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KEY=MULTIPLE - KNOX CROSS

Multiple Comparisons and Multiple Tests Using SAS, Second Edition

SAS Institute New and extensively updated for SAS 9 and later, this work provides cutting-edge methods, specialized macros, and proven best bet procedures. The book also discusses the pitfalls and advantages of various methods, thereby helping readers to decide which is the most appropriate for their purposes. 644 pp. Pub. 7/11.

Multiple Comparisons Theory and Methods

CRC Press Multiple Comparisons introduces simultaneous statistical inference and covers the theory and techniques for all-pairwise comparisons, multiple comparisons with the best, and multiple comparisons with a control. The author describes confidence intervals methods and stepwise exposes abuses and misconceptions, and guides readers to the correct method for each problem. Discussions also include the connections with bioequivalence, drug stability, and toxicity studies Real data sets analyzed by computer software packages illustrate the applications presented.

Handbook of Multiple Comparisons

CRC Press Written by experts that include originators of some key ideas, chapters in the Handbook of Multiple Testing cover multiple comparison problems big and small, with guidance toward error rate control and insights on how principles developed earlier can be applied to current and emerging problems. Some highlights of the coverages are as follows. Error rate control is useful for controlling the incorrect decision rate. Chapter 1 introduces Tukey's original multiple comparison error rates and point to how they have been applied and adapted to modern multiple comparison problems as discussed in the later chapters. Principles endure. While the closed testing principle is more familiar, Chapter 4 shows the partitioning principle can derive confidence sets for multiple tests, which may become important as the profession goes beyond making decisions based on p-values. Multiple comparisons of treatment efficacy often involve multiple doses and endpoints. Chapter 12 on multiple endpoints explains how different choices of endpoint types lead to different multiplicity adjustment strategies, while Chapter 11 on the MCP-Mod approach is particularly useful for dose-finding. To assess efficacy in clinical trials with multiple doses and multiple endpoints, the reader can see the traditional approach in Chapter 2, the Graphical approach in Chapter 5, and the multivariate approach in Chapter 3. Personalized/precision medicine based on targeted therapies, already a reality, naturally leads to analysis of efficacy in subgroups. Chapter 13 draws attention to subtle logical issues in inferences on subgroups and their mixtures, with a principled solution that resolves these issues. This chapter has implication toward meeting the ICH E9 R1 Estimands requirement. Besides the mere multiple testing methodology itself, the handbook also covers related topics like the statistical task of model selection in Chapter 7 or the estimation of the proportion of true null hypotheses (or, in other words, the signal prevalence) in Chapter 8. It also contains decision-theoretic considerations regarding the admissibility of multiple tests in Chapter 6. The issue of selected inference is addressed in Chapter 9. Comparison of responses can involve millions of voxels in medical imaging or SNPs in genome-wide association studies (GWAS). Chapter 14 and Chapter 15 provide state of the art methods for large scale simultaneous inference in these settings.

Data Mining for the Social Sciences

An Introduction

Univ of California Press We live in a world of big data: the amount of information collected on human behavior each day is staggering, and exponentially greater than at any time in the past. Additionally, powerful algorithms are capable of churning through seas of data to uncover patterns. Providing a simple and accessible introduction to data mining, Paul Attewell and David B. Monaghan discuss how data mining substantially differs from conventional statistical modeling familiar to most social scientists. The authors also empower social scientists to tap into these new

resources and incorporate data mining methodologies in their analytical toolkits. Data Mining for the Social Sciences demystifies the process by describing the diverse set of techniques available, discussing the strengths and weaknesses of various approaches, and giving practical demonstrations of how to carry out analyses using tools in various statistical software packages.

Multiple Comparisons Using R

CRC Press Adopting a unifying theme based on maximum statistics, Multiple Comparisons Using R describes the common underlying theory of multiple comparison procedures through numerous examples. It also presents a detailed description of available software implementations in R. The R packages and source code for the analyses are available at <http://CRAN.R-project.org> After giving examples of multiplicity problems, the book covers general concepts and basic multiple comparisons procedures, including the Bonferroni method and Simes' test. It then shows how to perform parametric multiple comparisons in standard linear models and general parametric models. It also introduces the multcomp package in R, which offers a convenient interface to perform multiple comparisons in a general context. Following this theoretical framework, the book explores applications involving the Dunnett test, Tukey's all pairwise comparisons, and general multiple contrast tests for standard regression models, mixed-effects models, and parametric survival models. The last chapter reviews other multiple comparison procedures, such as resampling-based procedures, methods for group sequential or adaptive designs, and the combination of multiple comparison procedures with modeling techniques. Controlling multiplicity in experiments ensures better decision making and safeguards against false claims. A self-contained introduction to multiple comparison procedures, this book offers strategies for constructing the procedures and illustrates the framework for multiple hypotheses testing in general parametric models. It is suitable for readers with R experience but limited knowledge of multiple comparison procedures and vice versa. See Dr. Bretz discuss the book.

