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Study Guide

Innovations in Food Labelling

Increasingly, consumers desire information about the health, safety, environmental and socioeconomic characteristics of food products. These traits often cannot be detected by sight, smell or taste.

Therefore, consumers must use food labels to select products that meet their needs and preferences. The growing consumer and industry interest in food labels presents challenges for governments, which must ensure that the product information is accurate, truthful and not misleading to consumers.

Governments must decide whether provision of information should be mandatory or voluntary. With the increase in global trade in food, there is a need to harmonize food labels so that product information is understood and relevant to foreign markets.

Innovations in food labelling provides information about the principles and requirements of food labelling and reviews the latest trends in this important area. Following an introduction on the evolution of food labelling, further chapters cover the Codex Alimentarius and food labelling, international trade agreements, nutrition labelling, allergies and food labels and environmental and social labels, among other topics. An essential reference for food regulatory agencies, food law experts and professionals in the food industry responsible for

labelling as well as consumer and environmental associations with an interest in labelling. Provides important information about the principles and requirements of food labelling and reviews the trends in this area Documents label evolution and considers standards and legal issues, as well as protection of the environment and sustainable food production Features labels for a variety of different markets, including organic foods, and addresses social issues such as association of food quality with location

The Rise of Post-Hegemonic Regionalism

Providing a truly global overview of legislation in all major countries, this practical volume contains the information vital for manufactures of food contact materials and food producers, facilitating a comparison of the requirements and making mutual requirements easier to identify. It covers not only plastics but also other food contact materials, such as paper, board, coatings, ceramics, cork, rubber, and textiles.

Library & Information Science Abstracts

With the growth of public and private data stores and the emergence of off-the-shelf data-mining technology, recommendation systems have emerged that specifically address the unique challenges of navigating and interpreting software engineering data. This book collects, structures and formalizes knowledge on recommendation systems in software engineering. It adopts a pragmatic approach with an

explicit focus on system design, implementation, and evaluation. The book is divided into three parts: “Part I – Techniques” introduces basics for building recommenders in software engineering, including techniques for collecting and processing software engineering data, but also for presenting recommendations to users as part of their workflow. “Part II – Evaluation” summarizes methods and experimental designs for evaluating recommendations in software engineering. “Part III – Applications” describes needs, issues and solution concepts involved in entire recommendation systems for specific software engineering tasks, focusing on the engineering insights required to make effective recommendations. The book is complemented by the webpage rsse.org/book, which includes free supplemental materials for readers of this book and anyone interested in recommendation systems in software engineering, including lecture slides, data sets, source code, and an overview of people, groups, papers and tools with regard to recommendation systems in software engineering. The book is particularly well-suited for graduate students and researchers building new recommendation systems for software engineering applications or in other high-tech fields. It may also serve as the basis for graduate courses on recommendation systems, applied data mining or software engineering. Software engineering practitioners developing recommendation systems or similar applications with predictive functionality will also benefit from the broad spectrum of topics covered.

Value Creation from E-Business Models

This introductory text explains, and places in an historical context, the development theories behind contemporary debates, such as globalization. The author describes and explains how approaches to development have changed over time and how approaches vary spatially.

Thomas Register of American Manufacturers and Thomas Register Catalog File

The Knowing Organization is the first text that links the broad areas of organizational behaviour and information management. It brings together research in organizational theory and information science in a general framework for understanding how organizations behave as information as information-seeking, information-creating, and informatio-using communities.

Protection of Traditional Cultural Expressions in Latin America

Microsoft Azure HDInsight is Microsoft's 100 percent compliant distribution of Apache Hadoop on Microsoft Azure. This means that standard Hadoop concepts and technologies apply, so learning the Hadoop stack helps you learn the HDInsight service. At the time of this writing, HDInsight (version 3.0) uses Hadoop version 2.2 and Hortonworks Data Platform 2.0. In *Introducing Microsoft Azure HDInsight*, we cover what

big data really means, how you can use it to your advantage in your company or organization, and one of the services you can use to do that quickly—specifically, Microsoft’s HDInsight service. We start with an overview of big data and Hadoop, but we don’t emphasize only concepts in this book—we want you to jump in and get your hands dirty working with HDInsight in a practical way. To help you learn and even implement HDInsight right away, we focus on a specific use case that applies to almost any organization and demonstrate a process that you can follow along with. We also help you learn more. In the last chapter, we look ahead at the future of HDInsight and give you recommendations for self-learning so that you can dive deeper into important concepts and round out your education on working with big data.

