schemes as stochastic Runge-Kutta. Greater emphasis is given to solution methods than to analysis of theoretical properties of the equations. The book's practical approach assumes only prior understanding of ordinary differential equations. The numerous worked examples and end-of-chapter exercises include application-driven derivations and computational assignments. MATLAB/Octave source code is available for download, promoting hands-on work with the methods.

PREVENTING TOBACCO USE AMONG YOUTH AND YOUNG ADULTS

A REPORT OF THE SURGEON GENERAL

U.S. Government Printing Office **NOTE: NO FURTHER DISCOUNT FOR THIS PRINT PRODUCT -- OVERSTOCK SALE --** Significantly reduced list price This Surgeon General s Report details the causes and the consequences of tobacco use among youth and young adults by focusing on the social, environmental, advertising, and marketing influences that encourage youth and young adults to initiate and sustain tobacco use. This is the first time tobacco data on young adults as a discrete population have been explored in detail. The report also highlights successful strategies to prevent young people from using tobacco. This three volume set includes the following items: A booklet containing highlights from the 2012 Surgeon General s report on tobacco use among youth and teens ages 12 through 17 and young adults ages 18 through 26. This booklet provides an overview of tobacco use within this targeted age group. The second booklet is an Executive Summary with two messages. One message from for Kathleen Sebelius, Secretary of Health and Human Services and a second message from Howard Koh, Assistant Secretary of Health and contains a brief introduction to the set and summary and conclusions for each chapter contained in the final volume. The final volume contains over 800 pages of documentation, interwoven with text and data addressing the adverse health consequences of tobacco use by children and young adults. It includes research on a variety of topics, including nicotine addiction, trends in cigarette smoking among young adults, trends in smokeless tobacco use and cigar smoking over time, genetic factors in tobacco use among youth, and mass media influence on smoking to this age group to name a few. This third volume is rich with table data research findings to support the Surgeon General s concerns with America s use and tobacco. If you would like to find similiar products, please check out our Alcoholism, Smoking, and Substance Abuse resources collection at this link: <https://bookstore.gpo.gov/catalog/health-benefits/alcoholism-smoking->

substance-abuse "

BEHAVIOR MANAGEMENT IN DENTISTRY FOR CHILDREN

John Wiley & Sons **Guiding patient behavior is as important as ever for the practicing dentist, and the behavior of pediatric patients is perhaps the most challenging to manage. Drs. Wright and Kupietzky here update Dr. Wright's classic work on managing pediatric dental patients. Behavior Management in Dentistry for Children, 2nd Edition, has been entirely rewritten and includes the latest and most effective management strategies from an international team of experts in the field. The book addresses the influence of family and parenting styles on children's behavior and the factors that determine how children behave in the dental office. Pharmacological and non-pharmacological management techniques are described in depth, as are techniques for dealing with special needs patients. Clinical scenarios are described throughout the book, with practical application of the taught principles. The final part of the book covers the dental environment—training office personnel to manage children's behavior, practical considerations for behavior guidance, and the effects of the physical dental office environment. Behavior Management in Dentistry for Children, 2nd Edition, is ideal for pediatric residents, dental students, and practicing dentists who see children on a regular basis.**

BIOSAFETY IN MICROBIOLOGICAL AND BIOMEDICAL LABORATORIES

CASE STUDIES IN SPATIAL POINT PROCESS MODELING

Springer Science & Business Media **Point process statistics is successfully used in fields such as material science, human epidemiology, social sciences, animal epidemiology, biology, and seismology. Its further application depends greatly on good software and instructive case studies that show the way to successful work. This book satisfies this need by a presentation of the spatstat package and many statistical examples. Researchers, spatial statisticians and scientists from biology, geosciences, materials sciences and other fields will use this book as a helpful guide to the application of point process statistics. No other book presents so many well-founded point process case studies. From the reviews: "For those interested in analyzing their spatial data, the wide variety of examples and approaches here give a good idea of the possibilities and suggest reasonable paths to explore." Michael Sherman for the Journal of the American Statistical Association, December 2006**

