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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.**

INTENTIONALITY IN SELLARS

A TRANSCENDENTAL ACCOUNT OF FINITE KNOWLEDGE

Routledge **This book argues that Sellars' theory of intentionality can be understood as an advancement of a transcendental philosophical approach. It shows how Sellars develops his theory of intentionality through his engagement with the theoretical philosophy of Immanuel Kant. The book delivers a provocative reinterpretation of one of the most problematic and controversial concepts of Sellars' philosophy: the picturing-relation. Sellars' theory of intentionality addresses the question of how to reconcile two aspects that seem opposed: the non-relational theory of intellectual and linguistic content and a causal-transcendental theory of representation inspired by the philosophy of the early Wittgenstein. The author explains how both parts cohere in a transcendental account of finite knowledge. He claims that this can only be achieved by reading Sellars as committed to a transcendental methodology inspired by Kant. In a final step, he brings his interpretation to bear on the contemporary metaphilosophical debate on pragmatism and expressivism. Intentionality in Sellars will be of interest to scholars of Sellars and Kant, as well as researchers working in philosophy of mind, epistemology, and the history of nineteenth- and twentieth-century philosophy.**

INTRODUCTION TO PROBABILITY

American Mathematical Soc. **This text is designed for an introductory probability course at the university level for sophomores, juniors, and seniors in mathematics, physical and social sciences, engineering, and computer science. It presents a thorough treatment of ideas and techniques necessary for a firm understanding of the subject. The text is also recommended for use in discrete probability courses. The material is organized so that the discrete and continuous probability discussions are presented in a separate, but parallel, manner. This organization does not emphasize an overly rigorous or formal view of probability and therefore offers some strong pedagogical value. Hence, the discrete discussions can sometimes serve to motivate the more abstract continuous probability discussions. Features: Key ideas are developed in a somewhat leisurely style, providing a variety of interesting applications to probability and showing some nonintuitive ideas. Over 600 exercises provide the opportunity for practicing skills and developing a sound understanding of ideas. Numerous historical comments deal with the development of discrete probability. The text includes many computer programs that illustrate the algorithms or the methods of computation for important problems. The book is a beautiful introduction to probability theory at the beginning level. The book contains a lot of examples and an easy development of theory without any sacrifice of rigor, keeping the abstraction to**

a minimal level. It is indeed a valuable addition to the study of probability theory. --Zentralblatt MATH

MIND TOOLS FOR MANAGERS

100 WAYS TO BE A BETTER BOSS

John Wiley & Sons **The manager's must-have guide to excelling in all aspects of the job Mind Tools for Managers helps new and experienced leaders develop the skills they need to be more effective in everything they do. It brings together the 100 most important leadership skills—as voted for by 15,000 managers and professionals worldwide—into a single volume, providing an easy-access solutions manual for people wanting to be the best manager they can be. Each chapter details a related group of skills, providing links to additional resources as needed, plus the tools you need to put ideas into practice. Read beginning-to-end, this guide provides a crash course on the essential skills of any effective manager; used as a reference, its clear organization allows you to find the solution you need quickly and easily. Success in a leadership position comes from results, and results come from the effective coordination of often competing needs: your organization, your client, your team, and your projects. These all demand time, attention, and energy, and keeping everything running smoothly while making the important decisions is a lot to handle. This book shows you how to manage it all, and manage it well, with practical wisdom and expert guidance. Build your ideal team and keep them motivated Make better decisions and boost your strategy game Manage both time and stress to get more done with less Master effective communication, facilitate innovation, and much more Managers wear many hats and often operate under a tremendously diverse set of job duties. Delegation, prioritization, strategy, decision making, communication, problem solving, creativity, time management, project management and stress management are all part of your domain. Mind Tools for Managers helps you take control and get the best out of your team, your time, and yourself.**

REPORT OF THE PRESIDENTIAL COMMISSION ON THE SPACE SHUTTLE CHALLENGER ACCIDENT

DIANE Publishing **Reviews the circumstances surrounding the Challenger accident to establish the probable cause or causes of the accident. Develops recommendations for corrective or other action based upon the Commission1s findings and determinations. Color photos, charts and tables.**

