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Computer Networking: A Top-Down Approach Featuring the Internet, 3/e The Top-Down Approach to Problem Solving Computer Networking: A Top-Down Approach, Global Edition Landscape Ecology Encyclopedia of the Sciences of Learning Investing From the Top Down: A Macro Approach to Capital Markets Focusing Change to Win Computer Networks Top-down Network Design Algorithms: A Top-down Approach True Kaizen The Business Analysis Handbook Peacebuilding, Memory and Reconciliation Healing Trauma Understanding Microelectronics Climate Adaptation Modelling The Pyramid Principle Believe in People Computer Networking Agile Principles, Patterns, and Practices in C# Principles of Digital Communication Interactive Computer Graphics Making the Matrix Work Programming Pearls Network Warrior Mathematics for Machine Learning Deep Learning for Coders with fastai and PyTorch Drawdown The Linux Kernel Primer Conflicts in Conservation IDIHOM: Industrialization of High-Order Methods - A Top-Down Approach Beyond Behaviours R for Data Science Measure What Matters Organizational Physics - The Science of Growing a Business DSP Integrated Circuits Metallic Nanoparticles Action Science Strategic Value Investing (PB) Multi-Domain Master Data Management

Climate Adaptation Modelling Mar 09 2023 This open access book focuses on an issue only marginally tackled by this literature: the still existing gap between adaptation science and modelling and the possibility to effectively access and exploit the information produced by policy making at different levels, international, national and local. To do so, the book presents the proceedings of a high-level expert workshop on adaptation modelling, integrated with main results from the “ Study on Adaptation Modelling ” (SAM-PS) commissioned by the European Commission's Directorate-General for Climate Action (DG CLIMA) and implemented by the CMCC Foundation – Euro-Mediterranean Centre on Climate Change, in collaboration with the Institute for Environmental Studies (IVM), Deltares, and Paul Watkiss Associates (PWA). What is the latest development in adaptation modelling? Which tools and information are available for adaptation assessment? How much are they practically usable by the policy community? How their uptake by practitioners can be improved? What are the major research gaps in adaptation modelling that needs to be covered in the next future? How? This book addresses these questions presenting the results of a study on adaptation modelling commissioned by the European Commission's Directorate-General for Climate Action (DG CLIMA) enriched by the outcomes of a high-level expert workshop on adaptation also part of the research. This book aspires to provide a useful support to academics, policy makers and practitioners in the field of adaptation to orient them in the expanding adaptation modelling assessment literature and suggest practical ways for its application. This book, mainly addressed to academics, policy makers and practitioners in the field of adaptation, aims to providing orientation in the large and expanding methodological/quantitative literature, presenting novelties, guiding in the practical application of adaptation assessments and suggesting lines for future research. This open access book focuses on an issue only marginally tackled by this literature: the still existing gap between adaptation science and modelling and the possibility to effectively access and exploit the information produced by policy making at different levels, international, national and local. To do so, the book presents the proceedings of a high-level expert workshop on adaptation modelling, integrated with main results from the “ Study on Adaptation Modelling ” (SAM-PS) commissioned by the European Commission's Directorate-General for Climate Action (DG CLIMA) and implemented by the CMCC Foundation – Euro-Mediterranean Centre on Climate Change, in collaboration with the Institute for Environmental Studies (IVM), Deltares, and Paul Watkiss Associates (PWA).

Measure What Matters Aug 22 2021 #1 New York Times Bestseller Legendary venture capitalist John Doerr reveals how the goal-setting system of Objectives and Key Results (OKRs) has helped tech giants from Intel to Google achieve explosive growth—and how it can help any organization thrive. In the fall of 1999, John Doerr met with the founders of a start-up whom he'd just given $12.5 million, the biggest investment of his career. Larry Page and Sergey Brin had amazing technology, entrepreneurial energy, and sky-high ambitions, but no real business plan. For Google to change the

world (or even to survive), Page and Brin had to learn how to make tough choices on priorities while keeping their team on track. They'd have to know when to pull the plug on losing propositions, to fail fast. And they needed timely, relevant data to track their progress—to measure what mattered. Doerr taught them about a proven approach to operating excellence: Objectives and Key Results. He had first discovered OKRs in the 1970s as an engineer at Intel, where the legendary Andy Grove ("the greatest manager of his or any era") drove the best-run company Doerr had ever seen. Later, as a venture capitalist, Doerr shared Grove's brainchild with more than fifty companies. Wherever the process was faithfully practiced, it worked. In this goal-setting system, objectives define what we seek to achieve; key results are how those top-priority goals will be attained with specific, measurable actions within a set time frame. Everyone's goals, from entry level to CEO, are transparent to the entire organization. The benefits are profound. OKRs surface an organization's most important work. They focus effort and foster coordination. They keep employees on track. They link objectives across silos to unify and strengthen the entire company. Along the way, OKRs enhance workplace satisfaction and boost retention. In Measure What Matters, Doerr shares a broad range of first-person, behind-the-scenes case studies, with narrators including Bono and Bill Gates, to demonstrate the focus, agility, and explosive growth that OKRs have spurred at so many great organizations. This book will help a new generation of leaders capture the same magic.