THE IMPACT OF DISASTERS AND CRISES ON AGRICULTURE AND FOOD SECURITY: 2021

Food & Agriculture Org. **On top of a decade of exacerbated disaster loss, exceptional global heat, retreating ice and rising sea levels, humanity and our food security face a range of new and unprecedented hazards, such as**

megafires, extreme weather events, desert locust swarms of magnitudes previously unseen, and the COVID-19 pandemic. Agriculture underpins the livelihoods of over 2.5 billion people - most of them in low-income developing countries - and remains a key driver of development. At no other point in history has agriculture been faced with such an array of familiar and unfamiliar risks, interacting in a hyperconnected world and a precipitously changing landscape. And agriculture continues to absorb a disproportionate share of the damage and loss wrought by disasters. Their growing frequency and intensity, along with the systemic nature of risk, are upending people's lives, devastating livelihoods, and jeopardizing our entire food system. This report makes a powerful case for investing in resilience and disaster risk reduction - especially data gathering and analysis for evidence informed action - to ensure agriculture's crucial role in achieving the future we want.

TYPOLOGY OF KNOWLEDGE, SKILLS AND COMPETENCES

CLARIFICATION OF THE CONCEPT AND PROTOTYPE

European Communities The third in a series of Cedefop publications dealing with technical aspects of the European Qualification Framework and European Credit Transfer System, this book analyses current practice in countries that have made progress with evaluating and defining competence. It proposes a typology of knowledge, skills and competence, to be used not as an instrument of 'harmonisation' between countries, but as a template to enable comparison. The aim is to promote mobility in every sense, bringing work-based learning and knowledge acquired in higher education closer together.

POPLARS AND WILLOWS

TREES FOR SOCIETY AND THE ENVIRONMENT

CABI Poplars and willows form an important component of forestry and agricultural systems, providing a wide range of wood and non-wood products. This book synthesizes research on poplars and willows, providing a practical worldwide overview and guide to their basic characteristics, cultivation and use, issues, problems and trends. Prominence is given to environmental benefits and the importance of poplar and willow cultivation in meeting the needs of people and communities, sustainable livelihoods, land use and development.

PISA 2018 ASSESSMENT AND ANALYTICAL FRAMEWORK

OECD Publishing This report presents the conceptual foundations of the OECD Programme for International Student Assessment (PISA), now in its seventh cycle of comprehensive and rigorous international surveys of student knowledge, skills and well-being. Like previous cycles, the 2018 assessment covered reading, mathematics and science, with the major

focus this cycle on reading literacy, plus an evaluation of students' global competence - their ability to understand and appreciate the perspectives and world views of others. Financial literacy was also offered as an optional assessment.

NUDGE

IMPROVING DECISIONS ABOUT HEALTH, WEALTH, AND HAPPINESS

Yale University Press Thaler and Sunstein offer a groundbreaking discussion of how to apply the science of choice to nudge people toward decisions that can improve their lives without restricting their freedom of choice.