EXPLORING CULTURE

EXERCISES, STORIES AND SYNTHETIC CULTURES

Nicholas Brealey **A masterpiece in intercultural training! Exploring Culture brings Geert Hofstede's five dimensions of national culture to life. Gert Jan Hofstede and his co-authors Paul Pedersen and Geert Hofstede introduce synthetic cultures, the ten "pure" cultural types derived from the extremes of the five dimensions. The result is a playful book of practice that is firmly rooted in theory. Part light, part serious, but always thought-provoking, this unique book approaches training through the three-part process of building awareness, knowledge, and skills. It leads the reader through the first two components with more than 75 activities, dialogues, stories, and incidents. The Synthetic Culture Laboratory and two full simulations fulfill the skill-building component. Exploring Culture is suitable for students, trainers, coaches and educators. It can be used for individual study or as a text, and it serves as an excellent partner to Geert Hofstede's popular Cultures and Organizations.**

WIRELESS AND MOBILE ALL-IP NETWORKS

John Wiley & Sons

THE UNIVERSAL MACHINE

FROM THE DAWN OF COMPUTING TO DIGITAL CONSCIOUSNESS

Springer Science & Business Media **The computer unlike other inventions is universal; you can use a computer for many tasks: writing, composing music, designing buildings, creating movies, inhabiting virtual worlds, communicating... This popular science history isn't just about technology but introduces the pioneers: Babbage, Turing, Apple's Wozniak and Jobs, Bill Gates, Tim Berners-Lee, Mark Zuckerberg. This story is about people and the changes computers have caused. In the future ubiquitous computing, AI, quantum and molecular computing could even make us immortal. The computer has been a radical invention. In less than a single human life computers are transforming economies and societies like no human invention before.**

GAME FEEL

A GAME DESIGNER'S GUIDE TO VIRTUAL SENSATION

CRC Press **"Game Feel" exposes "feel" as a hidden language in game design that no one has fully articulated yet. The language could be compared to the building blocks of music (time signatures, chord progressions, verse) - no matter the instruments, style or time period - these building blocks come into play. Feel and sensation are similar building blocks where game design is concerned. They create the meta-sensation of involvement with a game. The understanding of how game designers create feel, and affect feel are only partially understood by most in the field and tends to be overlooked as a method or course of study, yet a game's feel is central to a game's success. This book brings the subject of feel to light by consolidating existing theories into a cohesive book. The book covers topics like**

the role of sound, ancillary indicators, the importance of metaphor, how people perceive things, and a brief history of feel in games. The associated web site contains a playset with ready-made tools to design feel in games, six key components to creating virtual sensation. There's a play palette too, so the desiger can first experience the importance of that component by altering variables and feeling the results. The playset allows the reader to experience each of the sensations described in the book, and then allows them to apply them to their own projects. Creating game feel without having to program, essentially. The final version of the playset will have enough flexibility that the reader will be able to use it as a companion to the exercises in the book, working through each one to create the feel described.

OPERATIONS IN FINANCIAL SERVICES

PROCESSES, TECHNOLOGIES, AND RISKS

Foundations and Trends in Technology, Information and Operations Management **Operations in Financial Services establishes a framework for this research area from an operations management perspective. The first section presents an introduction and provides an overview of the topic. The second section establishes links between the current state of the art in relevant areas of operations management and operations research and three of the more important aspects of operations in financial services - (i) financial product design and testing, (ii) process delivery design, and (iii) process delivery management. The third section focuses on the current issues that are important in the financial services operations area. These issues center primarily on mobile online banking and trading in a global environment. The fourth section discusses operational risk aspects of financial services. The final section concludes with a discussion on research directions that may become of interest in the future.**

SPRINT

HOW TO SOLVE BIG PROBLEMS AND TEST NEW IDEAS IN JUST FIVE DAYS

Simon and Schuster **From three design partners at Google Ventures, a unique five-day process--called the sprint--for solving tough problems using design, prototyping, and testing ideas with customers.**

TASK FORCE PATRIOT AND THE END OF COMBAT OPERATIONS IN IRAQ

Rowman & Littlefield **In this gripping first-hand account of the final months of combat operations in Iraq in 2010, author Pat Proctor brings his unique, insider perspective to reveal the unique circumstances that put his battalion, Task Force Patriot, in a position to turn the tide of the Iraq war.**