Closing or Widening the Gap?

Probabilistic Methods for Financial and Marketing Informatics aims to provide students with insights and a guide explaining how to apply probabilistic reasoning to business problems. Rather than dwelling on rigor, algorithms, and proofs of theorems, the authors concentrate on showing examples and using the software package Netica to represent and solve problems. The book contains unique coverage of probabilistic reasoning topics applied to business problems, including marketing, banking, operations management, and finance. It shares insights about when and why probabilistic methods can and cannot be used effectively. This book is recommended for all R&D professionals and students who are involved with

industrial informatics, that is, applying the methodologies of computer science and engineering to business or industry information. This includes computer science and other professionals in the data management and data mining field whose interests are business and marketing information in general, and who want to apply AI and probabilistic methods to their problems in order to better predict how well a product or service will do in a particular market, for instance. Typical fields where this technology is used are in advertising, venture capital decision making, operational risk measurement in any industry, credit scoring, and investment science. Unique coverage of probabilistic reasoning topics applied to business problems, including marketing, banking, operations management, and finance Shares insights about when and why probabilistic methods can and cannot be used effectively Complete review of Bayesian networks and probabilistic methods for those IT professionals new to informatics.

Patients Beyond Borders

This book provides a broad yet detailed introduction to neural networks and machine learning in a statistical framework. A single, comprehensive resource for study and further research, it explores the major popular neural network models and statistical learning approaches with examples and exercises and allows readers to gain a practical working understanding of the content. This updated new edition presents recently published results and includes six new chapters that correspond to the

recent advances in computational learning theory, sparse coding, deep learning, big data and cloud computing. Each chapter features state-of-the-art descriptions and significant research findings. The topics covered include: • multilayer perceptron; • the Hopfield network; • associative memory models; • clustering models and algorithms; • the radial basis function network; • recurrent neural networks; • nonnegative matrix factorization; • independent component analysis; • probabilistic and Bayesian networks; and • fuzzy sets and logic. Focusing on the prominent accomplishments and their practical aspects, this book provides academic and technical staff, as well as graduate students and researchers with a solid foundation and comprehensive reference on the fields of neural networks, pattern recognition, signal processing, and machine learning.

Microinteractions

Learn the art of building robust and powerful recommendation engines using R About This Book Learn to exploit various data mining techniques Understand some of the most popular recommendation techniques This is a step-by-step guide full of real-world examples to help you build and optimize recommendation engines Who This Book Is For If you are a competent developer with some knowledge of machine learning and R, and want to further enhance your skills to build recommendation systems, then this book is for you. What You Will Learn Get to grips with the most important branches of recommendation Understand various data

processing and data mining techniques Evaluate and optimize the recommendation algorithms Prepare and structure the data before building models Discover different recommender systems along with their implementation in R Explore various evaluation techniques used in recommender systems Get to know about recommenderlab, an R package, and understand how to optimize it to build efficient recommendation systems In Detail A recommendation system performs extensive data analysis in order to generate suggestions to its users about what might interest them. R has recently become one of the most popular programming languages for the data analysis. Its structure allows you to interactively explore the data and its modules contain the most cutting-edge techniques thanks to its wide international community. This distinctive feature of the R language makes it a preferred choice for developers who are looking to build recommendation systems. The book will help you understand how to build recommender systems using R. It starts off by explaining the basics of data mining and machine learning. Next, you will be familiarized with how to build and optimize recommender models using R. Following that, you will be given an overview of the most popular recommendation techniques. Finally, you will learn to implement all the concepts you have learned throughout the book to build a recommender system. Style and approach This is a step-by-step guide that will take you through a series of core tasks. Every task is explained in detail with the help of practical examples.