REMAINS OF THE SOVIET PAST IN ESTONIA

AN ANTHROPOLOGY OF FORGETTING, REPAIR AND URBAN TRACES

UCL Press What happens to legacies that do not find any continuation? In Estonia, a new generation that does not remember the socialist era and is open to global influences has grown up. As a result, the impact of the Soviet memory in people's conventional values is losing its effective power, opening new opportunities for repair and revaluation of the past. Francisco Martinez brings together a number of sites of interest to explore the vanquishing of the Soviet legacy in Estonia: the railway bazaar in Tallinn where concepts such as 'market' and 'employment' take on distinctly different meanings from their Western use; Linnahall, a grandiose venue, whose Soviet heritage now poses difficult questions of how to present the building's history; Tallinn's cityscape, where the social, spatial and temporal co-evolution of the city can be viewed and debated; Narva, a city that marks the border between the Russian Federation, NATO and the European Union, and represents a place of continual negotiation of belonging; and the new Estonian National Museum in Raadi, an area on the outskirts of Tartu, that has been turned into a memory field. The anthropological study of all these places shows that national identity and historical representations can be constructed in relation to waste and disrepair too, also demonstrating how we can understand generational change in a material sense. Praise for *Remains of the Soviet Past in Estonia* 'By adopting the tropes of 'repair' and 'waste', this book innovatively manages to link various material registers from architecture, intergenerational relations, affect and museums with ways of making the past present. Through a rigorous yet transdisciplinary method, Martínez brings together different scales and contexts that would often be segregated out. In this respect, the ethnography unfolds a deep and nuanced analysis, providing a useful comparative and insightful account of the processes of repair and waste making in all their material, social and ontological dimensions.' Victor Buchli, Professor of Material Culture at UCL 'This book comprises an endearingly transdisciplinary ethnography of postsocialist material culture and social change in Estonia. Martínez

creatively draws on a number of critical and cultural theorists, together with additional research on memory and political studies scholarship and the classics of anthropology. Grappling concurrently with time and space, the book offers a delightfully thick description of the material effects generated by the accelerated post-Soviet transformation in Estonia, inquiring into the generational specificities in experiencing and relating to the postsocialist condition through the conceptual anchors of wasted legacies and repair. This book defies disciplinary boundaries and shows how an attention to material relations and affective infrastructures might reinvigorate political theory.' Maria Mälksoo, Senior Lecturer, Brussels School of International Studies at the University of Kent

BLOCKCHAIN TECHNOLOGY: APPLICATIONS AND CHALLENGES

Springer Nature This book discusses the various open issues of blockchain technology, such as the efficiency of blockchain in different domains of digital cryptocurrency, smart contracts, smart education system, smart cities, cloud identity and access, safeguard to cybersecurity and health care. For the first time in human history, people across the world can trust each other and transact over a large peer-to-peer networks without any central authority. This proves that, trust can be built not only by centralized institution but also by protocols and cryptographic mechanisms. The potential and collaboration between organizations and individuals within peer networks make it possible to potentially move to a global collaborative network without centralization. Blockchain is a complex social, economic and technological phenomenon. This questions what the established terminologies of the modern world like currency, trust, economics and exchange would mean. To make any sense, one needs to realize how much insightful and potential it is in the context and the way it is technically developed. Due to rapid changes in accessing the documents through online transactions and transferring the currency online, many previously used methods are proving insufficient and not secure to solve the problem which arises in the safe and hassle-free transaction. Nowadays, the world changes rapidly, and a transition flow is also seen in Business Process Management (BPM). The traditional Business Process Management holds good establishment last one to two decades, but, the internal workflow confined in a single organization. They do not manage the workflow process and information across organizations. If they do so, again fall in the same trap as the control transfers to the third party that is centralized server and it leads to tampering the data, and single point of failure. To address these issues, this book highlights a number of unique problems and effective solutions that reflects the state-of-the art in blockchain Technology. This book explores new experiments and yields promising solutions to the current challenges of blockchain technology. This book is intended for the researchers, academicians, faculties, scientists, blockchain specialists, business management and software

industry professionals who will find it beneficial for their research work and set new ideas in the field of blockchain. This book caters research work in many fields of blockchain engineering, and it provides an in-depth knowledge of the fields covered.

THE HUMAN ELEMENT

A GUIDE TO HUMAN BEHAVIOUR IN THE SHIPPING INDUSTRY

Based on a wide range of consultations with maritime organisations, the guide was produced by organisational psychologists gs partnership ltd, for consortium partners UK Maritime and Coastguard Agency, BP Shipping, Teekay Marine Services, and the Standard P&I Club. Aimed at everyone in the shipping industry, the Guide explains the fundamental aspects of human behaviour, which together constitute what the commercial maritime sector calls 'the human element'. It makes clear that the human element is neither peripheral nor optional in the pursuit of a profitable and safe shipping industry. The Guide clearly shows that managing the human element must take place simultaneously at all levels of the industry. Analysis of continuing shipping disasters has increasingly implicated the human element. The loss of life, the impact on company profits and credibility, and the vast environmental damage that can result from the loss of even a single vessel remain clear. The Guide offers insight, explanation and advice to help manage the human element more effectively, more safely and more profitably.