EXCEL 2013: THE MISSING MANUAL

"O'Reilly Media, Inc." **The world's most popular spreadsheet program is now more powerful than ever, but it's also more complex. That's where this Missing Manual comes in. With crystal-clear explanations and hands-on examples, Excel 2013: The Missing Manual shows you how to master Excel so you can easily track, analyze, and chart your data. You'll be using new features like PowerPivot and Flash Fill in no time. The important stuff you need to know: Go from novice to ace. Learn how to analyze your data, from writing your first formula to charting your results. Illustrate trends. Discover the clearest way to present your data using Excel's new Quick Analysis feature. Broaden your analysis. Use pivot tables, slicers, and timelines to examine your data from different perspectives. Import data. Pull data from a variety of sources, including website data feeds and corporate databases. Work from the Web. Launch and manage your workbooks on the road, using the new Excel Web App. Share your worksheets. Store Excel files on SkyDrive and collaborate with colleagues on Facebook, Twitter, and LinkedIn. Master the new data model. Use PowerPivot to work with millions of rows of data. Make calculations. Review financial data, use math and scientific formulas, and perform statistical analyses.**

POVERTY AND SHARED PROSPERITY 2018

PIECING TOGETHER THE POVERTY PUZZLE

World Bank Publications **The World Bank Group has two overarching goals: End extreme poverty by 2030 and promote shared prosperity by boosting the incomes of the bottom 40 percent of the population in each economy. As this year's Poverty and Shared Prosperity report documents, the world continues to make progress toward these goals. In 2015, approximately one-tenth of the world's population lived in extreme poverty, and the incomes of the bottom 40 percent rose in 77 percent of economies studied. But success cannot be taken for granted. Poverty remains high in Sub-Saharan Africa, as well as in fragile and conflict-affected states. At the same time, most of the world's poor now live in middle-income countries, which tend to have higher national poverty lines. This year's report tracks poverty comparisons at two higher poverty thresholds—$3.20 and $5.50 per day—which are typical of standards in lower- and upper-middle-income countries. In addition, the report introduces a societal poverty line based on each economy's median income or consumption. Poverty and Shared Prosperity 2018: Piecing Together the Poverty Puzzle also recognizes that poverty is not only about income and consumption—and it introduces a multidimensional poverty measure that adds other factors, such as access to education, electricity, drinking water, and sanitation. It also explores how inequality within households could affect the global profile of the poor. All these additional pieces enrich our understanding of the poverty puzzle, bringing us closer to solving it. For more information, please visit worldbank.org/PSP**

ENDER'S GAME

Tor Teen **The worldwide bestseller, Ender's Game by Orson Scott Card comes to the screen at last in a major motion picture event in November 2013. Starring Hugo's Asa Butterfield, Harrison Ford, and Ben Kingsley, the movie is sure to inspire a new audience of fans to read the book that started it all. Once again, Earth is under attack. An alien species is poised for a final assault. The survival of humanity depends on a military genius who can defeat the aliens. But who? Ender Wiggin. Brilliant. Ruthless. Cunning. A tactical and strategic master. And a child. Recruited for military training by the world government, Ender's childhood ends the moment he enters his new home: Battle School. Among the elite recruits Ender proves himself to be a genius among geniuses. He excels in simulated war games. But is the pressure and loneliness taking its toll on Ender? Simulations are one thing. How will Ender perform in real combat conditions? After all, Battle School is just a game. Isn't it?**

THE FOURTH PARADIGM

DATA-INTENSIVE SCIENTIFIC DISCOVERY

Microsoft Press **Foreword. A transformed scientific method. Earth and environment. Health and wellbeing. Scientific infrastructure. Scholarly communication.**

THE FOURTH INDUSTRIAL REVOLUTION

Currency **Between the 18th and 19th centuries, Britain experienced massive leaps in technological, scientific, and economical advancement**