Bulletin

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.

Multiple Testing Problems in Pharmaceutical Statistics

CRC Press Useful Statistical Approaches for Addressing Multiplicity Issues Includes practical examples from recent trials Bringing together leading statisticians, scientists, and clinicians from the pharmaceutical industry, academia, and regulatory agencies, Multiple Testing Problems in Pharmaceutical Statistics explores the rapidly growing area of multiple c

Bulletin - Institute of Mathematical Statistics

Philosophizing About Sex

Broadview Press Ancient Greek philosophers, medieval theologians, Enlightenment thinkers, and contemporary humanists alike have debated all aspects of human sexuality, including its purpose, permissibility, normalcy, and risks. Philosophizing About Sex provides a philosophical guide to those longstanding and important debates. Each chapter takes a general issue (freedom, privacy, objectification, etc.) and shows how ongoing public discussions of sexuality can be illuminated by careful philosophical investigation. Debates over topics such as sexual assault, sexual orientation, sex education, prostitution, and "sexting" involve larger questions about morality, law, science, and politics and cannot be intelligently discussed in isolation from broader issues. By asking deceptively simple questions, this book shows how difficult but important it is to arrive at satisfying answers.

Cultural Anthropology

Tribes, States, and the Global System

Rowman & Littlefield John Bodley's Cultural Anthropology provides students with the anthropological tools to question and understand their own culture and the world. The sixth edition of this dynamic book has been updated and revised throughout, with a shorter length and a more streamlined focus. Updates include material on China and Hindu South Asia combined into a single chapter, a new chapter assessing the imperial world and the breakdown of states, and new examples throughout. In this introduction to the basic concepts of cultural anthropology, Bodley challenges students to consider "big questions" about the nature of cultural systems: What is "natural" and what is "cultural" about humans? What is it like to be human under different cultural conditions, and how do socio-cultural systems of different cultural scales satisfy basic human needs? Are race, language, and environment determinants of culture? What are the human costs and benefits of socioeconomic growth? What have been the major turning points in human history? What role do individuals play in shaping culture? Employing a scale and power approach, the text examines a representative sampling of the world's major cultural areas and dominant civilizations, from Australian Aborigines, Amazonia, and East African pastoralists to Pacific Islanders, Mesopotamia, China, Hindu India, the British Empire, and the United States; these cultures are shown in depth, as adapting, integrated systems—and as part of regional, continental, and global systems. He concludes the text with a wide-ranging assessment of human problems in the contemporary commercial world, emphasizing inequality, poverty, environmental degradation, and sustainability. A complimentary instructor's manual, test bank, and companion website are available to enhance teaching and learning. See "Resources" tab for additional information.

Surgical Atlas of Spinal Operations

JP Medical Ltd This atlas is a comprehensive review of spine surgery, discussing traditional and new techniques. Divided into sections, the first part introduces surgical anatomy. The following sections focus on procedures for different parts of the spine - cervical, thoracic and lumbosacral, to present expanded coverage of all aspects of spine surgery. Each section presents numerous disorders and different surgical techniques for their management. Highly illustrated, each chapter discusses indications for a surgical approach, the most common surgeries, pertinent anatomy, postoperative care and potential complications. Key points are summarised for each chapter. Written by recognised US authors, this atlas is enhanced by 800 full-colour illustrations, clinical pictures and radiographic images. Key points Comprehensive review of spine surgery covering new and traditional techniques Discusses disorders

and surgeries in different spinal sections Key points summarised for each chapter
 Recognised US author team Includes 800 illustrations, clinical pictures and
 radiographic images

The Fundamental Index

A Better Way to Invest

John Wiley & Sons 2008 American Publishers Awards for Professional and Scholarly
 Excellence (The PROSE Awards) Finalist/Honorable mention, Business, Finance &
 Management. The Fundamental Index examines a new approach to indexing that
 can overcome the structural return drag created by traditional capitalization-based
 indexing strategies, and in so doing, enhance the performance of your portfolio.
 Throughout this book, Robert Arnott and his colleagues outline this breakthrough
 strategy and explain how it can be used to improve investment returns, typically at
 lower risk and lower cost than most conventional investments.

