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REAGAN SIERRA

Handbook of Research on Innovations and Applications of AI, IoT, and Cognitive Technologies Springer

Fooled by Randomness is a standalone book in Nassim Nicholas Taleb's landmark Incerto series, an investigation of opacity, luck, uncertainty, probability, human error, risk, and decision-making in a world we don't understand. The other books in the series are *The Black Swan*, *Antifragile*, *Skin in the Game*, and *The Bed of Procrustes*. Fooled by Randomness is the word-of-mouth sensation that will change the way you think about business and the world. Nassim Nicholas Taleb—veteran trader, renowned risk expert, polymathic scholar, erudite raconteur, and New York Times bestselling author of *The Black Swan*—has written a modern classic that turns on its head what we believe about luck and skill. This book is about luck—or more precisely, about how we perceive and deal with luck in life and business. Set against the backdrop of the most conspicuous forum in which luck is mistaken for skill—the world of trading—Fooled by Randomness provides captivating insight into one of the least understood factors in all our lives. Writing in an entertaining narrative style, the author tackles major intellectual issues related to the underestimation of the influence of happenstance on our lives. The book is populated with an array of characters, some of whom have grasped, in their own way, the significance of chance: the baseball legend Yogi Berra; the philosopher of knowledge Karl Popper; the ancient world's wisest man, Solon; the modern financier George Soros; and the Greek voyager Odysseus. We also meet the fictional Nero, who seems to understand the role of randomness in his professional life but falls victim to his own superstitious foolishness. However, the most recognizable character of all remains unnamed—the lucky fool who happens to be in the right place at the right time—he embodies the “survival of the least fit.” Such individuals attract devoted followers who believe in their guru's insights and methods. But no one can replicate what is obtained by chance. Are we capable of distinguishing the fortunate charlatan from the genuine visionary? Must we always try to uncover nonexistent messages in random events? It may be impossible to guard ourselves against the vagaries of the goddess Fortuna, but after reading *Fooled by Randomness* we can be a little better prepared. Named by Fortune One of the Smartest Books of All Time A Financial Times Best Business Book of the Year

Representational Momentum Springer Nature

A comprehensive guide to running randomized impact evaluations of social programs in developing countries This book provides a comprehensive yet accessible guide to running randomized impact evaluations of social programs. Drawing on the experience of researchers at the Abdul Latif Jameel Poverty Action Lab, which has run hundreds of such evaluations in dozens of countries throughout the world, it offers practical insights on how to use this powerful technique, especially in resource-poor environments. This step-by-step guide explains why and when randomized evaluations are useful, in what situations they should be used, and how to prioritize different evaluation opportunities. It shows how to design and analyze studies that answer important questions while respecting the constraints of those working on and benefiting from the program being evaluated. The book gives concrete tips on issues such as improving the quality of a study despite tight budget constraints, and demonstrates how the results of randomized impact evaluations can inform policy. With its self-contained modules, this one-of-a-kind guide is easy to navigate. It also includes invaluable references and a checklist of the common pitfalls to avoid. Provides the most up-to-date guide to running randomized evaluations of social programs, especially in developing countries Offers practical tips on how to complete high-quality studies in even the most challenging environments Self-contained modules allow for easy reference and flexible teaching and learning Comprehensive yet nontechnical *Successful Randomized Trials* Ballantine Books

Personal Computers Have Become An Essential Part Of The Physics Curricula And Is Becoming An Increasingly Important Tool In The Training Of Students. The Present Book Is An Effort To Provide A Quality And Classroom Tested Resource Material.Salient Features * Topics Have Been Carefully Selected To Give A Flavour Of Computational Techniques In The Context Of A Wide Range Of Physics Problems. * Style Of Presentation Emphasis The Pedagogic Approach, Assuming No Previous Knowledge Of Either Programming In High-Level Language Or Numerical Techniques. * Profusely Illustrated With Diagrams, Graphic Outputs, Programming Hints, Algorithms And Source Codes. * Ideally Suited For Self-Study With A Pc On Desktop. * Accompanied With

A Cd Rom With Source Codes Of Selected Problems Saving The User From Typing In The Source Code. * Can Be Adopted As A Two-Semester Course In Universities Running Courses Such As Computer Applications In Physics, Numerical Methods In Physics Or As An Additional Optional Paper In Nodal Centres Of Computer Applications Provided By Ugc In Different Universities. * Meets The Requirements Of Students Of Physics At Undergraduate And Post-Graduate Level In Particular And Physical Sciences, Engineering And Mathematics Students In General.This Book Is An Outcome Of A Book Project Granted By University Grants Commission New Delhi (India).

