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Cognitive Load Theory

ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- In *Statistics for Business: Decision Making and Analysis*, authors Robert Stine and Dean Foster of the University of Pennsylvania's Wharton School, take a sophisticated approach to teaching statistics in the context of making good business decisions. The authors show students how to recognize and understand each business question, use statistical tools to do the analysis, and how to communicate their results clearly and concisely. In addition to providing cases and real data to demonstrate real business situations, this text provides resources to support understanding and engagement. A successful problem-solving framework in the 4-M Examples (Motivation, Method, Mechanics, Message) model a clear outline for solving problems, new What Do You Think questions give students an opportunity to stop and check their understanding as they read, and new learning objectives guide students through each

chapter and help them to review major goals. Software Hints provide instructions for using the most up-to-date technology packages. The Second Edition also includes expanded coverage and instruction of Excel® 2010.

Fatherhood

IBM® Spectrum Virtualize Software Version 7.8 provides software-defined storage capabilities across various platforms, including IBM SAN Volume Controller, IBM Storwize® V7000, Storwize V7000 (Unified), Storwize V5000, Storwize V3700, and Storwize V3500. These offerings help clients reduce the complexities and cost of managing their storage in the following ways: Centralizing management of storage volumes to enable administrators to manage storage volumes from a single point Improving utilization of storage capacity with virtual volumes to enable businesses to tap into previously unused disk capacity Avoiding downtime for backups, maintenance, and upgrades Performing data migration without disruption to applications Enabling all storage devices to be organized into storage pools from which virtual volumes, whether standard, compressed, or thin-provisioned, are created with the characteristics that you want Delivering automation of storage management with SmartCloud Virtual Storage Center, IBM Tivoli® Storage Productivity Center (as applicable by platform), and IBM Tivoli Storage FlashCopy® Manager (as applicable by platform) Increasing the performance efficiency of storage pools with IBM Easy Tier® Restoring data access quickly with near and remote copy capabilities across Fibre Channel (FC), Fibre Channel over Ethernet (FCoE), and IP networks In this IBM Redbooks® publication, which is aimed at storage administrators and technical professionals, we describe the IBM HyperSwap® capability in IBM Spectrum™ Virtualize Software V7.8. HyperSwap delivers high availability (HA) and disaster recovery (DR) in one solution and reuses capital investments to achieve a range of recovery and management options that are transparent to host operations. This book describes how you can use HyperSwap with VMware to create an environment that can withstand robust workloads.

Mobile Design Pattern Gallery

All neuropsychologists need to know how to produce evidence-based reports. This book brings together experts to provide an in-depth guide to high-quality report writing in a range of contexts, including evaluations of older adults, psychiatric patients, those with complex medical conditions, schoolchildren, and others. It reviews the fundamental elements of a clinical neuropsychological report and shows how to tailor findings, conclusions, and recommendations to particular audiences, such as referring physicians, school professionals, and legal decision makers. Of special utility, every chapter features excerpts of sample reports, including examples of strong and poor documentation of the same material.

Neuropsychological Report Writing

"This book is a collection of eleven essays devoted to the work of Ramon del Valle-Inclan (1866-1936). Long the recipient of critical analyses from various perspectives, Valle-Inclan's writing has nevertheless been virtually neglected in the gender-based criticism that has given rise to important studies of his contemporaries in other European literatures. This means that his diverse female characters have not been fully examined, that many scholars continue to consider him an unqualified misogynist, and that a marked effort to surmount gender constraints, present throughout his work, has not been acknowledged, much less explicated. This lack of study is intimately related to a much broader lacuna in Hispanic literature and scholarship, for the working of gender norms and their interaction with economic, religious, and political institutions inscribed in the literature of turn-of-the-century Spain have only recently begun to receive detailed study." "The essays in this volume identify, explore, and interrogate issues of gender with respect to Valle-Inclan's writing. The results offer an altered portrait of Valle-Inclan in which attitudes attributed to him are questioned and reevaluated. In particular, studies of several strong female characters indicate that he envisioned a far more complex role for women than has formerly been recognized." "Three previously published essays were chosen to provide a grounding in work on gender and Valle-Inclan. The remaining essays were written for this volume. As an orientation for the reader and in order to assure that the collection will be of use and interest to non-Hispanists as well as specialized readers, an introduction to the collection defines the intentions of the editors, discusses the essays with respect to current criticism, and places Valle-Inclan and his writing in turn-of-the-century Spanish history and aesthetics. As a whole, the collection reads as far more than the sum of its individual essays, prompting a fuller appreciation of both Valle-Inclan and the social and cultural system to which he belongs."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