Surgical Atlas of Spinal Operations

JAYPEE BROTHERS MEDICAL PUBLISHERS PVT. LTD. This book Surgical Atlas of Spinal
 Operations is divided into several sections in an attempt to provide the reader the
 best understanding of complex topics as well as to facilitate the search for specific
 information on any of these topics. The first section provides a comprehensive
 review of surgical anatomy through a step-by-step description of the most common
 surgical approaches to the spine. Each of these chapters consists of a discussion of
 the indications for using the approach, a review of the pertinent anatomy, a well-
 illustrated description of the surgical approach, a discussion of th.

Seeing Like a State

How Certain Schemes to Improve the Human Condition Have Failed

Yale University Press "One of the most profound and illuminating studies of this
 century to have been published in recent decades."—John Gray, New York Times
 Book Review Hailed as "a magisterial critique of top-down social planning" by the
 New York Times, this essential work analyzes disasters from Russia to Tanzania to
 uncover why states so often fail—sometimes catastrophically—in grand efforts to
 engineer their society or their environment, and uncovers the conditions common to
 all such planning disasters. "Beautifully written, this book calls into sharp relief the
 nature of the world we now inhabit."—New Yorker "A tour de force."— Charles Tilly,
 Columbia University

Statistical Learning with Sparsity

The Lasso and Generalizations

CRC Press Discover New Methods for Dealing with High-Dimensional Data A sparse statistical model has only a small number of nonzero parameters or weights; therefore, it is much easier to estimate and interpret than a dense model. Statistical Learning with Sparsity: The Lasso and Generalizations presents methods that exploit sparsity to help recover the underlying signal in a set of data. Top experts in this rapidly evolving field, the authors describe the lasso for linear regression and a simple coordinate descent algorithm for its computation. They discuss the application of l1 penalties to generalized linear models and support vector machines, cover generalized penalties such as the elastic net and group lasso, and review numerical methods for optimization. They also present statistical inference methods for fitted (lasso) models, including the bootstrap, Bayesian methods, and recently developed approaches. In addition, the book examines matrix decomposition, sparse multivariate analysis, graphical models, and compressed sensing. It concludes with a survey of theoretical results for the lasso. In this age of big data, the number of features measured on a person or object can be large and might be larger than the number of observations. This book shows how the sparsity assumption allows us to tackle these problems and extract useful and reproducible patterns from big datasets. Data analysts, computer scientists, and theorists will appreciate this thorough and up-to-date treatment of sparse statistical modeling.

Affordable Excellence

The Singapore Healthcare Story : how to Create and Manage Sustainable Healthcare Systems

Brookings Institution Press "Today Singapore ranks sixth in the world in healthcare outcomes well ahead of many developed countries, including the United States. The results are all the more significant as Singapore spends less on healthcare than any other high-income country, both as measured by fraction of the Gross Domestic Product spent on health and by costs per person. Singapore achieves these results at less than one-fourth the cost of healthcare in the United States and about half that of Western European countries. Government leaders, presidents and prime ministers, finance ministers and ministers of health, policymakers in congress and parliament, public health officials responsible for healthcare systems planning, finance and operations, as well as those working on healthcare issues in universities and think-tanks should know how this system works to achieve affordable excellence."--

[Publisher's website.](#)

The Hague Judgments Convention and Commonwealth Model Law

A Pragmatic Perspective

[Bloomsbury Publishing](#) This book undertakes a systematic analysis of the 2019 Hague Judgments Convention, the 2005 Hague Choice of Court Convention 2005, and the 2017 Commonwealth Model Law on recognition and Enforcement of Foreign Judgments from a pragmatic perspective. The book builds on the concept of pragmatism in private international law within the context of recognition and enforcement of judgments. It demonstrates the practical application of legal pragmatism by setting up a toolbox (pragmatic goals and methods) that will assist courts and policymakers in developing an effective and efficient judgments' enforcement scheme at national, bilateral and multilateral levels. Practitioners, national courts, policymakers, academics, students and litigants will benefit from the book's comparative approach using case law from the United Kingdom and other leading Commonwealth States, the United States, and the Court of Justice of the European Union. The book also provides interesting findings from the empirical research on the refusal of recognition and enforcement in the UK and the Commonwealth statutory registration schemes respectively.