Mobile Ad-hoc and Sensor Networks Lippincott Williams & Wilkins

The text covers random graphs from the basic to the advanced, including numerous exercises and recommendations for further reading.

You Have Arrived at Your Destination Jones & Bartlett Learning

Handbook of Neuroemergency Clinical Trials, Second Edition, focuses on the practice of clinical trials in acute neuroscience populations, or what have been called neuroemergencies. Neuroemergencies are complex, life-threatening diseases and disorders, often with devastating consequences, including death or disability. The overall costs are staggering in terms of annual incidence and costs associated with treatment and survival, yet despite their significance as public health issues, there are few drugs and devices available for definitive treatment. The book focuses on novel therapies and the unique challenges their intended targets pose for the design and analysis of clinical trials. This volume provides neurologists, neuroscientists, and drug developers with a more complete understanding of the scientific and medical issues of relevance in designing and initiating clinical development plans for novel drugs intended for acute neuroscience populations. The editors provide the best understanding of the pitfalls associated with acute CNS drug development and the best information on how to approach and solve issues that have plagued drug development. Presents a comprehensive overview on clinical trials and drug development challenges in acute neuroscience populations Provides neurologists, neuroscientists and drug developers with a complete understanding of scientific and medical issues related to designing clinical trials Edited by leaders in the field who have designed and managed over 50 neuroemergency clinical trials *Conference Record* Elsevier

Nominated as one of America's best-loved novels by PBS's The Great American Read Six days ago, astronaut Mark Watney became one of the first people to walk on Mars. Now, he's sure he'll be the first person to die there. After a dust storm nearly kills him and forces his crew to evacuate while thinking him dead, Mark finds himself stranded and completely alone with no way to even signal Earth that he's alive—and even if he could get word out, his supplies would be gone long before a rescue could arrive. Chances are, though, he won't have time to starve to death. The damaged machinery, unforgiving environment, or plain-old "human error" are much more likely to kill him first. But Mark isn't ready to give up yet. Drawing on his ingenuity, his engineering skills—and a relentless, dogged refusal to quit—he steadfastly confronts one seemingly insurmountable obstacle after the next. Will his resourcefulness be enough to overcome the impossible odds against him?

Building Secure Defenses Against Code-Reuse Attacks Ten Speed Graphic

#1 NEW YORK TIMES BESTSELLER • From the author of *The Martian*, a lone astronaut must save the earth from disaster in this “propulsive” (Entertainment Weekly), cinematic thriller full of suspense, humor, and fascinating science—in development as a major motion picture starring Ryan Gosling. HUGO AWARD FINALIST • ONE OF THE YEAR'S BEST BOOKS: Bill Gates, GatesNotes, New York Public Library, Parade, Newsweek, Polygon, Shelf Awareness, She Reads, Kirkus Reviews, Library Journal • “An epic story of redemption, discovery and cool speculative sci-fi.”—USA Today “If you loved *The Martian*, you'll go crazy for Weir's latest.”—The Washington Post Ryland Grace is the sole survivor on a desperate, last-chance mission—and if he fails, humanity and the earth itself will perish. Except that right now, he doesn't know that. He can't even remember his own name, let alone the nature of his assignment or how to complete it. All he knows is that he's been asleep for a very, very long time. And he's just been awakened to find himself millions of miles from home, with nothing but two corpses for company. His crewmates dead, his memories fuzzily returning, Ryland realizes that an impossible task now confronts him. Hurling through space on this tiny ship, it's up to him to puzzle out an impossible scientific mystery—and conquer an extinction-level threat to our species.

And with the clock ticking down and the nearest human being light-years away, he's got to do it all alone. Or does he? An irresistible interstellar adventure as only Andy Weir could deliver, *Project Hail Mary* is a tale of discovery, speculation, and survival to rival *The Martian*—while taking us to places it never dreamed of going.