Research Centers Directory: Descriptive listings

Penetration Tester's Open Source Toolkit, Third Edition, discusses the open source tools available to penetration testers, the ways to use them, and the situations in which they apply. Great commercial penetration testing tools can be very expensive and sometimes hard to use or of questionable accuracy. This book helps solve both of these problems. The open source, no-cost penetration testing tools presented do a great job and can be modified by the student for each situation. This edition offers instruction on how and in which situations the penetration tester can best use them. Real-life scenarios support and expand upon explanations throughout. It also presents core technologies for each type of testing and the best tools for the job. The book consists of 10 chapters that covers a wide range of topics such as reconnaissance; scanning and enumeration; client-side attacks and human weaknesses; hacking database services; Web server and Web application testing; enterprise application testing; wireless penetrating testing; and building penetration test labs. The chapters also include case studies where the tools that are discussed are applied. New to this edition: enterprise application testing, client-side attacks and updates on Metasploit and Backtrack. This book is for people who are interested in penetration testing or professionals engaged in penetration testing. Those working in the areas of database, network, system, or application administration, as well as architects, can gain insights

into how penetration testers perform testing in their specific areas of expertise and learn what to expect from a penetration test. This book can also serve as a reference for security or audit professionals. Details current open source penetration testing tools Presents core technologies for each type of testing and the best tools for the job New to this edition: Enterprise application testing, client-side attacks and updates on Metasploit and Backtrack

Thomas Register of American Manufacturers

Validate your AWS skills. This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS cloud. AWS has been the frontrunner in cloud computing products and services, and the AWS Certified Solutions Architect Official Study Guide for the Associate exam will get you fully prepared through expert content, and real-world knowledge, key exam essentials, chapter review questions, access to Sybex's interactive online learning environment, and much more. This official study guide, written by AWS experts, covers exam concepts, and provides key review on exam topics, including: Mapping Multi-Tier Architectures to AWS Services, such as web/app servers, firewalls, caches and load balancers Understanding managed RDBMS through AWS RDS (MySQL, Oracle, SQL Server, Postgres, Aurora) Understanding Loose Coupling and Stateless Systems Comparing Different Consistency Models in AWS Services Understanding how AWS CloudFront can make your application more cost

efficient, faster and secure Implementing Route tables, Access Control Lists, Firewalls, NAT, and DNS Applying AWS Security Features along with traditional Information and Application Security Using Compute, Networking, Storage, and Database AWS services Architecting Large Scale Distributed Systems Understanding of Elasticity and Scalability Concepts Understanding of Network Technologies Relating to AWS Deploying and Managing Services with tools such as CloudFormation, OpsWorks and Elastic Beanstalk. Learn from the AWS subject-matter experts, review with proven study tools, and apply real-world scenarios. If you are looking to take the AWS Certified Solutions Architect Associate exam, this guide is what you need for comprehensive content and robust study tools that will help you gain the edge on exam day and throughout your career.

Penetration Tester's Open Source Toolkit

This book analyses the topic of protecting traditional cultural expressions (TCEs) in Latin America. It questions classic legal approaches and involves the interface of anthropology and law. The study analyses regional, national and local particularities of law on paper and law in reality. It includes personal fieldwork research in selected countries and puts light on the political, socio-economic and environmental dimension of the topic. Based upon these insights, the study gives recommendations for a more enhanced, interdisciplinary understanding and protection of TCEs. Latin America is (still) rich of cultural traditions and bio- and sociodiversity. This region is the cradle

of the international discussion on protecting TCEs. The national situations are diverse and allow conclusive comparisons. Some countries have established concrete protection systems, like Panama, and made useful experiences. It is time to resume: What do TCEs really mean? Should they be protected by law and if so, how? What can we learn from the practical experiences made so far? The following is clear: The true test for any new legislation – in Latin America and elsewhere – is its impact on the everyday life.

Microtimes

Regional Cooperation in Amazonia

This basic source for identification of U.S. manufacturers is arranged by product in a large multi-volume set. Includes: Products & services, Company profiles and Catalog file.