Computer Organization and Design

RISC-V Edition

The Hardware Software Interface

[Morgan Kaufmann](#) The new RISC-V Edition of Computer Organization and Design features the RISC-V open source instruction set architecture, the first open source architecture designed to be used in modern computing environments such as cloud computing, mobile devices, and other embedded systems. With the post-PC era now upon us, Computer Organization and Design moves forward to explore this generational change with examples, exercises, and material highlighting the emergence of mobile computing and the Cloud. Updated content featuring tablet computers, Cloud infrastructure, and the x86 (cloud computing) and ARM (mobile computing devices) architectures is included. An online companion Web site provides advanced content for further study, appendices, glossary, references, and recommended reading. Features RISC-V, the first such architecture designed to be used in modern computing environments, such as cloud computing, mobile devices, and other embedded systems Includes relevant examples, exercises, and material highlighting the emergence of mobile computing and the cloud

Essential Issues in SOC Design

Designing Complex Systems-on-Chip

Springer Science & Business Media This book originated from a workshop held at the DATE 2005 conference, namely Designing Complex SOCs. State-of-the-art in issues related to System-on-Chip (SoC) design by leading experts in the fields, it covers IP development, verification, integration, chip implementation, testing and software. It contains valuable academic and industrial examples for those involved with the design of complex SOCs.

Policy and Choice

Public Finance Through the Lens of Behavioral Economics

Brookings Institution Press Argues that public finance--the study of the government's role in economics--should incorporate principles from behavior economics and other branches of psychology.

Biotechnology Valuation & Investing

Independently Published The selection of biotech stocks for investment is more difficult compared with the selection of other stocks and industries that possess historical data, since biotechnology is a recently new science. In the first edition of this book, we described the crucial parameters for the valuation of an early stage biotech company without a drug in the market. In this edition, we analyze novel financial models that can value stocks of biotech companies with products in the market or products under development (in pre-clinical and clinical studies). All of these parameters should be helpful to potential new investors when creating a stock portfolio that includes highly promising biotech companies. Our strategy of selecting highly promising stocks based on all parameters described in this book and of performing a basic financial modeling analysis with DFC and/or real options valuation models has proven very successful, as this strategy provides returns higher than 100% in most cases. In the first edition of this book, based on our strategy, we suggested that Juno Therapeutics and Kite Pharma were "hot" stocks. At that time, Kite's stock was \$50.19, while Juno's stock was \$54.21. Since then, Kite's stock reached \$179.79, with the company acquired by Gilead for \$11.9 billion, while Juno's

stock reached \$86.96, with the company acquired by Celgene for \$9 billion. Furthermore, Moderna Therapeutics, a private company that we valued at \$5.5 billion in 2016 based on our real options financial model, today has a \$7.5 billion valuation. This newly revised and expanded version was written to help investors in the selection of biotech stocks based on different scientific and financial criteria.

Introduction to Natural Language Processing

MIT Press A survey of computational methods for understanding, generating, and manipulating human language, which offers a synthesis of classical representations and algorithms with contemporary machine learning techniques. This textbook provides a technical perspective on natural language processing—methods for building computer software that understands, generates, and manipulates human language. It emphasizes contemporary data-driven approaches, focusing on techniques from supervised and unsupervised machine learning. The first section establishes a foundation in machine learning by building a set of tools that will be used throughout the book and applying them to word-based textual analysis. The second section introduces structured representations of language, including sequences, trees, and graphs. The third section explores different approaches to the representation and analysis of linguistic meaning, ranging from formal logic to neural word embeddings. The final section offers chapter-length treatments of three transformative applications of natural language processing: information extraction, machine translation, and text generation. End-of-chapter exercises include both paper-and-pencil analysis and software implementation. The text synthesizes and distills a broad and diverse research literature, linking contemporary machine learning techniques with the field's linguistic and computational foundations. It is suitable for use in advanced undergraduate and graduate-level courses and as a reference for software engineers and data scientists. Readers should have a background in computer programming and college-level mathematics. After mastering the material presented, students will have the technical skill to build and analyze novel natural language processing systems and to understand the latest research in the field.

Decolonizing the History Curriculum in Malaysia and Singapore

Routledge Decolonizing the History Curriculum in Malaysia and Singapore is a unique study in the history of education because it examines decolonization in terms of how it changed the subject of history in the school curriculum of two colonized countries – Malaysia and Singapore. Blackburn and Wu's book analyzes the transition of the subject of history from colonial education to postcolonial education, from the history syllabus upholding the colonial order to the period after independence when the

history syllabus became a tool for nation-building. Malaysia and Singapore are excellent case studies of this process because they once shared a common imperial curriculum in the English language schools that was gradually 'decolonized' to form the basis of the early history syllabuses of the new nation-states (they were briefly one nation-state in the early to mid-1960s). The colonial English language history syllabus was 'decolonized' into a national curriculum that was translated for the Chinese, Malay, and Tamil schools of Malaysia and Singapore. By analyzing the causes and consequences of the dramatic changes made to the teaching of history in the schools of Malaya and Singapore as Britain ended her empire in Southeast Asia, Blackburn and Wu offer fascinating insights into educational reform, the effects of decolonization on curricula, and the history of Malaysian and Singaporean education.

