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Course Catalog CRC Press

Collecting data is relatively easy, but turning raw information into something useful requires that you know how to extract precisely what you need. With this insightful book, intermediate to experienced programmers interested in data analysis will learn techniques for working with data in a business environment. You'll learn how to look at data to discover what it contains, how to capture those ideas in conceptual models, and then feed your understanding back into the organization through business plans, metrics dashboards, and other applications. Along the way, you'll experiment with concepts through hands-on workshops at the end of each chapter. Above all, you'll learn how to think about the results you want to achieve -- rather than rely on tools to think for you. Use graphics to describe data with one, two, or dozens of variables Develop conceptual models using back-of-the-envelope calculations, as well as scaling and probability arguments Mine data with computationally intensive methods such as simulation and clustering Make your conclusions understandable through reports, dashboards, and other metrics programs Understand financial calculations, including the time-value of money Use dimensionality reduction techniques or predictive analytics to conquer challenging data analysis situations Become familiar with different open source programming environments for data analysis "Finally, a concise reference for understanding how to conquer piles of data."--Austin King, Senior Web Developer,

Mozilla "An indispensable text for aspiring data scientists."--

Michael E. Driscoll, CEO/Founder, Dataspora

[Annual Scientific Report IBM Redbooks](#)

An anniversary edition of the first full study of Mexican American women in the twentieth century, with new preface

The New Builders Pearson Education

Data Analytics for Intelligent Transportation Systems provides in-depth coverage of data-enabled methods for analyzing intelligent transportation systems that includes detailed coverage of the tools needed to implement these methods using big data analytics and other computing techniques. The book examines the major characteristics of connected transportation systems, along with the fundamental concepts of how to analyze the data they produce. It explores collecting, archiving, processing, and distributing the data, designing data infrastructures, data management and delivery systems, and the required hardware and software technologies. Users will learn how to design effective data visualizations, tactics on the planning process, and how to evaluate alternative data analytics for different connected transportation applications, along with key safety and environmental applications for both commercial and passenger vehicles, data privacy and security issues, and the role of social media data in traffic planning. - Includes case studies in each chapter that illustrate the application of concepts covered - Presents extensive coverage of existing and forthcoming intelligent transportation systems and data analytics technologies - Contains contributors from both leading academic and commercial researchers - Explains how to design effective data

visualizations, tactics on the planning process, and how to evaluate alternative data analytics for different connected transportation applications

The Digital Matrix Springer Science & Business Media

This practical guidebook explains not only how to get a computer up and running with the FreeBSD operating system, but how to turn it into a highly functional and secure server that can host large numbers of users and disks, support remote access and provide key parts of the Inter

Photoshop Packt Publishing Ltd

Plan, design, deploy, and administer the solutions available in VxRail Appliance Key Features Learn how to plan and design the VxRail HCI system Understand VxRail's administration, lifecycle management, and cluster scale-out Explore migration methodologies for VxRail systems Book Description Hyper-converged infrastructure (HCI) can help you simplify the provisioning and daily operations of computing and storage. With this book, you'll understand how HCI can offload the day 0 deployment and day-to-day operations of a system administrator. You'll explore the VxRail Appliance, which is an HCI solution that provides lifecycle management, automation, and operational simplicity. Starting with an overview of the VxRail Appliance system architecture and components, you'll understand the benefits of the VxRail system and compare it with the environment of traditional servers and storage. As you advance, the book covers topics such as disaster recovery and active-active and active-passive solutions for VxRail. By the end of this book, you'll have gained the confidence to manage the deployment, administration, planning, and design of a VxRail system. What you will learn Set up the hardware and software requirements for a VxRail installation Monitor the status of VxRail appliances with the VxRail Manager plugin Get to grips with all the administration interfaces used to manage the VxRail appliance Understand vCenter roles and permissions management in the VxRail cluster Discover best practices for vSAN configuration in the VxRail cluster Find out about VxRail cluster scale-out rules and how to expand the VxRail cluster Deploy active-passive solutions for VxRail with VMware Site Recovery Manager (SRM) Who this book is for If you are a system architect, system administrator, or consultant involved in planning and deploying VxRail HCI or want to learn how to use VxRail HCI, then this book is for you. Equivalent knowledge and administration experience with ESXi and vCenter Server will be helpful.