T. S. Eliot, Anti-Semitism, and Literary Form

Unlike most probability textbooks, which are only truly accessible to mathematically-oriented students, Ward and Gundlach's Introduction to Probability reaches out to a much wider introductory-level audience. Its conversational style, highly visual approach, practical examples, and step-by-step problem solving procedures help all kinds of students understand the basics of probability theory and its broad applications. The book was extensively class-tested through its preliminary edition, to make it even more effective at building confidence in students who have viable problem-solving potential but are not fully comfortable in the culture of mathematics.

Successful Industrial Experimentation

"[Keating] chronicles efforts to break down suburban racial barriers in housing throughout the United States. Keating's data also point up our urgent need to focus public policy on depopulated and increasingly impoverished and homogeneous urban centers. As he convincingly demonstrates, private and government attempts at suburban integration, as well as special

urban integrationist projects, have achieved spotty results at best." --Publishers Weekly Whether through affirmative housing policies or mandatory legislation, there have been numerous efforts to integrate America's neighborhoods, especially the historically white, affluent suburbs. Though much of suburbia has rejected such measures out of a fear of losing their communities to an influx of low-income, inner-city, and primarily African American residents, several metropolitan areas have been successful in creating greater racial diversity. W. Dennis Keating documents the desirability, feasibility, and legality of implementing housing diversity policies in the suburbs. At the heart of this book is the troubling dilemma that the private housing market will inevitably resist race-conscious policies that can be effective only if embraced and supported by individual home buyers and renters, politicians, realtors, financial institutions, and insurers. In the Cleveland, Ohio, metropolitan area, pro-integrative policies have resulted in some examples of long-term racial diversity, particularly in Cleveland Heights and Shaker Heights. Keating compares Cleveland's suburbs to suburbs around the country that have both failed and succeeded in reducing housing discrimination. While there have been occasional fair housing victories over the last three decades, Keating's analysis points toward strategies for greater progress in the future.

Essential Genetics and Genomics

In the mid-1990s, the formerly pliant Indonesian Democratic Party (PDI) was transformed into an active opposition party by Megawati Sukarnoputri (now President of Indonesia). The subsequent backlash from the Suharto regime ultimately led to its downfall.

The Suburban Racial Dilemma

This IBM® Redpaper™ publication will help you install, tailor, and configure IBM OMEGAMON® for JVM on IBM z/OS®. You can use OMEGAMON to recognize and resolve problems in monitoring Java resources on z/OS, including within IBM CICS®, IBM IMSTM, and z/OS Connect EE regions. A discussion on the growth of Java on z/OS is provided and explanation on the reasons why monitoring Java resources is critical to any modern z/OS environment.

Java EE 8 Design Patterns and Best Practices

The book is about calorimetry and thermal analysis methods, alone or linked to other techniques, as applied to the characterization of catalysts, supports and adsorbents, and to the study of catalytic reactions in various domains: air and wastewater treatment, clean and renewable energies, refining of hydrocarbons, green chemistry, hydrogen production and storage. The book is intended to fill the gap between the basic thermodynamic and kinetics concepts acquired by students during their academic formation, and the use of experimental techniques such as thermal analysis and calorimetry to

answer practical questions. Moreover, it supplies insights into the various thermal and calorimetric methods which can be employed in studies aimed at characterizing the physico-chemical properties of solid adsorbents, supports and catalysts, and the processes related to the adsorption desorption phenomena of the reactants and/or products of catalytic reactions. The book also covers the basic concepts for physico-chemical comprehension of the relevant phenomena. Thermodynamic and kinetic aspects of the catalytic reactions can be fruitfully investigated by means of thermal analysis and calorimetric methods, in order to better understand the sequence of the elemental steps in the catalysed reaction. So the fundamental theory behind the various thermal analysis and calorimetric techniques and methods also are illustrated.