ENCYCLOPEDIA OF FINANCE

Springer Science & Business Media **This is a major new reference work covering all aspects of finance. Coverage includes finance (financial management, security analysis, portfolio management, financial markets and instruments, insurance, real estate, options and futures, international finance) and statistical applications in finance (applications in portfolio analysis, option pricing models and financial research). The project is designed to attract both an academic and professional market. It also has an international approach to ensure its maximum appeal. The Editors' wish is that the readers will find the encyclopedia to be an invaluable resource.**

CEH CERTIFIED ETHICAL HACKER STUDY GUIDE

Sybex **Full Coverage of All Exam Objectives for the CEH Exams 312-50 and EC0-350 Thoroughly prepare for the challenging CEH Certified Ethical Hackers exam with this comprehensive study guide. The book provides full coverage of exam topics, real-world examples, and includes a CD with chapter review questions, two full-length practice exams, electronic flashcards, a glossary of key terms, and the entire book in a searchable pdf e-book. What's Inside: Covers ethics and legal issues, footprinting, scanning, enumeration, system hacking, trojans and backdoors, sniffers, denial of service, social engineering, session hijacking, hacking Web servers, Web application vulnerabilities, and more Walks you through exam topics and includes plenty of real-world scenarios to help reinforce concepts Includes a CD with an assessment test, review questions, practice exams, electronic flashcards, and the entire book in a searchable pdf**

BEING DIGITAL

Vintage **In lively, mordantly witty prose, Negroponte decodes the mysteries--and debunks the hype--surrounding bandwidth, multimedia, virtual reality, and the Internet, and explains why such touted innovations as the fax and the CD-ROM are likely to go the way of the BetaMax. "Succinct and readable. . . . If you suffer from digital anxiety . . . here is a book that lays it all out for you."--Newsday.**

BANK 2.0

HOW CUSTOMER BEHAVIOUR AND TECHNOLOGY WILL CHANGE THE FUTURE OF FINANCIAL SERVICES

Brett King **The financial crisis is just beginning for retail institutions. Ninety to ninety-five per cent of bank transactions are executed electronically today. The Internet, ATMs, call centres and smartphones have become mainstream for customers. But banks still classify these as alternative channels and maintain an organisation structure where Branch dominates thinking. Continued technology innovations, Web 2.0, social networking, app phones and mobility are also stretching traditional banking models to the limit. BANK 2.0 reveals why customer behaviour is so rapidly changing, how branches will evolve, why cheques are disappearing, and why your mobile phone will replace your wallet all within the next 10 years.**

GAME THEORY, ALIVE

American Mathematical Soc. **We live in a highly connected world with multiple self-interested agents interacting and myriad opportunities for conflict and cooperation. The goal of game theory is to understand these opportunities. This book presents a rigorous introduction to the mathematics of game theory without losing sight of the joy of the subject. This is done by focusing on theoretical highlights (e.g., at least six Nobel Prize winning results are developed from scratch) and by presenting exciting connections of game theory to other fields such as computer science (algorithmic**

game theory), economics (auctions and matching markets), social choice (voting theory), biology (signaling and evolutionary stability), and learning theory. Both classical topics, such as zero-sum games, and modern topics, such as sponsored search auctions, are covered. Along the way, beautiful mathematical tools used in game theory are introduced, including convexity, fixed-point theorems, and probabilistic arguments. The book is appropriate for a first course in game theory at either the undergraduate or graduate level, whether in mathematics, economics, computer science, or statistics. The importance of game-theoretic thinking transcends the academic setting—for every action we take, we must consider not only its direct effects, but also how it influences the incentives of others.

OFFICIAL GAZETTE OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTS

BRIGGS

ENTERPRISE CLOUD EPUB _1

Microsoft Press **How do you start? How should you build a plan for cloud migration for your entire portfolio? How will your organization be affected by these changes? This book, based on real-world cloud experiences by enterprise IT teams, seeks to provide the answers to these questions. Here, you'll see what makes the cloud so compelling to enterprises; with which applications you should start your cloud journey; how your organization will change, and how skill sets will evolve; how to measure progress; how to think about security, compliance, and business buy-in; and how to exploit the ever-growing feature set that the cloud offers to gain strategic and competitive advantage.**