Randomized Field Experiments in Criminal Justice Agencies World Scientific

In an age where the amount of data collected from brain imaging is increasing constantly, it is of critical importance to analyse those data within an accepted framework to ensure proper integration and comparison of the information collected. This book describes the ideas and procedures that underlie the analysis of signals produced by the brain. The aim is to understand how the brain works, in terms of its functional architecture and dynamics. This book provides the background and methodology for the analysis of all types of brain imaging data, from functional magnetic resonance imaging to magnetoencephalography. Critically, Statistical Parametric Mapping provides a widely accepted conceptual framework which allows treatment of all these different modalities. This rests on an understanding of the brain's functional anatomy and the way that measured signals are caused experimentally. The book takes the reader from the basic concepts underlying the analysis of neuroimaging data to cutting edge approaches that would be difficult to find in any other source. Critically, the material is presented in an incremental way so that the reader can understand the precedents for each new development. This book will be particularly useful to neuroscientists engaged in any form of brain mapping; who have to contend with the real-world problems of data analysis and understanding the techniques they are using. It is primarily a scientific treatment and a didactic introduction to the analysis of brain imaging data. It can be used as both a textbook for students and scientists starting to use the techniques, as well as a reference for practicing neuroscientists. The book also serves as a companion to the software packages that have been developed for brain imaging data analysis. An essential reference and companion for users of the SPM software Provides a complete description of the concepts and procedures entailed by the analysis of brain images Offers full didactic treatment of the basic mathematics behind the analysis of brain imaging data Stands as a compendium of all the advances in neuroimaging data analysis over the past decade Adopts an easy to understand and incremental approach that takes the reader from basic statistics to state of the art approaches such as Variational Bayes Structured treatment of data analysis issues that links different modalities and models Includes a series of appendices and tutorial-style chapters that makes even the most sophisticated approaches accessible

Coding for Data and Computer Communications BoD - Books on Demand

This book constitutes the revised selected papers of the Second International Conference on Networked Systems, NETYS 2014, held in Marrakech, Morocco, in May 2014. The 20 full papers and the 6 short papers presented together with 2 keynotes were carefully reviewed and selected from 80 submissions. They address major topics such as multi-core architectures; concurrent and distributed algorithms; middleware environments; storage clusters; social networks; peer-to-peer networks; sensor networks; wireless and mobile networks; as well as privacy and security measures to protect such networked systems and data from attack and abuse.

Secrecy, Covertness and Authentication in Wireless Communications Springer Science & Business Media

NEW YORK TIMES BESTSELLER • “Hannah examines whether love and commitment are enough to sustain a marriage when two people who have put their individual dreams on ice get a chance to defrost them . . . in fast-moving prose punctuated by snappy asides.”—People Elizabeth and Jackson Shore married young, raised two daughters, and weathered the storms of youth as they built a family. From a distance, their lives look picture perfect. But after the girls leave home, Jack and Elizabeth quietly drift apart. When Jack accepts a wonderful new job, Elizabeth puts her own needs aside to follow him across the country. Then tragedy turns Elizabeth's world upside down. In the aftermath, she questions everything about her life—her choices, her marriage, even her long-forgotten dreams. In a daring move that shocks her husband, friends, and daughters, she lets go of the woman she has become—and reaches out for the woman she wants to be.

Guerrilla Home Recording Ballantine Books

Many texts are excellent sources of knowledge about individual statistical tools, but the art of data analysis is about choosing and using multiple tools. Instead of presenting isolated techniques,

this text emphasizes problem solving strategies that address the many issues arising when developing multivariable models using real data and not standard textbook examples. It includes imputation methods for dealing with missing data effectively, methods for dealing with nonlinear relationships and for making the estimation of transformations a formal part of the modeling process, methods for dealing with "too many variables to analyze and not enough observations," and powerful model validation techniques based on the bootstrap. This text realistically deals with model uncertainty and its effects on inference to achieve "safe data mining".

Networked Systems Artech House

Sethna distills the core ideas of statistical mechanics to make room for new advances important to information theory, complexity, and modern biology. He explores everything from chaos through to life at the end of the universe.