Urban Process and Power

You have more information at hand about your business environment than ever before. But are you using it to “out-think” your rivals? If not, you may be missing out on a potent competitive tool. In *Competing on Analytics: The New Science of Winning*, Thomas H. Davenport and Jeanne G. Harris argue that the frontier for using data to make decisions has shifted dramatically. Certain high-performing enterprises are now building their competitive strategies around data-driven insights that in turn generate impressive business results. Their secret weapon? Analytics: sophisticated quantitative and statistical analysis and predictive modeling. Exemplars of analytics are using new tools to identify their most profitable customers and offer them the right price, to accelerate product innovation, to optimize supply chains, and to identify the true drivers of financial performance. A wealth of examples—from organizations as diverse as Amazon, Barclay’s, Capital One, Harrah’s, Procter & Gamble, Wachovia, and the Boston Red Sox—illuminate how to leverage the power of analytics.

Murambi

An Overview of a Rapidly Expanding Area in Chemistry Exploring the future in chemical analysis research, *Ionic Liquids in Chemical Analysis* focuses on materials that promise entirely new ways to perform solution chemistry. It provides a broad overview of the applications of ionic liquids in various areas of analytical chemistry, in

Cattle Bring Us to Our Enemies

In *Impasse of the Angels*, Stefania Pandolfo takes the critical engagement of anthropology to its limit by presenting the relationship between observer and observed as one of interacting equals and mutually constituting subjects. Narrating, debating, and imagining, real characters take center stage and, through their act of speech, invent a people rather than stand for it. Exploring what it means to be a subject in the historical and poetic imagination of a Moroccan society, *Impasse of the Angels* listens to dissonant and often idiosyncratic voices elaborate the fractures, wounds, and contradictions of the

Maghribi postcolonial present. Passionate and lyric, ironic and tragic, it is a transformative narrative experiment traveling the boundary of ethnography and fiction.

Asset Building & Community Development

Coastal Ocean Observing Systems provides state-of-the-art scientific and technological knowledge in coastal ocean observing systems, along with guidance on establishing, restructuring, and improving similar systems. The book is intended to help oceanographers understand, identify, and recognize how oceanographic research feeds into the various designs of ocean observing systems. In addition, readers will learn how ocean observing systems are defined and how each system operates in relation to its geographical, environmental, and political region. The book provides further insights into all of these problem areas, offering lessons learned and results from the types of research sponsored and utilized by ocean observing systems and the types of research design and experiments conducted by professionals specializing in ocean research and affiliated with observing systems. Includes international contributions from individuals working in academia, management, and industry Showcases the application of science and technology in coastal observing systems Highlights lessons learned on partnerships, governance structure, data management, and stakeholder relationships required for successful implementation Provides insight into how ocean research transfers to application and societal benefit

An Introduction to Credit Risk Modeling

Over the last 25 years, cognitive load theory has become one of the world's leading theories of instructional design. It is heavily researched by many educational and psychological researchers and is familiar to most practicing instructional designers, especially designers using computer and related technologies. The theory can be divided into two aspects that closely inter-relate and influence each other: human cognitive architecture and the instructional designs and prescriptions that flow from that architecture. The cognitive architecture is based on biological evolution. The resulting description of human cognitive architecture is novel and accordingly, the instructional designs that flow from the architecture also are novel. All instructional procedures are routinely tested using randomized, controlled experiments. Roughly 1/3 of the book will be devoted to cognitive architecture and its evolutionary base with 2/3 devoted to the instructional implications that follow, including technology-based instruction. Researchers, teachers and instructional designers need the book because of the explosion of interest in cognitive load theory over the last few years. The theory is represented in countless journal articles but a detailed, modern overview presenting the theory and its implications in one location is not available.

European Cinemas in the Television Age

Arc Routing: Theory, Solutions and Applications is about arc traversal and the wide variety of arc routing problems, which has had its foundations in the modern graph theory work of Leonhard Euler. Arc routing methods and computation has become a fundamental optimization concept in operations research and has numerous applications in transportation, telecommunications, manufacturing, the Internet, and many other areas of modern life. The book draws from a variety of sources including the traveling salesman problem (TSP) and graph theory, which are used and studied by operations research, engineers, computer scientists, and mathematicians. In the last ten years or so, there has been extensive coverage of arc routing problems in the research literature, especially from a graph theory perspective; however, the field has not had the benefit of a uniform, systematic treatment. With this book, there is now a single volume that focuses on state-of-the-art exposition of arc routing problems, that explores its graph theoretical foundations, and that presents a number of solution methodologies in a variety of application settings. Moshe Dror has succeeded in working with an elite group of ARC routing scholars to develop the highest quality treatment of the current state-of-the-art in arc routing.