Herleitung und Umsetzung eines passiven Investmentansatzes für Privatanleger in Deutschland

Langfristig anlegen auf wissenschaftlicher Basis

Campus Verlag Die Situation ist so bekannt wie dringlich: Staatliche Rentensysteme können in Zukunft nur noch eine Basisversorgung leisten. Die Bürger müssen daher privat vorsorgen und Vermögen für das Alter bilden. Doch Finanzindustrie und Anleger scheitern meist an dieser Aufgabe. Gerd Kommer identifiziert die Gründe für die Investmentmisere, die sowohl auf der Angebotsseite (Finanzbranche) als auch auf der Nachfrageseite (Privatanleger) liegen. Die Anleger haben häufig ein unzureichendes Verständnis vom theoretischen und empirischen Risiko-Rendite-Zusammenhang und begehen viele unnötige Fehler bei ihren Anlageentscheidungen. Die Finanzbranche beutet diese Irrtümer zu ihren Gunsten aus. Auf Basis dieser Analyse entwickelt Gerd Kommer einen wissenschaftlich basierten Investmentansatz für Privatanleger. Seine Alternative genügt den zahlreichen einschränkenden Bedingungen, die für Privatanleger - anders als für institutionelle Investoren - gelten. Die finanzökonomische Forschung vernachlässigt diese Einschränkungen bisher und gelangt damit oft zu theoretisch interessanten aber für die private Anlegerpraxis wenig relevanten Ergebnissen und Angeboten. Mit Gerd Kommers Investmentansatz können Privatanleger auch in ökonomisch unsicheren Zeiten beruhigt fürs Alter vorsorgen. "Ich freue mich, dass Gerd Kommer mit dieser Arbeit einen in vergleichbarer Tiefe und Spannbreite im deutschsprachigen Raum bisher fehlenden Beitrag zur Herleitung und Umsetzung eines passiven, rein rationalen, prognosefreien Anlageansatzes für die langfristige Vermögensbildung von Privatanlegern geleistet hat." - Prof. Dr. Dr. Helge Peukert, Universität Erfurt

"Kommer legt dar, wie ein Privatanleger mit hoher Wahrscheinlichkeit eine bessere Performance erzielt als mit konventionellen Methoden des aktiven Managements. Die identifizierten Wirkungszusammenhänge gelten gleichermaßen in normalen wie in krisenhaften Kapitalmarktsituationen. Das Wissen, auch auf Ausnahmesituationen an den Kapitalmärkten bestmöglich vorbereitet zu sein, sollte dem Anleger ein Gefühl der Sicherheit geben, das mit keinem anderen mir bekannten Ansatz erzielbar wäre." - Prof. Dr. Olaf Gierhake, Institut für Vermögensschutz, Rapperswil bei Zürich

The Pocket Guide to Medical Retina

Slack The latest installment in SLACK's Pocket Guide series, The Pocket Guide to Medical Retina provides essential information on medical retina diseases along with multimodal imaging of each condition, perfect for medical students, residents, fellows, or comprehensive ophthalmologists. This accessible small handbook covers the basics while allowing readers to quickly synthesize information easily related to clinical encounters. With over 300 high-resolution original figures, The Pocket Guide to Medical Retina is an image-heavy book with succinct text so information can be rapidly distilled. Drs. Jason Hsu and Allen Chiang have created the ultimate quick-summary pocket guide on retinal conditions including: Up-to-date figures, including spectral-domain optical coherence tomography and autofluorescence in addition to color fundus photos Macular diseases Retinal vascular diseases Infectious inflammatory diseases Noninfectious inflammatory diseases Retinal degenerations and dystrophies Pediatric retinal diseases Trauma-related retinopathies Drug-related retinopathies Peripheral retinal diseases Retinal and choroidal tumors With its portable size and plethora of useful information, The Pocket Guide to Medical Retina is a must-have for medical students up to practicing ophthalmologists.