Burris Numerical System - Expressing numbers as a function of space and time. VOLUME 2 Springer Nature

The bestselling author of *The Martian* returns with an irresistible new near-future thriller—a heist story set on the moon. Jasmine Bashara never signed up to be a hero. She just wanted to get rich. Not crazy, eccentric-billionaire rich, like many of the visitors to her hometown of Artemis, humanity's first and only lunar colony. Just rich enough to move out of her coffin-sized apartment and eat something better than flavored algae. Rich enough to pay off a debt she's owed for a long time. So when a chance at a huge score finally comes her way, Jazz can't say no. Sure, it requires her to graduate from small-time smuggler to full-on criminal mastermind. And it calls for a particular combination of cunning, technical skills, and large explosions—not to mention sheer brazen swagger. But Jazz has never run into a challenge her intellect can't handle, and she figures she's got the 'swagger' part down. The trouble is, engineering the perfect crime is just the start of Jazz's problems. Because her little heist is about to land her in the middle of a conspiracy for control of Artemis itself. Trapped between competing forces, pursued by a killer and the law alike, even Jazz has to admit she's in way over her head. She'll have to hatch a truly spectacular scheme to have a chance at staying alive and saving her city. Jazz is no hero, but she is a very good criminal. That'll have to do. Propelled by its heroine's wisecracking voice, set in a city that's at once stunningly imagined and intimately familiar, and brimming over with clever problem-solving and heist-y fun, *Artemis* is another irresistible brew of science, suspense, and humor from #1 bestselling author Andy Weir.

Nonlinear Dynamics Perspective Of Wolfram's New Kind Of Science, A (In 2 Volumes) - Volume II Springer

Visual experience of the world is characterised as much by movement and change as it is by permanence and stability. Understanding how the brain processes dynamic information poses major challenges for theories of cognition and perception. Are dynamic and static objects represented in the same way? How do we extract stability from dynamics? How can we successfully interact with moving objects and overcome the known neural delays of our sensory systems? Representational momentum - the tendency for observers to misremember the stopping point of a perceived event as being further ahead in the depicted direction of motion and/or change - has played an important role in attempts to address such questions. Research on representational momentum has given rise to the concept of "dynamic mental representations", helped popularise a range of

methods for probing memory for visual objects and events, and inspired a broader consideration of anticipation and localisation during perception, cognition, and action. This collection of papers brings together work from many of the leading experts in representational momentum research, and more generally, from the fields of object localization and dynamics. In addition to presenting new findings from behavioural and neuroimaging studies, this collection also includes several new attempts to link this area of work with broader issues in the perception and representation of dynamic objects.

Security, Privacy, and Anonymity in Computation, Communication, and Storage Springer

This is a comprehensive major reference work for our SpringerReference program covering clinical trials. Although the core of the Work will focus on the design, analysis, and interpretation of scientific data from clinical trials, a broad spectrum of clinical trial application areas will be covered in detail. This is an important time to develop such a Work, as drug safety and efficacy emphasizes the Clinical Trials process. Because of an immense and growing international disease burden, pharmaceutical and biotechnology companies continue to develop new drugs. Clinical trials have also become extremely globalized in the past 15 years, with over 225,000 international trials ongoing at this point in time. Principles in Practice of Clinical Trials is truly an interdisciplinary that will be divided into the following areas: 1) Clinical Trials Basic Perspectives 2) Regulation and Oversight 3) Basic Trial Designs 4) Advanced Trial Designs 5) Analysis 6) Trial Publication 7) Topics Related Specific Populations and Legal Aspects of Clinical Trials The Work is designed to be comprised of 175 chapters and approximately 2500 pages. The Work will be oriented like many of our SpringerReference Handbooks, presenting detailed and comprehensive expository chapters on broad subjects. The Editors are major figures in the field of clinical trials, and both have written textbooks on the topic. There will also be a slate of 7-8 renowned associate editors that will edit individual sections of the Reference.