Asia Before Europe

Sample Text

Coastal Ocean Observing Systems

Julius's critically acclaimed study (looking both at the detail of Eliot's deployment of anti-Semitic discourse and at the role it played in his greater literary undertaking) has provoked a reassessment of Eliot's work among poets, scholars, critics and readers, which will invigorate debate for some time to come.

Arc Routing

This text emerges out of the need to share information and knowledge on the research and practices of using multimedia in various educational settings. It discusses issues relating to planning, designing and development of interactive multimedia, offering research data.

Theoretical Principles of Distance Education

If you were black in America at the start of the Revolutionary War, which side would you want to win? When the last British governor of Virginia declared that any rebel-owned slave who escaped and served the king would be emancipated, tens of thousands of slaves fled from farms, plantations, and cities to try to reach the British camp. A military strategy originally

designed to break the plantations of the American South had unleashed one of the great exoduses in U.S. history. With powerfully vivid storytelling, Schama details the odyssey of the escaped blacks through the fires of war and the terror of potential recapture, shedding light on an extraordinary, little-known chapter in the dark saga of American slavery.

Rough Crossings

How much power does a father have to influence his children's development? A lively and often heated public debate on the role and value of the father in a family has been underway in the United States for the past decade. Nevertheless, we are far from understanding the complex ways in which fathers make contributions to their families and children. *Fatherhood: Research, Interventions, and Policies* addresses the central questions of the role of fathers: ¿ What is the impact of father involvement on child outcomes? ¿ What factors predict increased involvement of fathers? Bringing together papers presented at the Conference on Father Involvement, this volume includes contributions by leading scholars in anthropology, demography, economics, family science, psychology, and sociology. Many of the contributors also address the implications of father involvement for family policy issues, including family leave, child care, and child support. Furthermore, the discussion of fatherhood ranges well beyond the case of intact, middle-class, white families to include fathers from various ethnic groups and socioeconomic classes and of varied marital status, including fathers of nonmarital children, single-father families, and nonresident fathers. *Fatherhood: Research, Interventions, and Policies* addresses both practical and theoretical concerns, including: the redefinition of fatherhood changes over time in research on fatherhood the predictive power of fathers' activities on their children's adult outcomes the correlation between fathers' income and their involvement with their nonmarital children the influence of fathers on their sons' probability of growing up to become responsible fathers the effects of divorce on father-son and father-daughter relationships interventions that help to keep divorced fathers in touch with their children This comprehensive, powerful book combines pioneering empirical research with thoughtful consideration of the social and psychological implications of fatherhood. It is essential reading for researchers, policymakers, psychologists, and students of family studies, human development, gender studies, social policy, sociology, and human ecology.

Representative Government in Western Europe

What are 'emotions'? This book offers a balanced survey of facts and theory.

Long-Term Athlete Development

Russia in the 21st Century

An introduction to improving industrial processes and products through simple quality improvement techniques and experimental design methodology. Addressed to chemists, biologists, engineers and others with a limited understanding of statistics, explains the fundamentals of a sound experimental approach to problem solving that incorporates valid statistical analysis. Covers data collection, flow diagrams, Pareto analysis, and cause and effect diagrams. Annotation copyright by Book News, Inc., Portland, OR

Power and Political Culture in Suharto's Indonesia

I write with pleasure this foreword to the proceedings of the 7th workshop of the Initiative for the Evaluation of XML Retrieval (INEX). The increased adoption of XML as the standard for representing a document structure has led to the development of retrieval systems that are aimed at effectively accessing XML documents. Providing effective access to large collections of XML documents is therefore a key issue for the success of these systems. INEX aims to provide the necessary methodological means and worldwide infrastructures for evaluating how good XML retrieval systems are. Since its launch in 2002, INEX has grown both in terms of number of participants and its coverage of the investigated retrieval tasks and scenarios. In 2002, INEX started with 49 registered participating organizations, whereas this number was more than 100 for 2008. In 2002, there was one main track, concerned with the ad hoc retrieval task, whereas in 2008, seven tracks in addition to the main ad hoc track were investigated, looking at various aspects of XML retrieval, from book search to entity ranking, including interaction aspects.

Introduction to Probability

This book presents an accessible approach to understanding time series models and their applications. The ideas and methods are illustrated with both real and simulated data sets. A unique feature of this edition is its integration with the R computing environment.