The Signal and the Noise

Why So Many Predictions Fail--but Some Don't

Penguin UPDATED FOR 2020 WITH A NEW PREFACE BY NATE SILVER "One of the more momentous books of the decade." —The New York Times Book Review Nate Silver built an innovative system for predicting baseball performance, predicted the 2008 election within a hair's breadth, and became a national sensation as a blogger—all by the time he was thirty. He solidified his standing as the nation's foremost political forecaster with his near perfect prediction of the 2012 election. Silver is the founder and editor in chief of the website FiveThirtyEight. Drawing on his own groundbreaking work, Silver examines the world of prediction, investigating how we can distinguish a true signal from a universe of noisy data. Most predictions fail, often at great cost to society, because most of us have a poor understanding of probability and uncertainty. Both experts and laypeople mistake more confident

predictions for more accurate ones. But overconfidence is often the reason for failure. If our appreciation of uncertainty improves, our predictions can get better too. This is the “prediction paradox”: The more humility we have about our ability to make predictions, the more successful we can be in planning for the future. In keeping with his own aim to seek truth from data, Silver visits the most successful forecasters in a range of areas, from hurricanes to baseball to global pandemics, from the poker table to the stock market, from Capitol Hill to the NBA. He explains and evaluates how these forecasters think and what bonds they share. What lies behind their success? Are they good—or just lucky? What patterns have they unraveled? And are their forecasts really right? He explores unanticipated commonalities and exposes unexpected juxtapositions. And sometimes, it is not so much how good a prediction is in an absolute sense that matters but how good it is relative to the competition. In other cases, prediction is still a very rudimentary—and dangerous—science. Silver observes that the most accurate forecasters tend to have a superior command of probability, and they tend to be both humble and hardworking. They distinguish the predictable from the unpredictable, and they notice a thousand little details that lead them closer to the truth. Because of their appreciation of probability, they can distinguish the signal from the noise. With everything from the health of the global economy to our ability to fight terrorism dependent on the quality of our predictions, Nate Silver’s insights are an essential read.

The Uninhabitable Earth

Life After Warming

Crown #1 NEW YORK TIMES BESTSELLER • “The Uninhabitable Earth hits you like a comet, with an overflow of insanely lyrical prose about our pending Armageddon.”—Andrew Solomon, author of *The Noonday Demon* With a new afterword It is worse, much worse, than you think. If your anxiety about global warming is dominated by fears of sea-level rise, you are barely scratching the surface of what terrors are possible—food shortages, refugee emergencies, climate wars and economic devastation. An “epoch-defining book” (*The Guardian*) and “this generation’s *Silent Spring*” (*The Washington Post*), *The Uninhabitable Earth* is both a travelogue of the near future and a meditation on how that future will look to those living through it—the ways that warming promises to transform global politics, the meaning of technology and nature in the modern world, the sustainability of capitalism and the trajectory of human progress. *The Uninhabitable Earth* is also an impassioned call to action. For just as the world was brought to the brink of catastrophe within the span of a lifetime, the responsibility to avoid it now belongs to a single generation—today’s. Praise for *The Uninhabitable Earth* “The Uninhabitable Earth is the most terrifying book I have ever read. Its subject is climate change, and its method is scientific, but its mode is Old Testament. The book is a meticulously documented, white-knuckled tour through the cascading catastrophes that will soon engulf our warming planet.”—Farhad Manjoo, *The New York Times* “Riveting. . . .

Some readers will find Mr. Wallace-Wells's outline of possible futures alarmist. He is indeed alarmed. You should be, too."—The Economist "Potent and evocative. . . . Wallace-Wells has resolved to offer something other than the standard narrative of climate change. . . . He avoids the 'eerily banal language of climatology' in favor of lush, rolling prose."—Jennifer Szalai, The New York Times "The book has potential to be this generation's Silent Spring."—The Washington Post "The Uninhabitable Earth, which has become a best seller, taps into the underlying emotion of the day: fear. . . . I encourage people to read this book."—Alan Weisman, The New York Review of Books

Differences That Matter

Social Policy and the Working Poor in the United States and Canada

Cornell University Press This book shines a spotlight on the causes and consequences of working poverty, revealing how the lives of low-wage workers are affected by differences in health care, labor, and social welfare policy in the United States and Canada. Dan Zuberi's conclusions are based on survey data, eighteen months of participant observation fieldwork, and in-depth interviews with seventy-seven hotel employees working in parallel jobs on both sides of the border. Two hotel chains, each with one union and one non-union hotel in Seattle and Vancouver, provide a vivid crossnational comparison because they are similar in so many regards, the one major exception being government policy. Zuberi demonstrates how labor, health, social welfare, and public investment policy affect these hotel workers and their families. His book challenges the myth that globalization necessarily means hospitality jobs must be insecure and pay poverty wages and makes clear the critical role played by government policy in the reduction of poverty and creation of economic equality. Zuberi shows exactly where and how the social policies that distinguish the Canadian welfare state from the U.S. version make a difference in protecting Canadian workers from the hardships that burden low-wage workers in the United States. Differences That Matter, which is filled with first-person accounts, ends with policy recommendations and a call for grassroots community organizing.