The Business Analysis Handbook Jul 13 2023 FINALIST: Business Book Awards 2020 - Specialist Book Category FINALIST: PMI UK National Project Awards 2019 - Project Management Literature Category The business analyst role can cover a wide range of responsibilities, including the elicitation and documenting of business requirements, upfront strategic work, design and implementation phases. Typical difficulties faced by analysts include stakeholders who disagree or don't know their requirements, handling estimates and project deadlines that conflict, and what to do if all the requirements are top priority. The Business Analysis Handbook offers practical solutions to these and other common problems which arise when uncovering requirements or conducting business analysis. Getting requirements right is difficult; this book offers guidance on delivering the right project results, avoiding extra cost and work, and increasing the benefits to the organization. The Business Analysis Handbook provides an understanding of the analyst role and the soft skills required, and outlines industry standard tools and techniques with guidelines on their use to suit the most appropriate situations. Covering numerous techniques such as Business Process Model and Notation (BPMN), use cases and user stories, this essential guide also includes standard templates to save time and ensure nothing important is missed.

Healing Trauma May 11 2023 Medical researchers have known for decades that survivors of accidents, disaster, and childhood trauma often endure life-long symptoms ranging from anxiety and depression to unexplained physical pain and harmful acting out behaviors. Drawing on nature's lessons, Dr. Levine teaches you each of the essential principles of his four-phase process: you will learn how and where you are storing unresolved distress; how to become more aware of your body's physiological responses to danger; and specific methods to free yourself from trauma.

Computer Networks Nov 17 2023

Algorithms: A Top-down Approach Sep 15 2023 This comprehensive compendium provides a rigorous framework to tackle the daunting challenges of designing correct and efficient algorithms. It gives a uniform approach to the design, analysis, optimization, and verification of algorithms. The volume also provides essential tools to understand algorithms and their associated data structures.This useful reference text describes a way of thinking that eases the task of proving algorithm correctness. Working through a proof of correctness reveals an algorithm's subtleties in a way that a typical description does not. Algorithm analysis is presented using careful definitions that make the analyses mathematically rigorous.Related Link(s)

Interactive Computer Graphics Sep 03 2022 Graphics systems and models. Graphics programming. Input and interaction. Geometric objects and transformations. Viewing, shading. Implementation of a renderer. Hierarchical and object-oriented graphics ...

Focusing Change to Win Dec 18 2023 Why do some companies thrive on change? What increases people's resistance to change? How can change increase competitiveness? To find the answers to these and other questions we survey 1072 business leaders from 80 countries in 19 industry sectors and analyzing over 6,000 comments. From this survey we detail a practical tool set to help you: Compare yourself with successful companies Assess your organization competitiveness Track and

measure change performance Anticipate and minimize employee's resistance Communicate to engage employees effectively. What should readers of this book come away with? Questionnaires designed to engage both formal and informal change management and leadership to rate your organization's performance in terms of measuring change performance, assessing competitive advantage. thriving and surviving through change as well as communicating and implementing change. A process to facilitate leaders in selecting those questions which are most relevant to their change and then reach a consensus on change improvement areas.

Computer Networking Dec 06 2022 Overview: Building on the successful top-down approach of previous editions, the Sixth Edition of Computer Networking continues with an early emphasis on application-layer paradigms and application programming interfaces, encouraging a hands-on experience with protocols and networking concepts. With this edition, Kurose and Ross have revised and modernized treatment of some key chapters to integrate the most current and relevant networking technologies. Networking today involves much more than standards specifying message formats and protocol behaviors-and it is far more interesting. Professors Kurose and Ross focus on describing emerging principles in a lively and engaging manner and then illustrate these principles with examples drawn from Internet architecture.

Peacebuilding, Memory and Reconciliation Jun 12 2023 This book aims to bridge the gap between what are generally referred to as ‘ top-down ’ and ‘ bottom-up ’ approaches to peacebuilding. After the experience of a physical and psychological trauma, the period of individual healing and recovery is intertwined with political and social reconciliation. The prospects for social and political reconciliation are undermined when a ‘ top-down ’ approach is favoured over the ‘ bottom-up strategy ’ - the prioritization of structural stability over societal well-being. Peacebuilding, Memory and Reconciliation explores the inextricable link between psychological recovery and socio-political reconciliation, and the political issues that dominate this relationship. Through an examination of the construction of social narratives about or for peace, the text offers a new perspective on peacebuilding, which challenges and questions the very nature of the dichotomy between ‘ top-down ’ and ‘ bottom-up ’ approaches. This book will be of much interest to students of peacebuilding, peace and conflict studies, social psychology, political science and IR in general.