ARCHITECTURAL RESEARCH METHODS

John Wiley & Sons **A practical guide to research for architects and designers—now updated and expanded! From searching for the best glass to prevent glare to determining how clients might react to the color choice for restaurant walls, research is a crucial tool that architects must master in order to effectively address the technical, aesthetic, and behavioral issues that arise in their work. This book's unique coverage of research methods is specifically targeted to help professional designers and researchers better conduct and understand research. Part I explores basic research issues and concepts, and includes chapters on relating theory to method and design to research. Part II gives a comprehensive treatment of specific strategies for investigating built forms. In all, the book covers seven types of research, including historical, qualitative, correlational, experimental, simulation, logical argumentation, and case studies and mixed methods. Features new to this edition include: Strategies for investigation, practical examples, and resources for additional information A look at current trends and innovations in research Coverage of design studio–based research that shows how strategies described in the book can be employed in real life A discussion of digital media and online research New and updated examples of research studies A new chapter on the relationship between design and research Architectural Research Methods is an essential reference for architecture students and researchers as well as architects, interior designers, landscape architects, and building product manufacturers.**

INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND SOFTWARE ENGINEERING (CSSE 2014)

DEStech Publications, Inc **CSSE2014 proceeding tends to collect the most up-to-date, comprehensive, and worldwide state-of-art knowledge on Computer Science and Software Engineering. All the accepted papers have been submitted to strict peer-review by 2–4 expert referees, and selected based on originality, significance and clarity for the purpose of the conference. The conference program is extremely rich, profound and featuring high-impact presentations of selected papers and additional late-breaking contributions. We sincerely hope that the conference would not only show the participants a broad overview of the latest research results on related fields, but also provide them with a significant platform for academic connection and exchange. The Technical Program Committee members have been working very hard to meet the deadline of review. The final conference program consists of 126 papers divided into 4 sessions.**

METAHUMAN

UNLEASHING YOUR INFINITE POTENTIAL

Harmony **Is it possible to venture beyond daily living and experience heightened states of awareness? Deepak Chopra says that higher consciousness is available here and now. "Metahuman helps us harvest peak experiences so we can see our truth and mold the universe's chaos into a form that brings light to the world."—Dr. Mehmet Oz, attending physician, New York–Presbyterian, Columbia University New York Times bestselling author Deepak Chopra unlocks the secrets to moving beyond our present limitations to access a field of infinite possibilities. How does one do this? By becoming metahuman. To be metahuman, however, isn't science fiction and is certainly not about being a superhero. To be metahuman means to move past the limitation constructed by the mind and enter a new state of awareness where we have deliberate and concrete access to peak experiences that can transform people's lives from the inside out. Humans do this naturally—to a point. For centuries the great artists, scientists, writers, and many so-called ordinary people have gone beyond the everyday physical world. But if we could channel these often bewildering experiences, what would happen? Chopra argues we would wake up to experiences that would blow open your body, mind, and soul. Metahuman invites the reader to walk the path here and now. Waking up, we learn, isn't just about**

mindfulness or meditation. Waking up, to become metahuman, is to expand our consciousness in all that we think, say, and do. By going beyond, we liberate ourselves from old conditioning and all the mental constructs that underlie anxiety, tension, and ego-driven demands. Waking up allows life to make sense as never before. To make this as practical as possible, Chopra ends the book with a 31-day guide to becoming metahuman. Once you wake up, he writes, life becomes transformed, because pure consciousness—which is the field of all possibilities—dawns in your life. Only then does your infinite potential become your personal reality.

ANALOG CIRCUIT DESIGN

A TUTORIAL GUIDE TO APPLICATIONS AND SOLUTIONS

Elsevier **Analog circuit and system design today is more essential than ever before. With the growth of digital systems, wireless communications, complex industrial and automotive systems, designers are challenged to develop sophisticated analog solutions. This comprehensive source book of circuit design solutions will aid systems designers with elegant and practical design techniques that focus on common circuit design challenges. The book's in-depth application examples provide insight into circuit design and application solutions that you can apply in today's demanding designs. Covers the fundamentals of linear/analog circuit and system design to guide engineers with their design challenges Based on the Application Notes of Linear Technology, the foremost designer of high performance analog products, readers will gain practical insights into design techniques and practice Broad range of topics, including power management tutorials, switching regulator design, linear regulator design, data conversion, signal conditioning, and high frequency/RF design Contributors include the leading lights in analog design, Robert Dobkin, Jim Williams and Carl Nelson, among others**