Exercise and Cognitive Function

John Wiley & Sons This textbook focuses on the relationship between physical exercise and cognition, a very timely and important topic with major theoretical and practical implications for a number of areas including ageing, neurorehabilitation, depression and dementia. It brings together a wide range of analytical approaches and experimental results to provide a very useful overview and synthesis of this growing field of study. The book is divided into three parts: Part I covers the conceptual, theoretical and methodological underpinnings and issues. Part II focuses

on advances in exercise and cognition research, with appropriate sub-sections on 'acute' and 'chronic' exercise and cognition. Part III presents an overview of the area and makes suggestions for the direction of future research. This text provides a cutting-edge examination of this increasingly important area written by leading experts from around the world. The book will prove invaluable to researchers and practitioners in a number of fields, including exercise science, cognitive science, neuroscience and clinical medicine. Key Features: Unique in-depth investigation of the relationship between physical exercise and brain function. Covers theoretical approaches and experimental results and includes chapters on the latest developments in research design. Examines the effects of both acute and chronic exercise on brain function. International list of contributors, who are leading researchers in their field.

Multidisciplinary Social Networks Research

International Conference, MISNC
2014, Kaohsiung, Taiwan,
September 13-14, 2014.
Proceedings

Springer This book constitutes the refereed proceedings of the 2014 Multidisciplinary International Social Networks Research, MISNC 2014, held in Kaohsiung, Taiwan, in September 2014. The 37 full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on electronic commerce, e-business management, and social networks; social networks issues on sociology, politics and statistics; information technology for social networks analysis and mining; social networks for global eHealth and bio-medics; security, open data, e-learning and other related topics; intelligent data analysis and its applications.

California Style Manual A Handbook of Legal Style for

California Courts and Lawyers : Based on California Style Manual The Secret to Healing Cancer A Chinese Psychiatrist and Family Doctor Presents His Amazing Method for Curing Cancer Through Psychological and Spiritual Growth

New Awareness Network The Secret to Healing Cancer: A Chinese Psychiatrist and Family Doctor Presents His Amazing Method For Curing Cancer Through Psychological And Spiritual Growth by Dr Tien-Sheng Hsu. Dr. Tien-Sheng Hsu is a highly respected medical doctor and psychiatrist in Taiwan who uses a very different approach from traditional medicine. He is the founder of a Holistic Clinic in Taipei which treats cancer, other physical illnesses and mental illness based on the idea that all illness is a reflection of inner problems which disrupt the powerful immune system that is our natural state. This inner dis-ease can be described as unresolved issues, blockages, repressed emotion, habitual negative patterns of thought, or unhealthy behavior that exists in the individual's psychology, life, and heart . Dr Hsu's emphasis is on helping the patient to grow, and heal their psyche and life, and thus reinvigorate and unleash the body's powerful natural healing and recuperative powers. The many people who have dramatically improved or completely healed themselves with the aid of Dr Hsu, have resulted in a burgeoning interest in this approach throughout Asia

Clinical Practice Guidelines For Chronic Kidney Disease Foundations of Machine Learning, second edition

MIT Press A new edition of a graduate-level machine learning textbook that focuses on the analysis and theory of algorithms. This book is a general introduction to machine learning that can serve as a textbook for graduate students and a reference

for researchers. It covers fundamental modern topics in machine learning while providing the theoretical basis and conceptual tools needed for the discussion and justification of algorithms. It also describes several key aspects of the application of these algorithms. The authors aim to present novel theoretical tools and concepts while giving concise proofs even for relatively advanced topics. *Foundations of Machine Learning* is unique in its focus on the analysis and theory of algorithms. The first four chapters lay the theoretical foundation for what follows; subsequent chapters are mostly self-contained. Topics covered include the Probably Approximately Correct (PAC) learning framework; generalization bounds based on Rademacher complexity and VC-dimension; Support Vector Machines (SVMs); kernel methods; boosting; on-line learning; multi-class classification; ranking; regression; algorithmic stability; dimensionality reduction; learning automata and languages; and reinforcement learning. Each chapter ends with a set of exercises. Appendixes provide additional material including concise probability review. This second edition offers three new chapters, on model selection, maximum entropy models, and conditional entropy models. New material in the appendixes includes a major section on Fenchel duality, expanded coverage of concentration inequalities, and an entirely new entry on information theory. More than half of the exercises are new to this edition.