DSP Integrated Circuits Jun 19 2021 DSP Integrated Circuits establishes the essential interface between theory of digital signal processing algorithms and their implementation in full-custom CMOS technology. With an emphasis on techniques for co-design of DSP algorithms and hardware in order to achieve high performance in terms of throughput, low power consumption, and design effort, this book provides the professional engineer, researcher, and student with a firm foundation in the theoretical as well as the practical aspects of designing high performance DSP integrated circuits. Centered around three design case studies, DSP Integrated Circuits thoroughly details a high-performance FFT processor, a 2-D Discrete Cosine Transform for HDTV, and a wave digital filter for interpolation of the sampling frequency. The case studies cover the essential parts of the design process in a top-down manner, from specification of algorithm design and optimization, scheduling of operations, synthesis of optimal architectures, realization of processing elements, to the floor-planning of the integrated circuit. Details the theory and design of digital filters - particularly wave digital filters, multi-rate digital filters, fast Fourier transforms (FFT's), and discrete cosine transforms (DCT's) Follows three complete "real-world" case studies throughout the book Provides complete coverage of finite word length effects in DSP algorithms In-depth survey of the computational properties of DSP algorithms and their mapping to optimal architectures Outlines DSP architectures and parallel, bit-serial, and distributed arithmetic Presents the design process in a top-down manner and incorporates numerous problems and solutions

Programming Pearls Jul 01 2022 When programmers list their favorite books, Jon Bentley ’ s collection of programming pearls is commonly included among the classics. Just as natural pearls grow from grains of sand that irritate oysters, programming pearls have grown from real problems that have irritated real programmers. With origins beyond solid engineering, in the realm of insight and creativity, Bentley ’ s pearls offer unique and clever solutions to those nagging problems. Illustrated by programs designed as much for fun as for instruction, the book is filled with lucid and witty descriptions of practical programming techniques and fundamental design principles. It is not at all surprising that Programming Pearls has been so highly valued by programmers at every level of experience. In this revision, the first in 14 years, Bentley has substantially updated his essays to

reflect current programming methods and environments. In addition, there are three new essays on testing, debugging, and timing set representations string problems All the original programs have been rewritten, and an equal amount of new code has been generated. Implementations of all the programs, in C or C++, are now available on the Web. What remains the same in this new edition is Bentley ' s focus on the hard core of programming problems and his delivery of workable solutions to those problems. Whether you are new to Bentley ' s classic or are revisiting his work for some fresh insight, the book is sure to make your own list of favorites.

The Top-Down Approach to Problem Solving May 23 2024 Do you have a hard time finding the right solution to the problems in your math, physics, or science textbooks? When solving a problem on your own, do you often get stuck, not knowing what to do next? If so, you may have mistakenly learned to solve problems backwards since grade school. The Top-Down Approach is an effective technique to help you solve all kinds of problems, including those you may be struggling with. Learn this method and watch those problems lose their power over you, so you can concentrate on real, authentic learning. This book is for students at any academic level who are struggling with problems at any subject, including STEM (Science, Technology, Engineering, and Mathematics), and for instructors who would like to improve their students' learning.

Computer Networking: A Top-Down Approach Featuring the Internet, 3/e Jun 24 2024

Principles of Digital Communication Oct 04 2022 A comprehensive text that takes a unique top-down approach to teaching the fundamentals of digital communication for a one-semester course.

Investing From the Top Down: A Macro Approach to Capital Markets Jan 19 2024 Crescenzi makes frequent appearances on CNBC, Bloomberg, and NBC's " Wall Street Journal Report with Maria Bartiromo " and he has acted as advisor to members of the White House The author is a featured columnist for thestreet.com's " Real Money " and has a strong professional following The book covers all major instruments and investment choices

True Kaizen Aug 14 2023 What does it take to manage an organization to success? No matter what industry you are in, an organization is primarily a group of people. This book focuses on that ever-important human element. In the rush to get 'lean', many organizations focus solely on tools for increasing productivity, but where do these tools come from? In this book, Collin McLoughlin and Toshihiko Miura look back on their decades of international consulting experience to examine how organizations around the world have transformed on a cultural level by respecting the people who work within them and leveraging their creativity to solve problems. As our workforce becomes more knowledgeable, skillful, and more perceptive of their needs and wants as employees, the ability to reach the true potential of an organization becomes more and more difficult. Managers must look at each individual element of an equation like this in order to fully understand how to achieve an answer. They must begin to answer more focused questions, such as: 1. How productive is the existing work climate and culture? 2. How do employees, as individuals, navigate the existing work climate? (How do they deal with day-today issues with each other?) 3. Where and how are individuals and their work processes assessed? 4. What obstacles do employees face every day, and are they empowered to fix these obstacles? 5. What role does leadership play at each level of the organization? (Looking at the organization in layers of management.) To address these challenges, this book focuses on three main aspects of leadership and management: 1. Addressing and Improving the Perspective of Management -- The ideas presented in this book are not limited to a certain industry or field of work, but can be applied in any setting because they speak to a universal human element. 2. Exploring and Improving Work Climate -- Organizations are social entities, operating within their own controlled environment. This book will explore the factors that contribute to, and encourage, a positive work climate. 3. Observing and Eliminating Wasteful Work Processes -- Observing wasteful activities and work processes requires a refined perspective. The case studies presented illustrate the How and Why to help refine expertise. This will also lead to the joy and benefits