Principles of Plant-Microbe Interactions

Transnational Law of Human Mobility

The End of Modern Portfolio Theory Behavioral Investment Management proves what many have been thinking since the global economic downturn: Modern Portfolio Theory (MPT) is no longer a viable portfolio management strategy. Inherently flawed and based largely on ideology, MPT can not be relied upon

in modern markets. Behavioral Investment Management offers a new approach-one addresses certain realities that MPT ignores, including the fact that emotions play a major role in investing. The authors lay out new standards reflecting behavioral finance and dynamic asset allocation, then explain how to apply these standards to your current portfolio construction efforts. They explain how to move away from the idealized, black-and-white world of MPT and into the real world of investing--placing heavy emphasis on the importance of mastering emotions. Behavioral Investment Management provides a portfolio-management standard for an investing world in disarray. PART 1- The Current Paradigm: MPT (Modern Portfolio Theory); Chapter 1: Modern Portfolio Theory as it Stands; Chapter 2: Challenges to MPT: Theoretical-the assumptions are not thus; Chapter 3: Challenges to MPT: Empirical-the world is not thus; Chapter 4: Challenges to MPT: Behavioural-people are not thus; Chapter 5: Describing the Overall Framework: Investors and Investments; PART 2- Amending MPT: Getting to BMPT; Chapter 1: Investors-The Rational Investor; Chapter 2: Investments-Extracting Value from the long-term; Chapter 3: Investments-Extracting Value from the short-term; Chapter 4: bringing it together, the new BMPT paradigm; PART 3- Emotional Insurance: Sticking with the Journey; Chapter 1: Investors- the emotional investor; Chapter 2: Investments- Constraining the rational portfolio; PART 4- Practical Implications; Chapter 1: The BMPT and Wealth Management; Chapter 2: The BMPT and the Pension Industry; Chapter 3: The BMPT and Asset Management

Redesigning the World Trade Organization for the Twenty-first Century

Seven Deadliest Network Attacks identifies seven classes of network attacks and discusses how the attack works, including tools to accomplish the attack, the risks of the attack, and how to defend against the attack. This book pinpoints the most dangerous hacks and exploits specific to networks, laying out the anatomy of these attacks including how to make your system more secure. You will discover the best ways to defend against these vicious hacks with step-by-step instruction and learn techniques to make your computer and network impenetrable. The book consists of seven chapters that deal with the following attacks: denial of service; war dialing; penetration testing; protocol tunneling; spanning tree attacks; man-in-the-middle; and password replay. These attacks are not mutually exclusive and were chosen because they help illustrate different aspects of network security. The principles on which they rely are unlikely to vanish any time soon, and they allow for the possibility of gaining something of interest to the attacker, from money to high-value data. This book is intended to provide practical, usable information. However, the world of network security is evolving very rapidly, and the attack that works today may (hopefully) not work tomorrow. It is more important, then, to understand the principles on which the attacks and exploits are based in order to properly plan either a network attack or a network defense. Seven Deadliest Network Attacks will appeal to information security professionals of all levels,

network admins, and recreational hackers. Knowledge is power, find out about the most dominant attacks currently waging war on computers and networks globally Discover the best ways to defend against these vicious attacks; step-by-step instruction shows you how Institute countermeasures, don't be caught defenseless again, and learn techniques to make your computer and network impenetrable

Building an Information Security Awareness Program

Open source intelligence (OSINT) and web reconnaissance are rich topics for infosec professionals looking for the best ways to sift through the abundance of information widely available online. In many cases, the first stage of any security assessment—that is, reconnaissance—is not given enough attention by security professionals, hackers, and penetration testers. Often, the information openly present is as critical as the confidential data. Hacking Web Intelligence shows you how to dig into the Web and uncover the information many don't even know exists. The book takes a holistic approach that is not only about using tools to find information online but also how to link all the information and transform it into presentable and actionable intelligence. You will also learn how to secure your information online to prevent it being discovered by these reconnaissance methods. Hacking Web Intelligence is an in-depth technical reference covering the methods and techniques you need to unearth open source information from the Internet and utilize it for the