Introduction to Random Graphs Oxford University Press

The two-volume set LNCS 8269 and 8270 constitutes the refereed proceedings of the 19th International Conference on the Theory and Application of Cryptology and Information, Asiacrypt 2013, held in Bengaluru, India, in December 2013. The 54 revised full papers presented were carefully selected from 269 submissions. They are organized in topical sections named: zero-knowledge, algebraic cryptography, theoretical cryptography, protocols, symmetric key cryptanalysis, symmetric key cryptology: schemes and analysis, side-channel cryptanalysis, message authentication codes, signatures, cryptography based upon physical assumptions, multi-party computation, cryptographic primitives, analysis, cryptanalysis and passwords, leakage-resilient cryptography, two-party computation, hash functions. **Modern Adaptive Randomized Clinical Trials** Lulu.com Facilitating Cooperation for Wireless Systems Cooperative Communications: Hardware, Channel & PHY focuses on issues pertaining to the PHY layer of wireless communication networks, offering a rigorous taxonomy of this dispersed field, along with a range of application scenarios for cooperative and distributed schemes, demonstrating how these techniques can be employed. The authors discuss hardware, complexity and power consumption issues, which are vital for understanding what can be realized at the PHY layer, showing how wireless channel

models differ from more traditional models, and highlighting the reliance of PHY algorithm performance on the underlying channel models. Numerous transparent and regenerative relaying protocols are described in detail for a variety of transparent and regenerative cooperative schemes. Key Features: Introduces background, concepts, applications, milestones and thorough taxonomy Identifies the potential in this emerging technology applied to e.g. LTE/WiMAX, WSN Discusses latest wireless channel models for transparent and regenerative protocols Addresses the fundamentals as well as latest emerging PHY protocols Introduces transparent distributed STBC, STTC, multiplexing and beamforming protocols Quantifies regenerative distributed space-time, channel and network coding protocols Explores system optimization, such as distributed power allocation and relay selection Introduces and compares analog and digital hardware architectures Quantifies complexity, memory and power consumption of 3G UMTS & 4G LTE/WiMAX relay Highlights future research challenges within the cooperative communications field This book is an invaluable guide for professionals and researchers in communications fields. It will also be of interest to graduates of communications and electronic engineering courses. It forms part of an entire series dedicated to cooperative wireless systems.

Artemis IGI Global

Details the most important techniques used to make the storage and transmission of data fast, secure, and reliable. Accessible to both specialists and nonspecialists: Avoids complex mathematics **Advances in 3G Enhanced Technologies for Wireless Communications** Psychology Press

Is adaptive randomization always better than traditional fixed-schedule randomization? Which procedures should be used and under which circumstances? What special considerations are required for adaptive randomized trials? What kind of statistical inference should be used to achieve valid and unbiased treatment comparisons following adaptive random

Principles and Practice of Clinical Trials Springer

In a one-of-a-kind graphic novel collaboration between the #1 New York Times bestselling author of *The Martian* and the beloved illustrator behind *Sarah's Scribbles*, *Alice*, *Wendy*, and *Dorothy* team up to save the multiverse, from *Wonderland* to *Neverland* and *Oz*. Originating as fan fiction from the brilliant imagination of Andy Weir, now brought to vivid life by Sarah Andersen, *Cheshire Crossing* is a funny, breakneck, boundlessly inventive journey through classic worlds as you've never seen them before. Years after their respective returns from *Wonderland*, *Neverland*, and *Oz*, the trio meet here, at *Cheshire Crossing*—a boarding school where girls like them learn how to cope with their supernatural experiences and harness their magical world-crossing powers. But *Alice*, *Wendy*, and *Dorothy*—now teenagers, who've had their fill of meddling authority figures—aren't content to sit still in a classroom. Soon they're dashing from one universe to the next, leaving havoc in their wake—and, inadvertently, bringing the *Wicked Witch* and *Hook* together in a deadly supervillain love match. To stop them, the girls will have to draw on all of their powers . . . and marshal a team of unlikely allies from across the magical multiverse. Advance praise for *Cheshire Crossing* "Deliciously funny . . . a shrewd and spirited adaptation that will leave audiences hoping for another installment . . . Andersen's delightful cartoon drawing style meshes perfectly with Weir's prose, allowing the work to broaden its appeal beyond middle graders to young adults and adults."—Kirkus Reviews (starred review)