IBM Storwize V7000, Spectrum Virtualize, HyperSwap, and VMware Implementation

European Cinemas in the Television Age is a radical attempt to rethink the post-war history of European cinemas. The authors approach the subject from the perspective of television's impact on the culture of cinema's production, distribution, consumption and reception. Thus they indicate a new direction for the debate about the future of cinema in Europe. In every European country television has transformed economic, technological and aesthetic terms in which the process of

cinema production had been conducted. Television's growing popularity has drastically reshaped cinema's audiences and forced governments to introduce policies to regulate the interaction between cinema and television in the changing and dynamic audio-visual environment. It is cinematic criticism, which was slowest in coming to terms with the presence of television and therefore most instrumental in perpetuating the view of cinema as an isolated object of aesthetic, critical and academic inquiry. The recognition of the impact of television upon European cinemas offers a more authentic and richer picture of cinemas in Europe, which are part of the complex audiovisual matrix including television and new media.

Ionic Liquids in Chemical Analysis

An in-depth look at the ecology, history, and politics of land use among the Turkana pastoral people in Northern Kenya. Based on sixteen years of fieldwork among the pastoral Turkana people, McCabe examines how individuals use the land and make decisions about mobility, livestock, and the use of natural resources in an environment characterized by aridity, unpredictability, insecurity, and violence. The Turkana are one of the world's most mobile peoples, but understanding why and how they move is a complex task influenced by politics, violence, historical relations among ethnic groups, and the government, as well as by the arid land they call home. As one of the original members of the South Turkana Ecosystem Project, McCabe draws on a wealth of ecological data in his analysis. His long-standing relationship with four Turkana families personalize his insights and conclusions, inviting readers into the lives of these individuals, their families, and the way they cope with their environment and political events in daily life. J. Terrence McCabe is Associate Professor of Anthropology, University of Colorado at Boulder.

Financialization and Strategy

According to UNESCO statistics, 10 million of the world's 600 million students study at a distance. *Theoretical Principles of Distance Education* seeks to lay solid foundations for the education of these students and for the structures within which they study. As a more industrialised form of education provision, distance education is well adapted to the use of new communication technologies, and brings to education many of the strengths and dangers of post-industrialism. The central focus of the study of distance education is the placing of the student at home or at work and the justification of the abandonment in this form of education of interpersonal, face-to-face communication, previously considered to be a cultural imperative for education in both east and west. This book explores the problems that distance education poses to the theorist, bringing together an international team of distance educators to address these issues for the first time in a systematic way. The team comprises theoreticians, administrators, experts in educational technology and adult education, experts in learning from video machines, from computers and other forms of technology. Contributions from Italy, and Scandinavia contrast with viewpoints provided by scholars from the US, Canada, Australia, and the UK.

Statistics for Business

Analyses and explains a century of the production and reproduction of the urban environment and focuses on recent changes in the control of these processes and the ideology which has ensured that urban inequalities continue to exist and grow.

Ramón María Del Valle-Inclán

A comprehensive approach focused on sustainable change Asset Building and Community Development, Fourth Edition examines the promise and limits of community development by showing students and practitioners how asset-based developments can improve the sustainability and quality of life. Authors Gary Paul Green and Anna Haines provide an engaging, thought-provoking, and comprehensive approach to asset building by focusing on the role of different forms of community capital in the development process. Updated throughout, this edition explores how communities are building on their key assets—physical, human, social, financial, environmental, political, and cultural capital— to generate positive change. With a focus on community outcomes, the authors illustrate how development controlled by community-based organizations provides a better match between assets and the needs of the community.

Advances in Focused Retrieval

In today's increasingly competitive financial world, successful risk management, portfolio management, and financial structuring demand more than up-to-date financial know-how. They also call for quantitative expertise, including the ability to effectively apply mathematical modeling tools and techniques. An Introduction to Credit Risk Modeling supplies both the bricks and the mortar of risk management. In a gentle and concise lecture-note style, it introduces the fundamentals of credit risk management, provides a broad treatment of the related modeling theory and methods, and explores their application to credit portfolio securitization, credit risk in a trading portfolio, and credit derivatives risk. The presentation is thorough but refreshingly accessible, foregoing unnecessary technical details yet remaining mathematically precise. Whether you are a risk manager looking for a more quantitative approach to credit risk or you are planning a move from the academic arena to a career in professional credit risk management, An Introduction to Credit Risk Modeling is the book you've been looking for. It will bring you quickly up to speed with information needed to resolve the questions and quandaries encountered in practice.