purpose of targeted attack during a security assessment. This book will introduce you to many new and leading-edge reconnaissance, information gathering, and open source intelligence methods and techniques, including metadata extraction tools, advanced search engines, advanced browsers, power searching methods, online anonymity tools such as TOR and i2p, OSINT tools such as Maltego, Shodan, Creepy, SearchDiggity, Recon-ng, Social Network Analysis (SNA), Darkweb/Deepweb, data visualization, and much more. Provides a holistic approach to OSINT and Web recon, showing you how to fit all the data together into actionable intelligence Focuses on hands-on tools such as TOR, i2p, Maltego, Shodan, Creepy, SearchDiggity, Recon-ng, FOCA, EXIF, Metagoofil, MAT, and many more Covers key technical topics such as metadata searching, advanced browsers and power searching, online anonymity, Darkweb / Deepweb, Social Network Analysis (SNA), and how to manage, analyze, and visualize the data you gather Includes hands-on technical examples and case studies, as well as a Python chapter that shows you how to create your own information-gathering tools and modify existing APIs

Professional SharePoint 2010 Development

The use of microbial plant protection products is growing and their importance will strongly increase due to political and public pressure. World population is growing and the amount of food needed by 2050 will be double of what is produced now whereas the

area of agricultural land is decreasing. We must increase crop yield in a sustainable way. Chemical plant growth promoters must be replaced by microbiological products. Also here, the use of microbial products is growing and their importance will strongly increase. A growing area of agricultural land is salinated. Global warming will increase this process. Plants growth is inhibited by salt or even made impossible and farmers tend to disuse the most salinated lands. Microbes have been very successfully used to alleviate salt stress of plants. Chemical pollution of land can make plant growth difficult and crops grown are often polluted and not suitable for consumption. Microbes have been used to degrade these chemical pollutants.

Building a Recommendation System with R

Social Engineering Penetration Testing

This book employs methods from comparative law to analyze voluntary migration, exploring the free movement of immigrants and their freedom of settlement under Brazilian and Mercosul law, as well as under German law and the European Union's legal framework on migration. It discusses the level of protection granted to immigrants in terms of their right to enter and stay in Brazil and Mercosul, using German legislation and the EU's legal framework on migration for comparison. Accordingly, the book will help migration researchers to understand not only the

structure and rationale of migration law in Brazil, especially after the entry into force of its recent Migration Law in 2017, but also its relation to EU and German provisions on voluntary migration. It demonstrates how the differing natures of the migration law adopted by Brazil and Germany have led to different approaches and, consequently, different levels of protection for immigrants.

Global Legislation for Food Packaging Materials

Combining normative analysis and theory-driven empirical research in a comparative framework, this volume clarifies and explains the connections between regional international governance, legitimacy and democracy. It focuses on the quality of democracy and the legitimacy of policy making in multilevel regional systems. The volume offers a much-needed clarification of confusing concepts such as legitimacy, democracy and 'civil society' in non-national political systems. It critically assesses the quality of democracy and legitimacy within different Regional International Organizations (RIOs); it examines how networks of non-state actors become a kind of transnational civil society and assesses their potential for solving legitimacy deficits; and it investigates the impact of democratic conditionality in different RIOs. The contributors deepen our understanding of a relatively new non-state actor on the international scene - the regional international organization - and investigate the potential contribution of transnational non-state actors to the

quality of governance at the regional level.

The Knowing Organization

Social engineering attacks target the weakest link in an organization's security human beings. Everyone knows these attacks are effective, and everyone knows they are on the rise. Now, Social Engineering Penetration Testing gives you the practical methodology and everything you need to plan and execute a social engineering penetration test and assessment. You will gain fascinating insights into how social engineering techniques including email phishing, telephone pretexting, and physical vectors can be used to elicit information or manipulate individuals into performing actions that may aid in an attack. Using the book's easy-to-understand models and examples, you will have a much better understanding of how best to defend against these attacks. The authors of Social Engineering Penetration Testing show you hands-on techniques they have used at RandomStorm to provide clients with valuable results that make a real difference to the security of their businesses. You will learn about the differences between social engineering pen tests lasting anywhere from a few days to several months. The book shows you how to use widely available open-source tools to conduct your pen tests, then walks you through the practical steps to improve defense measures in response to test results. Understand how to plan and execute an effective social engineering assessment Learn how to configure and use the open-source tools available for the social engineer Identify

parts of an assessment that will most benefit time-critical engagements Learn how to design target scenarios, create plausible attack situations, and support various attack vectors with technology Create an assessment report, then improve defense measures in response to test results