SPEED READING FOR DUMMIES

John Wiley & Sons **Learn to: Increase your reading speed and comprehension**
Use speed techniques for any type of reading material
Improve your silent reading skills
Recall more of what you read
The fun and easy way® to become a more efficient, effective reader!
Want to read faster – and recall more of what you read?
This practical, hands-on guide gives you the techniques you need to increase your reading speed and retention, whether you're reading books, e-mails, magazines, or even technical journals!
You'll find reading aids and plenty of exercises to help you read faster and better comprehend the text. Yes, you can speed read – discover the skills you need to read quickly and effectively, break your bad reading habits, and take in more text at a glance
Focus on the fundamentals – widen your vision span and see how to increase your comprehension, retention, and recall
Advance your speed-reading skills – read blocks of text, heighten your concentration, and follow an author's thought patterns
Zero in on key points – skim, scan, and pre-read to quickly locate the information you want
Expand your vocabulary – recognize the most common words and phrases to help you move through the text more quickly
Open the book and find: Tried-and-true techniques from The Reader's Edge® program
How to assess your current reading level
Tools

and exercises to improve your reading skills Speed-reading fundamentals you must know Helpful lists of prefixes, suffixes, roots, and prime words A speed-reading progress worksheet Exercises for eye health and expanded reading vision Tips for making your speed-reading skills permanent

BRITISH SMOOTH-BORE ARTILLERY

A TECHNOLOGICAL STUDY TO SUPPORT IDENTIFICATION, ACQUISITION, RESTORATION, REPRODUCTION, AND INTERPRETATION OF ARTILLERY AT NATIONAL HISTORIC PARKS IN CANADA

National Historic Parks and Sites, Environment Canada, Parks **Under its mandate to interpret Canadian history to the public, Environment Canada - Parks initiated an extensive study of the technology of British ordnance c1710-1860s to aid in the re-creation of period settings at a number of British military sites in Canada, and to provide a manual for the reconstruction of pieces of artillery, their carriages and platforms. The study covers the production of ordnance, the history of the development and design of various pieces (guns, mortars, howitzers, carronades), their carriages and platforms, and the development of gunpowder, cartridges, fuses, and projectiles.**

SIMULATION AND THE MONTE CARLO METHOD

John Wiley & Sons "[This third edition] reflects the latest developments in the field and presents a fully updates and comprehensive account of state-of-the art theory, methods, and applications that have emerged in Monte Carlo simulation since the publication of the classic first edition over more than a quarter of a century ago. While maintaining its accessible and intuitive approach, this revised edition features a wealth of up-to-date information facilitating a deeper understanding of problem solving across a wide array of subject areas, such as engineering, statistics, computer science, mathematics, and the physical and life sciences. The book begins with a modernized introduction addressing the basic concepts of probability, Markov processes, and convex optimization. Subsequent chapters discuss dramatic changes that have occurred in the field of the Monte Carlo method, with coverage of many modern topics including : Markov chain Monte Carlo, variance reduction techniques such a importance (re)sampling and the transform likelihood ratio method, score function method for sensitivity analysis, stochastic approximation method and stochastic counter-part method for Monte Carlo optimization, cross-entropy method for rare events estimation and combinatorial optimization, and application of Monte Carlo techniques for counting problems. An extensive range of exercises is provided at the end of each chapter, as well as a generous sampling of applied examples." (source : 4ème de couverture).