Beyond Behaviours Oct 24 2021 A PARADIGM SHIFT FOR CAREGIVERS THAT WILL REVOLUTIONIZE THE WAY YOU APPROACH, TREAT OR PARENT A CHILD WITH CHALLENGING OR EXPLOSIVE BEHAVIOURS. When you are confronted with a child who is troubled, disruptive, oppositional, defiant or angry - whether you are a parent or a teacher - it can be difficult to know the best way to support them. Traditional methods of 'shaping' a child's behaviour can often be at best ineffective, at worst distressing, for child and adult alike. Drawing on 30 years of experience, internationally known paediatric psychologist Dr Mona Delahooke describes these troubled behaviours

as the 'tip of the iceberg', important signals that point to deeper, individual differences in the child that we need to understand and address before we can resolve behavioural challenges. Using the very latest neuroscientific research Beyond Behaviours makes the case that many children who can't seem to behave simply don't have the developmental capacity to do so - yet. This book uses neuroscientific findings to help you deconstruct behaviour challenges, and to discover their cause and triggers for your child. It will show you how to apply this knowledge across a variety of behaviour spectrums, from children diagnosed with autism or other forms of neurodiversity, to those who might have been exposed to toxic stress or trauma during their early years. There are practical strategies to implement at every stage, backed up by impactful worksheets and charts, with a strong emphasis not on 'managing' behaviour, but instead on helping children and families build positive experiences to counteract the stress and pressure felt by everybody when you're working, or living, with a child who has behavioural challenges. Accessible, practical, warmly supportive and steeped in research and clinical expertise, Beyond Behaviours offers a break-through book which guides us - parents and caregivers alike - to the realisation that the most important tool in our toolkit is always our connection with the child standing in front of us.

Network Warrior May 31 2022 Pick up where certification exams leave off. With this practical, in-depth guide to the entire network infrastructure, you ' ll learn how to deal with real Cisco networks, rather than the hypothetical situations presented on exams like the CCNA. Network Warrior takes you step by step through the world of routers, switches, firewalls, and other technologies based on the author's extensive field experience. You'll find new content for MPLS, IPv6, VoIP, and wireless in this completely revised second edition, along with examples of Cisco Nexus 5000 and 7000 switches throughout. Topics include: An in-depth view of routers and routing Switching, using Cisco Catalyst and Nexus switches as examples SOHO VoIP and SOHO wireless access point design and configuration Introduction to IPv6 with configuration examples Telecom technologies in the data-networking world, including T1, DS3, frame relay, and MPLS Security, firewall theory, and configuration, as well as ACL and authentication Quality of Service (QoS), with an emphasis on low-latency queuing (LLQ) IP address allocation, Network Time Protocol (NTP), and device failures

The Pyramid Principle Feb 08 2023 This book reveals that the mind automatically sorts information into distinctive pyramidal groupings. However, if any group of ideas are arranged into a pyramid structure in the first place, not only will it save valuable time and effort to write, it will take even less effort to read and comprehend it

Computer Networking: A Top-Down Approach, Global Edition Apr 22 2024 For courses in Networking/Communications. Motivate your students with a top-down, layered approach to computer networking Unique among computer networking texts, the 7th Edition of the popular Computer Networking: A Top Down Approach builds on the author ' s long tradition of teaching this complex subject through a layered approach in a " top-down manner. " The text works its way from the application layer down toward the physical layer, motivating students by exposing them to important concepts early in their study of networking. Focusing on the Internet and the fundamentally important issues of networking, this text provides an excellent foundation for students in computer science and electrical engineering, without requiring extensive knowledge of programming or mathematics. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.

Action Science Apr 17 2021 An overview of today's diverse theoretical and methodological approaches to action and the relationship of action and cognition. The emerging field of action science is characterized by a diversity of theoretical and methodological approaches that share the basic functional belief that evolution has optimized cognitive systems to serve the demands of action. This book brings together the constitutive approaches of action science in a single source, covering the relation of action to such cognitive functions as perception, attention, memory, and volition. Each chapter offers a tutorial-like description of a major line of inquiry, written by a leading scientist in the field. Taken together, the chapters reflect a dynamic and rapidly growing field and provide a forum for comparison and possible integration of approaches. After discussing core questions about how actions

are controlled and learned, the book considers ecological approaches to action science; neurocogntive approaches to action understanding and attention; developmental approaches to action science; social actions, including imitation and joint action; and the relationships between action and the conceptual system (grounded cognition) and between volition and action. An emerging discipline depends on a rich and multifaceted supply of theoretical and methodological approaches. The diversity of perspectives offered in this book will serve as a guide for future explorations in action science. Contributors Lawrence W. Barsalou, Miriam Beisert, Valerian Chambon, Thomas Goschke, Patrick Haggard, Arvid Herwig, Herbert Heuer, Cecilia Heyes, Bernhard Hommel, Glyn W. Humphreys, Richard B. Ivry, Markus Kiefer, Günther Knoblich, Sally A. Linkenauger, Janeen D. Loehr, Peter J. Marshall, Andrew N. Meltzoff, Wolfgang Prinz, Dennis R. Proffitt, Giacomo Rizzolatti, David A. Rosenbaum, Natalie Sebanz, Corrado Sinigaglia, Sandra Sülzenbrück, Jordan A. Taylor, Michael T. Turvey, Claes von Hofsten, Rebecca A. Williamson

Conflicts in Conservation Dec 26 2021 An insightful guide to understanding conflicts over the conservation of biodiversity and groundbreaking strategies to deal with them.