THE STARTUP OWNER'S MANUAL

THE STEP-BY-STEP GUIDE FOR BUILDING A GREAT COMPANY

John Wiley & Sons **More than 100,000 entrepreneurs rely on this book for detailed, step-by-step instructions on building successful, scalable, profitable startups. The National Science Foundation pays hundreds of startup teams each year to follow the process outlined in the book, and it's taught at Stanford, Berkeley, Columbia and more than 100 other leading universities worldwide. Why? The Startup Owner's Manual guides you, step-by-step, as you put the Customer Development process to work. This method was created by renowned Silicon Valley startup expert Steve Blank, co-creator with Eric Ries of the "Lean Startup" movement and tested and refined by him for more than a decade. This 608-page how-to guide includes over 100 charts, graphs, and diagrams, plus 77 valuable checklists that guide you as you drive your company toward profitability. It will help you: • Avoid the 9 deadly sins that destroy startups' chances for success • Use the Customer Development method to bring your business idea to life • Incorporate the Business Model Canvas as the organizing principle for startup hypotheses • Identify your customers and determine how to "get, keep and grow" customers profitably • Compute how you'll drive your startup to repeatable, scalable profits. The Startup Owner's Manual was originally published by K&S Ranch Publishing Inc. and is now available from Wiley. The cover, design, and content are the same as the prior release and should not be considered a new or updated product.**

NATIONAL GUIDE TO EDUCATIONAL CREDIT FOR TRAINING PROGRAMS 2004-2005

Praeger **For more than 25 years, this guide has been the trusted source of information on thousands of educational courses offered by business, labor unions, schools, training suppliers, professional and voluntary associations, and government agencies. These courses provide academic credit to students for learning acquired at such organizations as AT&T, Citigroup, Delta Air Lines, General Motors University, NETg, and Walt Disney World Resort. Each entry in the comprehensive ^INational Guide^R provides: ^L ^L ^DBL Course title ^L ^DBL Location of all sites where the course is offered^L ^DBL Length in hours, days, or weeks ^L ^DBL Period during which the credit recommendation applies^L ^DBL Purpose for which the credit was designed ^L ^DBL Learning outcomes ^L ^DBL Teaching methods, materials, and major subject areas covered^L ^DBL College credit recommendations offered in four categories (by level of degrees) and expressed in semester hours and subject areas(s) in which credit is applicable. ^L ^L The introductory section includes ACE Transcript Service information. For more than 25 years, this guide has been the trusted source of information on thousands of educational courses offered by business, labor unions, schools, training suppliers, professional and voluntary associations, and government agencies. These courses provide academic credit to students for learning acquired at such organizations as AT&T, Citigroup, Delta Air Lines, General Motors University, NETg, and Walt Disney World Resort. Each entry in the comprehensive ^INational Guide^R provides: ^L ^L ^DBL Course title ^L ^DBL Location of all sites where the course is offered^L ^DBL Length in hours, days, or weeks ^L ^DBL Period during which the credit recommendation applies^L ^DBL Purpose for which the credit was designed ^L ^DBL Learning outcomes ^L ^DBL Teaching methods, materials, and major subject areas covered^L ^DBL College credit recommendations offered in four categories (by level of degrees) and expressed in semester hours and subject areas(s) in which credit is applicable. ^L ^L The introductory section includes ACE Transcript Service information.**

FINANCIAL ACCOUNTING

David Spiceland, Wayne Thomas and Don Herrmann have developed a unique text based on over 50 collective years of experience in the classroom. They've brought together best practices like highlighting Common Mistakes, offering frequent Let's Review exercises, integrating the course with a running Continuing Problem, demonstrating the

relevance of the course to non-majors with a Career Corner, and communicating it all in a student-friendly Conversational Writing Style. The new 2nd edition of Financial Accounting, Spiceland, Thomas, Herrmann, has been developed with feedback from over 330 reviewers and focus group participants from across the country. The following list of changes and improvements is a testament to the many hours that reviewers spent analyzing the 1st edition, helping make Financial Accounting, 2nd edition, the best book of its kind.