Digital Outcasts

The blind person who tries to make an online purchase. The young girl who cannot speak due to a cognitive disability. The man confined to his home due to permanent injury. The single mother with a long-term illness who struggles to feed her family. With one in seven people worldwide currently living with a disability, the term "outcast" covers numerous scenarios. Digital outcasts rely on technology for everyday services that many people take for granted. However, poorly designed products risk alienating this important (and growing) population. Through a "grass roots" approach to innovation, digital outcasts are gradually taking action to transform their lives and communities. This emerging trend provides exciting learning opportunities for all of us. Citing real-world case studies from healthcare to social science, this book examines the emerging legal and cultural impact of inclusive design. Gain a better understanding of how people with disabilities use technology Discover pitfalls and approaches to help you stay current in your UX practices Anticipate a future in which ambient benefit can be achieved for people of all abilities and backgrounds

Hacking Web Intelligence

It's the little things that turn a good digital product into a great one. With this practical book, you'll learn how to design effective microinteractions: the small details that exist inside and around features. How can users change a setting? How do they turn on mute, or know they have a new email message? Through vivid, real-world examples from today's devices and applications, author Dan Saffer walks you through a microinteraction's essential parts, then shows you how to use them in a mobile app, a web widget, and an appliance. You'll quickly discover how microinteractions can change a product from one that's tolerated into one that's treasured. Explore a microinteraction's structure: triggers, rules, feedback, modes, and loops

Learn the types of triggers that initiate a microinteraction

Create simple rules that define how your microinteraction can be used

Help users understand the rules with feedback, using graphics, sounds, and vibrations

Use modes to let users set preferences or modify a microinteraction

Extend a microinteraction's life with loops, such as "Get data every 30 seconds"

Introducing Microsoft Azure HDInsight

The best defense against the increasing threat of social engineering attacks is Security Awareness Training to warn your organization's staff of the risk and educate them on how to protect your organization's data. Social engineering is not a new tactic, but Building a Security Awareness Program is

the first book that shows you how to build a successful security awareness training program from the ground up. Building an Security Awareness Program provides you with a sound technical basis for developing a new training program. The book also tells you the best ways to garner management support for implementing the program. Author Bill Gardner is one of the founding members of the Security Awareness Training Framework. Here, he walks you through the process of developing an engaging and successful training program for your organization that will help you and your staff defend your systems, networks, mobile devices, and data. Forewords written by Dave Kennedy and Kevin Mitnick! The most practical guide to setting up a Security Awareness training program in your organization Real world examples show you how cyber criminals commit their crimes, and what you can do to keep you and your data safe Learn how to propose a new program to management, and what the benefits are to staff and your company Find out about various types of training, the best training cycle to use, metrics for success, and methods for building an engaging and successful program

Probabilistic Methods for Financial and Marketing Informatics

Discusses Web site hierarchy, usability, navigation systems, content labeling, configuring search systems, and managing the information architecture development process.

Microsoft Visual Studio LightSwitch Business Application Development

Vols. for 1970-71 includes manufacturers' catalogs.

Biodesign

Stellar author team of Microsoft MVPs helps developers and administrators get the most out of Windows IIS 8 If you're a developer or administrator, you'll want to get thoroughly up to speed on Microsoft's new IIS 8 platform with this complete, in-depth reference. Prepare yourself to administer IIS 8 in not only commercial websites and corporate intranets, but also the mass web hosting market with this expert content. The book covers common administrative tasks associated with monitoring and managing an IIS environment--and then moves well beyond, into extensibility, scripted admin, and other complex topics. The book highlights automated options outside the GUI, options that include the PowerShell provider and AppCmd tool. It explores extensibility options for developers, including ISAPI and HTTPModules. And, it delves into security protocols and high availability/load balancing at a level of detail that is not often found in IIS books. Author team includes Microsoft MVPs and an IIS team member Covers the management and monitoring of Microsoft Internet Information Services (IIS) 8 for administrators and developers, including MOF and MOM Delves into topics not often included in IIS books, including using the PowerShell provider and AppCmd tool and other automated options, and