The Linux Kernel Primer Jan 27 2022 Offers a comprehensive view of the underpinnings of the Linux kernel on the Intel x86 and the Power PC.

Organizational Physics - The Science of Growing a Business Jul 21 2021 There are hidden laws at work in every aspect of your business. Understand them, and you can create extraordinary growth. Ignore them, and you run the risk of becoming another statistic. It's become almost cliche: 8 out of every 10 new ventures fail. Of the ones that succeed, how many truly thrive-for the long run? And of those that thrive, how many continually overcome their growth hurdles ... and ultimately scale, with meaning, purpose, and profitability? The answer, sadly, is not many. Author Lex Sisney is on a mission to change that picture. After more than a decade spent leading and coaching high-growth technology companies, Lex discovered that the companies that thrive do so in accordance with 6 Laws - universal principles that govern the success or failure of every individual, team, and organization.

Metallic Nanoparticles May 19 2021 Metallic nanoparticles display fascinating properties that are quite different from those of individual atoms, surfaces or bulk rmaterials. They are a focus of interest for fundamental science and, because of their huge potential in nanotechnology, they are the subject of intense research effort in a range of disciplines. Applications, or potential applications, are diverse and interdisciplinary. They include, for example, use in biochemistry, in catalysis and as chemical and biological sensors, as systems for nanoelectronics and nanostructured magnetism (e.g. data storage devices), where the drive for further miniaturization provides tremendous technological challenges and, in medicine, there is interest in their potential as agents for drug delivery.The book describes the structure of metallic nanoparticles, the experimental and theoretical techniques by which this is determined, and the models employed to facilitate understanding. The various methods for the production of nanoparticles are outlined. It surveys the properties of clusters and the methods of characterisation, such as photoionization, optical spectroscopy, chemical reactivity and magnetic behaviour, and discusses element-specific information that can be extracted by synchrotron-based techniques such as EXAFS, XMCD and XMLD. The properties of clusters can vary depending on whether they are free, deposited on a surface or embedded in a matrix of another material; these issues are explored. Clusters on a surface can be formed by the diffusion and aggregation of atoms; ways of modelling these processes are described. Finally we look at nanotechnology and examine the science behind the potential of metallic nanoparticles in chemical synthesis, catalysis, the magnetic separation of biomolecules, the detection of DNA, the controlled release of molecules and their relevance to data storage.The book addresses a wide audience. There was a huge development of the subject beginning in the mid-1980s where researchers began to study the properties of free nanoparticle and models were developed to describe the observations. The newcomer is introduced to the established models and techniques of the field without the need to refer to other sources to make the material accessible. It then takes the reader through to the latest research and provides a comprehensive list of references for those who wish to pursue particular aspects in more detail. It will also be an invaluable handbook for the expert in a particular aspect of nanoscale research who wishes to acquire knowledge of other areas.The authors are specialists in different aspects of the subject with expertise in physics and chemistry, experimental techniques and computational modelling, and in interdisciplinary research. They have collaborated in research. They have also collaborated in writing this book, with the aim from the outset of making it is a coherent whole rather than a series of

independent loosely connected articles. * Appeals to a wide audience* Provides an introduction to established models and techniques in the field* Comprehensive list of references

Landscape Ecology Mar 21 2024 Landscape Ecology - a rapidly growing science - quantifies the ways ecosystems interact. It establishes links between activities in one region and repercussions in another. Landscape Ecology: A Top-Down Approach serves as a general introduction to this emerging area of study. In this book the authors take a "top down" approach. They believe that

Agile Principles, Patterns, and Practices in C# Nov 05 2022 With the award-winning book Agile Software Development: Principles, Patterns, and Practices, Robert C. Martin helped bring Agile principles to tens of thousands of Java and C++ programmers. Now .NET programmers have a definitive guide to agile methods with this completely updated volume from Robert C. Martin and Micah Martin, Agile Principles, Patterns, and Practices in C#. This book presents a series of case studies illustrating the fundamentals of Agile development and Agile design, and moves quickly from UML models to real C# code. The introductory chapters lay out the basics of the agile movement, while the later chapters show proven techniques in action. The book includes many source code examples that are also available for download from the authors ' Web site. Readers will come away from this book understanding Agile principles, and the fourteen practices of Extreme Programming Spiking, splitting, velocity, and planning iterations and releases Test-driven development, test-first design, and acceptance testing Refactoring with unit testing Pair programming Agile design and design smells The five types of UML diagrams and how to use them effectively Object-oriented package design and design patterns How to put all of it together for a real-world project Whether you are a C# programmer or a Visual Basic or Java programmer learning C#, a software development manager, or a business analyst, Agile Principles, Patterns, and Practices in C# is the first book you should read to understand agile software and how it applies to programming in the .NET Framework.