IDEA MAN

A MEMOIR BY THE COFOUNDER OF MICROSOFT

Penguin **By his early thirties, Paul Allen was a world-famous billionaire-and that was just the beginning. In 2007 and 2008, Time named Paul Allen, the cofounder of Microsoft, one of the hundred most influential people in the world. Since he made his fortune, his impact has been felt in science, technology, business, medicine, sports, music, and philanthropy. His passion, curiosity, and intellectual rigor-combined with the resources to launch and support new initiatives-have literally changed the world. In 2009 Allen discovered that he had lymphoma, lending urgency to his desire to share his story for the first time. In this classic memoir, Allen explains how he has solved problems, what he's learned from his many endeavors-both the triumphs and the failures-and his compelling vision for the future. He reflects candidly on an extraordinary life. The book also features previously untold stories about everything from the true origins of Microsoft to Allen's role in the dawn of private space travel (with SpaceShipOne) and in discoveries at the frontiers of brain science. With honesty, humor, and insight, Allen tells the story of a life of ideas made real.**

INTRODUCTION TO PROBABILITY AND STATISTICS USING R

Lulu.com

AI FOR DATA SCIENCE

ARTIFICIAL INTELLIGENCE FRAMEWORKS AND FUNCTIONALITY FOR DEEP LEARNING, OPTIMIZATION, AND BEYOND

Technics Publications **Master the approaches and principles of Artificial Intelligence (AI) algorithms, and apply them to Data Science projects with Python and Julia code. Aspiring and practicing Data Science and AI professionals, along with Python and Julia programmers, will practice numerous AI algorithms and develop a more holistic understanding of the field of AI, and will learn when to use each framework to tackle projects in our increasingly complex world. The first two chapters introduce the field, with Chapter 1 surveying Deep Learning models and Chapter 2 providing an overview of algorithms beyond Deep Learning, including Optimization, Fuzzy Logic, and Artificial Creativity. The next chapters focus on AI frameworks; they contain data and Python and Julia code in a provided Docker, so you can practice. Chapter 3 covers Apache's MXNet, Chapter 4 covers TensorFlow, and Chapter 5 investigates Keras. After covering these Deep Learning frameworks, we explore a series of optimization frameworks, with Chapter 6 covering Particle Swarm Optimization (PSO), Chapter 7 on Genetic Algorithms (GAs), and Chapter 8 discussing Simulated Annealing (SA). Chapter 9 begins our exploration of advanced AI methods, by covering Convolutional Neural Networks (CNNs) and Recurrent Neural Networks (RNNs). Chapter 10 discusses optimization ensembles and how they can add value to the Data Science pipeline. Chapter 11 contains several alternative AI frameworks including Extreme Learning Machines (ELMs), Capsule Networks (CapsNets), and Fuzzy Inference Systems (FIS). Chapter 12 covers other considerations complementary to the AI topics covered, including Big Data concepts, Data Science specialization areas, and useful data resources to experiment on. A comprehensive glossary is included, as well as a series of appendices covering Transfer Learning, Reinforcement Learning, Autoencoder Systems, and Generative Adversarial Networks. There is also an appendix on the business aspects of AI in data science projects, and an appendix on how to use the Docker image to access the book's data and code. The field of AI is vast, and can be overwhelming for the newcomer to approach. This book will arm you with a solid understanding of the field, plus inspire you to explore further.**

E-LEARNING METHODOLOGIES

A GUIDE FOR DESIGNING AND DEVELOPING E-LEARNING COURSES

Food & Agriculture Org **The "E-Learning Methodologies" guide will support professionals involved in the design and development of e-learning projects and products. The guide reviews the basic concepts of e-learning with a focus on adult learning, and introduces the various activities and roles involved in an e-learning project. The guide covers methodologies and tips for creating interactive content and for facilitating online learning, as well as some of the technologies used to create and deliver e-learning.**