LEARNING THEORIES

AN EDUCATIONAL PERSPECTIVE

Addison Wesley Longman **An essential resource for understanding the main principles, concepts, and research findings of key theories of learning- especially as they relate to education-this proven text blends theory, research, and applications throughout, providing readers with a coherent and unified perspective on learning in educational settings. Key features of the text include: Vignettes at the start of each chapter illustrating some of the principles discussed in the chapter, examples and applications throughout the chapters, and separate sections on instructional applications at the end of each chapter. A new chapter on Self-Regulation (Chapter 9). Core chapters on the neuroscience of learning (Chapter 2), constructivism (Chapter 6), cognitive learning processes (Chapter 7), motivation (Chapter 8), and development (Chapter 10) all related to teaching and learning. Updated sections on learning from technology and electronic media and how these advancements effectively promote learning in students (Chapters 7 & 10) Detailed content-area learning and models of instruction information form coherence and connection between teaching and learning in different content areas, learning principles, and processes (Chapters 2-10). Over 140 new references on the latest theoretical ideas, research findings, and applications in the field.**

USING R AND RSTUDIO FOR DATA MANAGEMENT, STATISTICAL ANALYSIS, AND GRAPHICS

CRC Press **Improve Your Analytical Skills**Incorporating the latest R packages as well as new case studies and applications, *Using R and RStudio for Data Management, Statistical Analysis, and Graphics, Second Edition* covers the aspects of R most often used by statistical analysts. New users of R will find the book's simple approach easy to understand while more

SAFA

SUSTAINABILITY ASSESSMENT OF FOOD AND AGRICULTURE SYSTEMS

Food and Agriculture Organization **The Sustainability Assessment of Food and Agriculture systems (SAFA) Guidelines** were developed for assessing the impact of food and agriculture operations on the environment and people. The guiding vision of SAFA is that food and agriculture systems worldwide are characterized by all four dimensions of sustainability: good governance, environmental integrity, economic resilience and social well-being.

DEMENTIA-FRIENDLY HEALTH AND SOCIAL CARE ENVIRONMENTS

The quality and readiness of the health and social care estate is vital for high quality, safe and efficient health and social care. This HBN sets out

the design guidance for dementia-friendly health and social care environments. The design principles and the core design features together with a selection of case studies provide guidance for the development of new design solutions and the adaptation/ extension of existing facilities. HBN 08-02 is intended particularly for those who are new to the topic and also for people living with dementia or their advocates who may be engaged as part of stakeholder engagement processes. It may also be helpful for commissioning organisations, auditors and regulators, giving an overall perspective of the dementia-friendly design issues that need to be addressed

THE LONG TAIL

WHY THE FUTURE OF BUSINESS IS SELLING LESS OF MORE

Hachette Books What happens when the bottlenecks that stand between supply and demand in our culture go away and everything becomes available to everyone? "The Long Tail" is a powerful new force in our economy: the rise of the niche. As the cost of reaching consumers drops dramatically, our markets are shifting from a one-size-fits-all model of mass appeal to one of unlimited variety for unique tastes. From supermarket shelves to advertising agencies, the ability to offer vast choice is changing everything, and causing us to rethink where our markets lie and how to get to them. Unlimited selection is revealing truths about what consumers want and how they want to get it, from DVDs at Netflix to songs on iTunes to advertising on Google. However, this is not just a virtue of online marketplaces; it is an example of an entirely new economic model for business, one that is just beginning to show its power. After a century of obsessing over the few products at the head of the demand curve, the new economics of distribution allow us to turn our focus to the many more products in the tail, which collectively can create a new market as big as the one we already know. The Long Tail is really about the economics of abundance. New efficiencies in distribution, manufacturing, and marketing are essentially resetting the definition of what's commercially viable across the board. If the 20th century was about hits, the 21st will be equally about niches.

A TALE OF TWO CITIES ILLUSTRATED

A Tale of Two Cities (1859) is a historical novel by Charles Dickens, set in London and Paris before and during the French Revolution. The novel tells the story of the French Doctor Manette, his 18-year-long imprisonment in the Bastille in Paris and his release to live in London with his daughter Lucie, whom he had never met. The story is set against the conditions that led up to the French Revolution and the Reign of Terror.