Believe in People Jan 07 2023 A surprising take on how you can help tackle the really big problems in society – from one of America ' s most successful entrepreneurs. People are looking for a better way. Towering barriers are holding millions of people back, and the institutions that should help everyone rise are not doing the job. Crumbling communities. One-size fits all education. Businesses that rig the economy. Public policy that stifles opportunity and emboldens the extremes. As a result, this country is quickly heading toward a two-tiered society. Today ' s challenges call for nothing short of a paradigm shift – away from a top-down approach that sees people as problems to be managed, toward bottom-up solutions that empower everyone to realize their potential and foster a more inclusive society. Such a shift starts by asking: What would it mean to truly believe in people? Businessman and philanthropist Charles Koch has devoted his life to answering that question. Learn what he ' s discovered during his 60-year career to help you apply the principles of empowerment in your life, in your business, and in society. By learning from the social movements and applying the principles that have enabled social progress throughout history, Koch has achieved more than he dreamed possible – building one of the world ' s most successful companies and founding Stand Together, one of America ' s most innovative philanthropic communities. Stand Together CEO Brian Hooks and Koch show how the only way to solve the really big problems – from poverty and addiction to harmful business practices and destructive public policy – is for each and every one of us to find and take action in our unique role as part of the solution. Full of compelling examples of what works – including several first-person accounts from individuals whose lives have been transformed – Koch and Hooks ' refreshing approach promotes partnership instead of partisanship and speaks to people from different perspectives and all walks of life. They show that no injustice is too tough to overcome if you share a deep belief in people, are willing to unite with anyone to do right, and work to empower others from the bottom up.

Deep Learning for Coders with fastai and PyTorch Mar 29 2022 Deep learning is often viewed as the exclusive domain of math PhDs and big tech companies. But as this hands-on guide demonstrates, programmers comfortable with Python can achieve impressive results in deep learning with little math background, small amounts of data, and minimal code. How? With fastai, the first library to provide a consistent interface to the most frequently used deep learning applications. Authors Jeremy Howard and Sylvain Gugger, the creators of fastai, show you how to train a model on a wide range of tasks using fastai and PyTorch. You ' ll also dive progressively further into deep learning theory to gain a complete understanding of the algorithms behind the scenes. Train models in computer vision, natural language processing, tabular data, and collaborative filtering Learn the latest deep learning techniques that matter most in practice Improve accuracy, speed, and reliability by understanding how deep

learning models work Discover how to turn your models into web applications Implement deep learning algorithms from scratch Consider the ethical implications of your work Gain insight from the foreword by PyTorch cofounder, Soumith Chintala

Top-down Network Design Oct 16 2023 A systems analysis approach to enterprise network design Master techniques for checking the health of an existing network to develop a baseline for measuring performance of a new network design Explore solutions for meeting QoS requirements, including ATM traffic management, IETF controlled-load and guaranteed services, IP multicast, and advanced switching, queuing, and routing algorithms Develop network designs that provide the high bandwidth and low delay required for real-time applications such as multimedia, distance learning, and videoconferencing Identify the advantages and disadvantages of various switching and routing protocols, including transparent bridging, Inter-Switch Link (ISL), IEEE 802.1Q, IGRP, EIGRP, OSPF, and BGP4 Effectively incorporate new technologies into enterprise network designs, including VPNs, wireless networking, and IP Telephony Top-Down Network Design, Second Edition, is a practical and comprehensive guide to designing enterprise networks that are reliable, secure, and manageable. Using illustrations and real-world examples, it teaches a systematic method for network design that can be applied to campus LANs, remote-access networks, WAN links, and large-scale internetworks. You will learn to analyze business and technical requirements, examine traffic flow and QoS requirements, and select protocols and technologies based on performance goals. You will also develop an understanding of network performance factors such as network utilization, throughput, accuracy, efficiency, delay, and jitter. Several charts and job aids will help you apply a top-down approach to network design. This Second Edition has been revised to include new and updated material on wireless networks, virtual private networks (VPNs), network security, network redundancy, modularity in network designs, dynamic addressing for IPv4 and IPv6, new network design and management tools, Ethernet scalability options (including 10-Gbps Ethernet, Metro Ethernet, and Long-Reach Ethernet), and networks that carry voice and data traffic. Top-Down Network Design, Second Edition, has a companion website at http://www.topdownbook.com, which includes updates to the book, links to white papers, and supplemental information about design resources. This book is part of the Networking Technology Series from Cisco Press ¿ which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers.

Mathematics for Machine Learning Apr 29 2022 The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These topics are traditionally taught in disparate courses, making it hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site.