THE KILL CHAIN

DEFENDING AMERICA IN THE FUTURE OF HIGH-TECH WARFARE

Hachette Books **From a former senior advisor to Senator John McCain comes an urgent wake-up call about how new technologies are threatening America's military might. For generations of Americans, our country has been the world's dominant military power. How the US military fights, and the systems and weapons that it fights with, have been uncontested. That old reality, however, is rapidly deteriorating. America's traditional sources of power are eroding amid the emergence of new technologies and the growing military threat posed by rivals such as China. America is at**

grave risk of losing a future war. As Christian Brose reveals in this urgent wake-up call, the future will be defined by artificial intelligence, autonomous systems, and other emerging technologies that are revolutionizing global industries and are now poised to overturn the model of American defense. This fascinating, if disturbing, book confronts the existential risks on the horizon, charting a way for America's military to adapt and succeed with new thinking as well as new technology. America must build a battle network of systems that enables people to rapidly understand threats, make decisions, and take military actions, the process known as "the kill chain." Examining threats from China, Russia, and elsewhere, The Kill Chain offers hope and, ultimately, insights on how America can apply advanced technologies to prevent war, deter aggression, and maintain peace.

THE INNOVATOR'S METHOD

BRINGING THE LEAN START-UP INTO YOUR ORGANIZATION

Harvard Business Review Press **Have you ever come up with an idea for a new product or service but didn't take any action because you thought it would be too risky? Or at work, have you had what you thought could be a big idea for your company—perhaps changing the way you develop or distribute a product, provide customer service, or hire and train your employees? If you have, but you haven't known how to take the next step, you need to understand what the authors call the innovator's method—a set of tools emerging from lean start-up, design thinking, and agile software development that are revolutionizing how new ideas are created, refined, and brought to market. To date these tools have helped entrepreneurs, designers, and software developers manage uncertainty—through cheap and rapid experiments that systematically lower failure rates and risk. But many managers and leaders struggle to apply these powerful tools within their organizations, as they often run counter to traditional managerial thinking and practice. Authors Nathan Furr and Jeff Dyer wrote this book to address that very problem. Following the breakout success of The Innovator's DNA—which Dyer wrote with Hal Gregersen and bestselling author Clay Christensen to provide a framework for generating ideas—this book shows how to make those ideas actually happen, to commercialize them for success. Based on their research inside corporations and successful start-ups, Furr and Dyer developed the innovator's method, an end-to-end process for creating, refining, and bringing ideas to market. They show when and how to apply the tools of their method, how to adapt them to your business, and how to answer commonly asked questions about the method itself, including: How do we know if this idea is worth pursuing? Have we found the right solution? What is the best business model for this new offering? This book focuses on the "how"—how to test, how to validate, and how to commercialize ideas with the lean, design, and agile techniques successful start-ups use. Whether you're launching a start-up, leading an established one, or simply working to get a new product off the ground in an existing company, this book is for you.**

THE COMPREHENSIVE TEXTBOOK OF HEALTHCARE SIMULATION

Springer Science & Business Media **The Comprehensive Textbook of Healthcare Simulation is a cohesive, single-source reference on all aspects of simulation in medical education and evaluation. It covers the use of simulation in training in each specialty and is aimed at healthcare educators and administrators who are developing their own simulation centers or programs and professional organizations looking to incorporate the technology into their credentialing process. For those already involved in simulation, the book will serve as a state-of-the-art reference that helps them increase their knowledge base, expand their simulation program's capabilities, and attract new, additional target learners. Features: • Written and edited by pioneers and experts in healthcare simulation • Personal memoirs from simulation pioneers • Each medical specialty covered • Guidance on teaching in the simulated environment • Up-to-date information on current techniques and technologies • Tips from "insiders" on funding, development, accreditation, and marketing of simulation centers • Floor plans of simulation centers from across the United States • Comprehensive glossary of terminology**

FEYNMAN-KAC FORMULAE

GENEALOGICAL AND INTERACTING PARTICLE SYSTEMS WITH APPLICATIONS

Springer Science & Business Media **This text takes readers in a clear and progressive format from simple to recent and advanced topics in pure and applied probability such as contraction and annealed properties of non-linear semi-groups, functional entropy inequalities, empirical process convergence, increasing propagations of chaos, central limit, and Berry Esseen type theorems as well as large deviation principles for strong topologies on path-distribution spaces. Topics also include a body of powerful branching and interacting particle methods.**

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