extending IIS 8 with ISAPI or HTTPModules Explores security issues in depth, including high availability/load balancing, and the Kerberos, NTLM, and PKI/SSL protocols Explains how to debug and troubleshoot IIS Professional Microsoft IIS 8 features a wealth of information gathered from individuals running major intranets and web hosting facilities today, making this an indispensable and real-world reference to keep on hand.

Recommendation Systems in Software Engineering

In Regional Cooperation in Amazonia: A Comparative Environmental Law Analysis, Maria Antonia Tigre investigates efforts in regional cooperation for the protection of the Amazonian ecosystem by the eight countries in which the world's largest rainforest lies.

Behavioral Investment Management: An Efficient Alternative to Modern Portfolio Theory

After Vienna

Two high-level commissions—the Sutherland report in 2004, and the Warwick Commission report in 2007—addressed the future of the World Trade Organization and made proposals for incremental reform. This book goes further; it explains why institutional reform of the WTO is needed at this critical juncture in world history and provides

innovative, practical proposals for modernizing the WTO to enable it to respond to the challenges of the twenty-first century. Contributors focus on five critical areas: transparency, decision- and rule-making procedures, internal management structures, participation by non-governmental organizations and civil society, and relationships with regional trade agreements. Co-published with the International Development Research Centre and the Centre for International Governance Innovation

Neural Networks and Statistical Learning

Patients Beyond Borders is the first comprehensive, easy-to-understand guide to medical tourism. Impartial and extensively researched, it is filled with authoritative and accessible advice - carefully culled from hundreds of resources around the world. Whether you're seeking dental work, heart surgery, orthopedics, cosmetic surgery, neurosurgery, or LASIK eye repair, Patients Beyond Borders is your best way to become an informed health traveler and get started on your medical travel journey.

International Adjudication

This book offers a timely analysis, and a novel and nuanced argument about post-neoliberal models of regional governance in non-European contexts. It provides the first in-depth, empirically-driven analysis of current models of regional governance in Latin America that emerged out of the crisis of liberalism in the region. It contributes to comparative studies of

the contemporary global political economy as it advances current literature on the topic by analysing distinctive, overlapping and conflicting trajectories of regionalism in Latin America. The book critically explores models of transformative regionalism and specific dimensions articulating those models beyond neoliberal consensus-building. As such it contests the overstated case of integration as converging towards global capitalism. It provides an analytical framework that not only examines the 'what, how, who and why' in the emergence of a specific form of regionalism but sets the ground for addressing two relevant questions that will push the study of regionalism further: What factors enable or constrain how transformative a given regionalism is (or can be) with respect to the powers and policies of states encompassed by it? and: What factors govern how resilient a given regionalism is likely to be under changing political and economic conditions?

Security Studies

Learn to leverage the features of the newest version of SharePoint, in this update to the bestseller More than simply a portal, SharePoint is Microsoft's popular content management solution for building intranets and Web sites or hosting wikis and blogs. Offering broad coverage on all aspects of development for the SharePoint platform, this comprehensive book shows you exactly what SharePoint does, how to build solutions, and what features are accessible within SharePoint. Written by one of the most recognized names in SharePoint development, Professional

SharePoint 2010 Development offers an extensive selection of field-tested best practices that shows you how to leverage the vast power of this multi-faceted tool to build custom workflow and content management applications. Plus, you'll discover how to take advantage of the new features to roll out new SharePoint sites or upgrade existing sites. SharePoint guru Tom Rizzo offers broad coverage of the newest version of SharePoint, Microsoft's popular content management solution Addresses how the new version adds enhanced developer support for ASP.NET, Ajax, LINQ, and Silverlight Demonstrates how to take advantage of new features, including improvements to offline and mobile client capabilities, social networking additions, and more Covers user experience development, platform services, social media features, event handling, the business data catalog, forms and workflow, business intelligence, and more With this book, you'll get exhaustive coverage on the many possibilities that exist with SharePoint.