Strategic Value Investing (PB) Mar 17 2021 Benjamin Graham referred to it as his “ margin of safety. ” Seth Klarman favors it over all other investment methods. Warren Buffett uses it to make millions for his investors. It ’ s called value investing, and you can make it work wonders for your portfolio. All you need is money to invest, a little patience—and this book. Strategic Value Investing reveals everything you need to know to build a world-class portfolio using value investing as your north star. Written by experts on valuation and financial analysis, this comprehensive guide breaks it all down into an easy-to-implement process. The authors explain the ins and outs of determining when a stock is undervalued, then purchasing it and selling it for a profit when the rest of the world learns what you knew all along. With Strategic Value Investing, you ’ ll learn how to: Distinguish between the various measures of value, including going concern, replacement value, fair market value, book value, and intrinsic value Identify undervalued companies before everyone else, and know what to look for, what to avoid, when to buy, and when to sell The authors teach you how to establish a dispassionate value investing philosophy tailored to your needs. Equally important, they provide the tools you need to adhere to this often contrarian approach regardless of your emotions or crowd sentiment. Get in

before the crowd—and get out when the price is right with Strategic Value Investing. Praise for Strategic Value Investing “ A book that has much the same character as a good value investor: calm, disciplined, with a grasp both of broad theory and of how to apply it. ” —JOHN AUTHERS, senior investment columnist, Financial Times “ This comprehensive look at valuation techniques is not only insightful, but can be easily put to use by individual and professional investors alike. ” —CHARLES ROTBLUT, CFA, Vice President, the American Association of Individual Investors “ Offers a sound fundamental perspective for those looking to deepen their analysis around stocks. A great resource for all types of value investors. ” —HEATHER BRILLIANT, CFA, global head of equity research at Morningstar and member of the CFA Institute Board of Governors “ This book is of Real Value! It updates the pioneering work of Ben Graham and Phillip Fisher, blending the valuation techniques of the masters (such as Warren Buffett) and provides institutional and individual investors the A to Z of value investing from a practitioner perspective. ” —JOHN MAGINN, CFA, EVP & CIO, Mutual of Omaha (retired) and coeditor of Managing Investment Portfolios “ An actionable road map for implementing a disciplined value investing strategy. Very much in the Ben Graham style. The sophisticated individual investor will find this comprehensive digest a continual and timeless reference. ” —WALLACE FORBES, CFA, President of Forbes Investors Advisory Institute, Division of Forbes magazine “ Many books propose to help you learn how to become a better value investor. This one, which is bound to become a staple of every value investor ’ s library, delivers on its promise. ” —ROBERT POWELL, editor of Retirement Weekly and columnist of “ MarketWatch ”

IDIHOM: Industrialization of High-Order Methods - A Top-Down Approach Nov 24 2021 The book describes the main findings of the EU-funded project IDIHOM (Industrialization of High-Order Methods – A Top-Down Approach). The goal of this project was the improvement, utilization and demonstration of innovative higher-order simulation capabilities for large-scale aerodynamic application challenges in the aircraft industry. The IDIHOM consortium consisted of 21 organizations, including aircraft manufacturers, software vendors, as well as the major European research establishments and several universities, all of them with proven expertise in the field of computational fluid dynamics. After a general introduction to the project, the book reports on new approaches for curved boundary-grid generation, high-order solution methods and visualization techniques. It summarizes the achievements, weaknesses and perspectives of the new simulation capabilities developed by the project partners for various industrial applications, and includes internal- and external-aerodynamic as well as multidisciplinary test cases.

Encyclopedia of the Sciences of Learning Feb 20 2024 Over the past century, educational psychologists and researchers have posited many theories to explain how individuals learn, i.e. how they acquire, organize and deploy knowledge and skills. The 20th century can be considered the century of psychology on learning and related fields of interest (such as motivation, cognition, metacognition etc.) and it is fascinating to see the various mainstreams of learning, remembered and forgotten over the 20th century and note that basic assumptions of early theories survived several paradigm shifts of psychology and epistemology. Beyond folk psychology and its na ï ve theories of learning, psychological learning theories can be grouped into some basic categories, such as behaviorist learning theories, connectionist learning theories, cognitive learning theories, constructivist learning theories, and social learning theories. Learning theories are not limited to psychology and related fields of interest but rather we can find the topic of learning in various disciplines, such as philosophy and epistemology, education, information science, biology, and – as a result of the emergence of computer technologies – especially also in the field of computer sciences and artificial intelligence. As a consequence, machine learning struck a chord in the 1980s and became an important field of the learning sciences in general. As the learning sciences became more specialized and complex, the various fields of interest were widely spread and separated from each other; as a consequence, even presently, there is no comprehensive overview of the sciences of learning or the central theoretical concepts and vocabulary on which researchers rely. The Encyclopedia of the Sciences of Learning provides an up-to-date, broad and authoritative coverage of the specific terms mostly used in the sciences of learning and its related fields, including relevant areas of instruction, pedagogy, cognitive sciences, and especially machine learning and knowledge engineering. This modern compendium will be an indispensable source of information for scientists, educators, engineers, and technical staff active in all fields of learning. More specifically, the Encyclopedia provides fast access to the most relevant theoretical terms provides up-to-date, broad

and authoritative coverage of the most important theories within the various fields of the learning sciences and adjacent sciences and communication technologies; supplies clear and precise explanations of the theoretical terms, cross-references to related entries and up-to-date references to important research and publications. The Encyclopedia also contains biographical entries of individuals who have substantially contributed to the sciences of learning; the entries are written by a distinguished panel of researchers in the various fields of the learning sciences.