Policing the Police in Asia

Police Oversight in Japan, Hong Kong, and Taiwan

Springer Nature This brief offers an overview of the prevailing debates in police oversight and accountability through an analysis of policing in Hong Kong, Japan, and Taiwan. It places emphasis on three major controversies of oversight: professionalism, representation, and empowerment. Arguing that traditional models do not accurately depict variations in police systems in Asia, the volume aims to bring attention to the implementation of these three concepts and clearly articulate the power relationship within these Asian police oversight mechanisms. This brief will be a useful resource for researchers in policing as well as criminologists, political scientists, and sociologists, particularly those specializing in East Asia.

Behavioral Finance: The Second Generation

CFA Institute Research Foundation Behavioral finance presented in this book is the second-generation of behavioral finance. The first generation, starting in the early 1980s, largely accepted standard finance's notion of people's wants as "rational" wants—restricted to the utilitarian benefits of high returns and low risk. That first generation commonly described people as "irrational"—succumbing to cognitive and

emotional errors and misled on their way to their rational wants. The second generation describes people as normal. It begins by acknowledging the full range of people's normal wants and their benefits—utilitarian, expressive, and emotional—distinguishes normal wants from errors, and offers guidance on using shortcuts and avoiding errors on the way to satisfying normal wants. People's normal wants include financial security, nurturing children and families, gaining high social status, and staying true to values. People's normal wants, even more than their cognitive and emotional shortcuts and errors, underlie answers to important questions of finance, including saving and spending, portfolio construction, asset pricing, and market efficiency.

The Pandemic Divide

How COVID Increased Inequality in America

Duke University Press As COVID-19 made inroads in the United States in spring 2020, a common refrain rose above the din: "We're all in this together." However, the full picture was far more complicated—and far less equitable. Black and Latinx populations suffered illnesses, outbreaks, and deaths at much higher rates than the general populace. Those working in low-paid jobs and those living in confined housing or communities already disproportionately beset by health problems were particularly vulnerable. The contributors to The Pandemic Divide explain how these and other racial disparities came to the forefront in 2020. They explore COVID-19's impact on multiple arenas of daily life—including wealth, health, housing, employment, and education—while highlighting what steps could have been taken to mitigate the full force of the pandemic. Most crucially, the contributors offer concrete public policy solutions that would allow the nation to respond effectively to future crises and improve the long-term well-being of all Americans. Contributors. Fenaba Addo, Steve Amendum, Leslie Babinski, Sandra Barnes, Mary T. Bassett, Keisha Bentley-Edwards, Kisha Daniels, William A. Darity Jr., Melania DiPietro, Jane Dokko, Fiona Greig, Adam Hollowell, Lucas Hubbard, Damon Jones, Steve Knotek, Arvind Krishnamurthy, Henry Clay McKoy Jr., N. Joyce Payne, Erica Phillips, Eugene Richardson, Paul Robbins, Jung Sakong, Marta Sánchez, Melissa Scott, Kristen Stephens, Joe Trotter, Chris Wheat, Gwendolyn L. Wright

Modern B-Tree Techniques

Now Publishers Inc Invented about 40 years ago and called ubiquitous less than 10 years later, B-tree indexes have been used in a wide variety of computing systems from handheld devices to mainframes and server farms. Over the years, many techniques have been added to the basic design in order to improve efficiency or to add functionality. Examples include separation of updates to structure or contents, utility operations such as non-logged yet transactional index creation, and robust

query processing such as graceful degradation during index-to-index navigation. Modern B-Tree Techniques reviews the basics of B-trees and of B-tree indexes in databases, transactional techniques and query processing techniques related to B-trees, B-tree utilities essential for database operations, and many optimizations and improvements. It is intended both as a tutorial and as a reference, enabling researchers to compare index innovations with advanced B-tree techniques and enabling professionals to select features, functions, and tradeoffs most appropriate for their data management challenges.

Primary Retinal Detachment

Options for Repair

Springer Science & Business Media -Compares the 4 main techniques for repair of primary retinal detachment -Written by leading experts in the field -A "hands-on" guide for the retina and vitreous surgeon -Contains instructive, color computer drawings and tables