Seven Deadliest Network Attacks

Annotation Visual Studio LightSwitch is a new development tool for building business applications for the desktop, the web, and the cloud with ease. You can easily do most of the designing for your application, but for building business applications you need to acquire the right skills. With this book you will gain confidence in working with LightSwitch, and the skills you acquire will greatly help you to develop applications yourself. This Visual Studio LightSwitch

Business Application Development book is dedicated to giving you hands-on experience, when it comes to developing applications on LightSwitch. Everything, right from downloading the software to creating your application to deploying it, is discussed extensively. All this is laid out in an easy to understand and step-by-step format. You will learn how to set up your database and link to the data whether it is on a local or remote database. Once you know how to work with data, you will then learn to set up screens and use screen templates. Work with entities and LightSwitch specific data types; query and filter data with designer and code. Write simple and complex queries with and without writing code. You will also write custom code using the built-in event handlers. No business software can function without addressing security issues and Visual Studio LightSwitch has a rock solid, deceptively simple way to handle security and you will learn to do this from scratch with ASP.NET. Once the application is built you will explore the different ways to deploy it. Get familiar with Visual Studio LightSwitch application development from exploring the user interface to deployment techniques. What you will learn from this book:

- Download and install Visual Studio LightSwitch on Windows 7 and Windows XP; also install the required sample databases
- Create a local entity, and connect to external data sources including SQL Servers and WCF RIA Data services
- Work with screens in different business activities
- Design queries using the built-in query designer for filtering and sorting data
- Deploy the various security features to your application
- Deploy your application in various topologies

Approach: The book is designed to introduce

the various components and functionalities of LightSwitch. This book will appeal to LightSwitch self-starters, as most of the examples are complete not just snippets with extensive screenshots. The chapters progress from downloading software to deploying applications in a logical sequence. Who this book is written for This book is for developers who are beginning to use Visual Studio LightSwitch. Small business houses should be able to get a jump start on using LightSwitch. The book does not assume prior knowledge of Visual Studio LightSwitch but exposure to SQL Server, Silverlight, and Microsoft IDEs such as Visual Studio (any version) will be of great help. The book should be useful to both Visual Basic and C# programmers. In addition to small businesses, this book will be useful to libraries, schools, departmental applications, and to those who might be writing applications to be hosted on desktop, internet and Windows Azure platforms.

Professional Microsoft IIS 8

Recognize market opportunities, master the design process, and develop business acumen with this 'how-to' guide to medical technology innovation. Outlining a systematic, proven approach for innovation - identify, invent, implement - and integrating medical, engineering, and business challenges with real-world case studies, this book provides a practical guide for students and professionals.

Theories and Practices of Development

Value Creation from E-Business Models provides a thorough analysis of what constitutes an e-business model. Unlike many e-business books available, this text draws together theoretical and empirical contributions from leading academic scholars in the field of management information systems. Divided into four parts, E-Business Models and Taxonomies; E-Business Markets; E-Business Customer Performance Measurement; and E-Business Vendor Applications and Services, this book is the critical dissection of E-Business that today's academic community needs. * World class academic contributors brought together in one volume * Demonstrates that there are e-business models which create value for customers and vendors alike * Learn from the lessons of the past five years in developing and implementing e-business models

Information Architecture for the World Wide Web

Security Studies is the most comprehensive textbook available on security studies. It gives students a detailed overview of the major theoretical approaches, key themes and most significant issues within security studies. Part 1 explores the main theoretical approaches currently used within the field from realism to international political sociology. Part 2 explains the central concepts underpinning contemporary debates from the security dilemma to terrorism. Part 3 presents an overview of the institutional security architecture currently influencing world politics using international, regional and global levels of analysis. Part 4 examines some of the key

contemporary challenges to global security from the arms trade to energy security. Part 5 discusses the future of security. Security Studies provides a valuable teaching tool for undergraduates and MA students by collecting these related strands of the field together into a single coherent textbook.

AWS Certified Solutions Architect Official Study Guide

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