Multi-Domain Master Data Management Feb 13 2021 Multi-Domain Master Data Management delivers practical guidance and specific instruction to help guide planners and practitioners through the challenges of a multi-domain master data management (MDM) implementation. Authors Mark Allen and Dalton Cervo bring their expertise to you in the only reference you need to help your organization take master data management to the next level by incorporating it across multiple domains. Written in a business friendly style with sufficient program planning guidance, this book covers a comprehensive set of topics and advanced strategies centered on the key MDM disciplines of Data Governance, Data Stewardship, Data Quality Management, Metadata Management, and Data Integration. Provides a logical order toward planning, implementation, and ongoing management of multi-domain MDM from a program manager and data steward perspective. Provides detailed guidance, examples and illustrations for MDM practitioners to apply these insights to their strategies, plans, and processes. Covers advanced MDM strategy and instruction aimed at improving data quality management, lowering data maintenance costs, and reducing corporate risks by applying consistent enterprise-wide practices for the management and control of master data.

R for Data Science Sep 22 2021 Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, R for Data Science is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: Wrangle—transform your datasets into a form convenient for analysis Program—learn powerful R tools for solving data problems with greater clarity and ease Explore—examine your data, generate hypotheses, and quickly test them Model—provide a low-dimensional summary that captures true "signals" in your dataset Communicate—learn R Markdown for integrating prose, code, and results

Making the Matrix Work Aug 02 2022 Gives individuals and managers working in the matrix the tools to take control of their own goals and support others

Drawdown Feb 25 2022 • New York Times bestseller • The 100 most substantive solutions to reverse global warming, based on meticulous research by leading scientists and policymakers around the world “ At this point in time, the Drawdown book is exactly what is needed; a credible, conservative solution-by-solution narrative that we can do it. Reading it is an effective inoculation against the widespread perception of doom that humanity cannot and will not solve the climate crisis. Reported by-effects include increased determination and a sense of grounded hope. ” —Per Espen Stoknes, Author, What We Think About When We Try Not To Think About Global Warming “ There ’ s been no real way for ordinary people to get an understanding of what they can do and what impact it can have. There remains no single, comprehensive, reliable compendium of carbon-reduction solutions across sectors. At least until now. . . . The public is hungry for this kind of practical wisdom. ” —David Roberts, Vox “ This is the ideal environmental sciences textbook—only it is too interesting and inspiring to be called a textbook. ” —Peter Kareiva, Director of the Institute of the Environment and Sustainability, UCLA In the face of widespread fear and apathy, an international coalition of researchers, professionals, and scientists have come together to offer a set of realistic and bold solutions to climate change. One hundred techniques and practices are described here—some are well known; some you may have never heard of. They range from clean energy to educating girls in lower-income countries to land use practices that pull carbon out of the air. The solutions exist, are economically viable, and communities throughout the world are currently enacting them with skill and determination. If deployed collectively on a global scale over the next thirty years, they represent a credible path forward, not just to slow the earth ’ s warming but to reach drawdown, that point in time

when greenhouse gases in the atmosphere peak and begin to decline. These measures promise cascading benefits to human health, security, prosperity, and well-being—giving us every reason to see this planetary crisis as an opportunity to create a just and livable world.

Understanding Microelectronics Apr 10 2023 The microelectronics evolution has given rise to many modern benefits but has also changed design methods and attitudes to learning. Technology advancements shifted focus from simple circuits to complex systems with major attention to high-level descriptions. The design methods moved from a bottom-up to a top-down approach. For today ' s students, the most beneficial approach to learning is this top-down method that demonstrates a global view of electronics before going into specifics. Franco Maloberti uses this approach to explain the fundamentals of electronics, such as processing functions, signals and their properties. Here he presents a helpful balance of theory, examples, and verification of results, while keeping mathematics and signal processing theory to a minimum. Key features: Presents a new learning approach that will greatly improve students ' ability to retain key concepts in electronics studies Match the evolution of Computer Aided Design (CAD) which focuses increasingly on high-level design Covers sub-functions as well as basic circuits and basic components Provides real-world examples to inspire a thorough understanding of global issues, before going into the detail of components and devices Discusses power conversion and management; an important area that is missing in other books on the subject End-of-chapter problems and self-training sections support the reader in exploring systems and understanding them at increasing levels of complexity Inside this book you will find a complete explanation of electronics that can be applied across a range of disciplines including electrical engineering and physics. This comprehensive introduction will be of benefit to students studying electronics, as well as their lecturers and professors. Postgraduate engineers, those in vocational training, and design and application engineers will also find this book useful.

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