Time Series Analysis

Essential Genetics and Genomics is the ideal textbook for the shorter, less comprehensive genetics course. It presents carefully chosen topics that provide a solid foundation to the basic understanding of gene mutation, expression, and regulation.

Enterprise Java Monitoring on z/OS with OMEGAMON: A Practical Guide to Managing JVM Performance on z/OS

Considering the recent impact of the capital market on corporate strategy, this text analyzes, through argument and supportive case studies, how pressures from the capital bull market of the 1990s and bear market of the early 2000s, have reshaped management action and calculation in large, publicly quoted US and UK corporations. Beginning with the dissatisfaction with classical strategy and its limited engagement with the processes of financialization, the book moves on to cover three detailed company case studies (General Electric, Ford and GlaxoSmithKline) which use long run financial data and analysis of company and industry narratives to illustrate and explore key themes. The book emphasizes the importance of company and industry narrative, while also analyzing long term financial results, and helps to explain the limits of management action and the burden of expectations placed on corporate governance. Presenting financial and market information on trajectory in an accessible way, this book provides a distinctive, critical social science account of management in large UK and US corporations, and it is a valuable resource for students, scholars and researchers of business, management, political economy and non-mainstream economics. short listed for the 2007 IPEG Book Prize

Community Planning

This book presents the state of the art in surface wrinkling, including current and future potential applications in biomedicine, tissue engineering, drug delivery, microfluidic devices, and other promising areas. Their use as templates, flexible electronics, and supports with controlled wettability and/or adhesion for biorelated applications demonstrate how the unique characteristics of wrinkled interfaces play a distinguishing and remarkable role. The fabrication approaches employed to induce wrinkle formation and the potential to fine-tune the amplitude and period of the wrinkles, their functionality, and their final morphology are thoroughly described. An overview of the main applications in which these buckled interfaces have already been employed or may have an impact in the near future is included. Presents a detailed description of the physical phenomena and strategies occurring at polymer surfaces to produce wrinkled surface patterns; Examines the different methodologies to produce morphology-controlled wrinkled surface patterns by means of physical and chemical treatment methods; Provides clear information on current and potential applications in flexible electronics and biomaterials, which are leading the use of these materials.

Impasse of the Angels

When you're under pressure to produce a well-designed, easy-to-navigate mobile app, there's no time to reinvent the wheel—and no need to. This handy reference provides more than 90 mobile app design patterns, illustrated by 1,000 screenshots from current Android, iOS, and Windows Phone apps. Much has changed since this book's first edition. Mobile OSes have become increasingly different, driving their own design conventions and patterns, and many designers have embraced mobile-centric thinking. In this edition, user experience professional Theresa Neil walks product managers, designers, and developers through design patterns in 11 categories: Navigation: get patterns for primary and secondary navigation Forms: break industry-wide habits of bad form design Tables: display only the most important information Search, sort, and filter: make these functions easy to use Tools: create the illusion of direct interaction Charts: learn best practices for basic chart design Tutorials & Invitations: invite users to get started and discover features Social: help users connect and become part of the group Feedback & Accordance: provide users with timely feedback Help: integrate help pages into a smaller form factor Anti-Patterns: what not to do when designing a mobile app

Calorimetry and Thermal Methods in Catalysis

Long-Term Athlete Development describes how to systematically develop sporting excellence and increase active participation in local, regional, and national sport organizations. This resource describes the long-term athlete development (LTAD) model, an approach to athlete-centered sport that combines skill instruction with long-term planning and an understanding of human development. By learning about LTAD, sport administrators and coaches will gain the knowledge and tools to enhance participation and improve performance and growth of athletes. This text offers the first in-depth and practical explanation of the LTAD model. Long-Term Athlete Development integrates current research on talent development and assessment into practice to help sport leaders plan athletic development across the life span or design detailed programs for a particular group, including those with physical and cognitive disabilities. Authors Balyi, Way, and Higgs—pioneers and veteran LTAD facilitators—critique current talent development models, discuss the limitations of the LTAD model, and demonstrate the benefits of LTAD as a new approach. By integrating knowledge of these models, readers are able to analyze their own programs and take steps to improve sport and coaching philosophies and reach adherence and performance goals. Explanations and visuals of concepts help readers understand the state of knowledge in talent identification and long-term athlete development. Chapter-opening vignettes offer examples of how the LTAD model can be used to alleviate common issues. Listings at the end of each chapter offer sources for further study, and reflection questions guide readers in applying the content. The text offers a logical presentation of current research:

- Key factors that guide and shape the LTAD model, such as physical literacy, the differences between early- and late-specialization sports, and variations in trainability across the life span
- Information on the time needed to develop excellence in sport

and how periodization of training is related to the developmental stage of the athlete • The seven stages of LTAD, from development of fundamental movement skills to training for elite competition and the transition to lifelong physical activity • Considerations in the development of optimal programs for participants passing through each of the seven stages Long-Term Athlete Development is an essential guide to improving the quality of sport, developing high-performance athletes, and creating healthy, active citizens. It offers parents, coaches, and sport administrators a deeper understanding of the LTAD model, helping them create an enjoyable, developmentally appropriate environment for both competitive athletes and enthusiastic participants.

Wrinkled Polymer Surfaces

Get the deep insights you need to master efficient architectural design considerations and solve common design problems in your enterprise applications. Key Features The benefits and applicability of using different design patterns in JAVA EE Learn best practices to solve common design and architectural challenges Choose the right patterns to improve the efficiency of your programs Book Description Patterns are essential design tools for Java developers. Java EE Design Patterns and Best Practices helps developers attain better code quality and progress to higher levels of architectural creativity by examining the purpose of each available pattern and demonstrating its implementation with various code examples. This book will take you through a number of patterns and their Java EE-specific implementations. In the beginning, you will learn the foundation for, and importance of, design patterns in Java EE, and then will move on to implement various patterns on the presentation tier, business tier, and integration tier. Further, you will explore the patterns involved in Aspect-Oriented Programming (AOP) and take a closer look at reactive patterns. Moving on, you will be introduced to modern architectural patterns involved in composing microservices and cloud-native applications. You will get acquainted with security patterns and operational patterns involved in scaling and monitoring, along with some patterns involved in deployment. By the end of the book, you will be able to efficiently address common problems faced when developing applications and will be comfortable working on scalable and maintainable projects of any size. What you will learn Implement presentation layers, such as the front controller pattern Understand the business tier and implement the business delegate pattern Master the implementation of AOP Get involved with asynchronous EJB methods and REST services Involve key patterns in the adoption of microservices architecture Manage performance and scalability for enterprise-level applications Who this book is for Java developers who are comfortable with programming in Java and now want to learn how to implement design patterns to create robust, reusable and easily maintainable apps.

Interactive Multimedia in Education and Training

A novel about the 1994 slaughter of nearly a million Rwandans.

The Emotions

This book explores the dynamic interaction between economic life, society and civilisation in the regions around and beyond the Indian Ocean during the period from the rise of Islam to 1750. Within a distinctive theory of comparative history, Professor Chaudhuri analyses how the identity of different Asian civilisations was established. He examines the structural features of food habits, clothing, architectural styles and housing; the different modes of economic production; and the role of crop raising, pastoral nomadism, and industrial activities for the main regions of the Indian Ocean. In an original and perceptive conclusion, the author demonstrates how Indian Ocean societies were united or separated from one another by a conscious cultural and linguistic identity. However, there was a deeper structure of unities created by a common ecology, technology, technology of economic production, traditions of government, theory of political obligations and rights, and a shared historical experience. His theory enables the author to show that the real Indian Ocean was an area that extended historically from the Red Sea and the Persian Gulf to the sea which lies beyond Japan.

Competing on Analytics

This book introduces community planning as practiced in the United States, focusing on the comprehensive plan. Sometimes known by other names—especially master plan or general plan—the type of plan described here is the predominant form of general governmental planning in the U.S. Although many government agencies make plans for their own programs or facilities, the comprehensive plan is the only planning document that considers multiple programs and that accounts for activities on all land located within the planning area, including both public and private property. Written by a former president of the American Planning Association, Community Planning is thorough, specific, and timely. It addresses such important contemporary issues as sustainability, walkable communities, the role of urban design in public safety, changes in housing needs for a changing population, and multi-modal transportation planning. Unlike competing books, it addresses all of these topics in the context of the local comprehensive plan. There is a broad audience for this book: planning students, practicing planners, and individual citizens who want to better understand local planning and land use controls. Boxes at the end of each chapter explain how professional planners and individual citizens, respectively, typically engage the issues addressed in the chapter. For all readers, Community Planning provides a pragmatic view of the comprehensive plan, clearly explained by a respected authority.

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