John Wiley & Sons

The superabundance of data that is created by today's businesses is making storage a strategic investment priority for companies of all sizes. As storage takes precedence, the following major initiatives emerge: Flatten and converge your network: IBM® takes an open, standards-based approach to implement the latest advances in the flat, converged data center network designs of today. IBM Storage solutions enable clients to deploy a high-speed, low-latency Unified Fabric Architecture. Optimize and automate virtualization: Advanced virtualization awareness reduces the cost and complexity of deploying physical and virtual data center infrastructure. Simplify management: IBM data center networks are easy to deploy, maintain, scale, and virtualize, delivering the foundation of consolidated operations for dynamic infrastructure management. Storage is no longer an afterthought. Too much is at stake. Companies are searching for more ways to efficiently manage expanding volumes of data, and to make that data accessible throughout the enterprise. This demand is propelling the move of storage into the network. Also, the increasing complexity of managing large numbers of storage devices and vast amounts of data is driving greater business

value into software and services. With current estimates of the amount of data to be managed and made available increasing at 60% each year, this outlook is where a storage area network (SAN) enters the arena. SANs are the leading storage infrastructure for the global economy of today. SANs offer simplified storage management, scalability, flexibility, and availability; and improved data access, movement, and backup. Welcome to the cognitive era. The smarter data center with the improved economics of IT can be achieved by connecting servers and storage with a high-speed and intelligent network fabric. A smarter data center that hosts IBM Storage solutions can provide an environment that is smarter, faster, greener, open, and easy to manage. This IBM® Redbooks® publication provides an introduction to SAN and Ethernet networking, and how these networks help to achieve a smarter data center. This book is intended for people who are not very familiar with IT, or who are just starting out in the IT world.

Making Data Smarter with IBM Spectrum Discover: Practical AI Solutions "O'Reilly Media, Inc."

This book includes selected papers from the 2nd International Conference on Machine Learning and Information Processing (ICMLIP 2020), held at Vardhaman College of Engineering, Jawaharlal Nehru Technological University (JNTU), Hyderabad, India, from November 28 to 29, 2020. It presents the latest developments and technical solutions in the areas of advanced computing and data sciences, covering machine learning, artificial intelligence, human-computer interaction, IoT, deep learning, image processing and pattern recognition, and signal and speech processing.

Heavy Hitter Sales Psychology OUP USA

The Mexican American woman zoot suiter, or pachuca, often wore a V-neck sweater or a long, broad-shouldered coat, a knee-length pleated skirt, fishnet stockings or bobby socks, platform heels or saddle shoes, dark lipstick, and a bouffant. Or she donned the same style of zoot suit that her male counterparts wore. With their striking attire, pachucos and pachucas represented a new generation of Mexican American youth, which arrived on the public scene in the 1940s. Yet while pachucos have often been the subject of literature, visual art, and scholarship, *The Woman in the Zoot Suit* is the first book focused on pachucas. Two events in wartime Los Angeles thrust young Mexican American zoot suiters into the media spotlight. In the Sleepy Lagoon incident, a man was murdered during a mass brawl in August 1942. Twenty-two young men, all but one of Mexican descent, were tried and convicted of the crime. In the Zoot Suit Riots of June 1943, white servicemen attacked young zoot suiters, particularly Mexican Americans, throughout Los Angeles. The Chicano movement of the 1960s–1980s cast these events as key moments in the political awakening of Mexican Americans and pachucos as exemplars of Chicano identity, resistance, and style. While pachucas and other Mexican American women figured in the two incidents, they were barely acknowledged in later Chicano movement narratives. Catherine S. Ramírez draws on interviews she conducted with Mexican American women who came of age in Los Angeles in the late 1930s, 1940s, and 1950s as she recovers the neglected stories of pachucas. Investigating their relative absence in scholarly and artistic works, she argues that both wartime U.S. culture and the Chicano movement rejected pachucas because they threatened traditional gender roles. Ramírez reveals how pachucas challenged dominant notions of Mexican American and Chicano identity, how feminists have reinterpreted la pachuca, and how attention to an overlooked figure can disclose much about history making, nationalism, and resistant identities.

Introduction to Storage Area Networks Sys

AdminInformation Storage and Management

Ever since television became practical in the early 1950s, closed-circuit television (CCTV) in conjunction with the light microscope has provided large screen display, raised image contrast, and made the images formed by ultraviolet and infrared rays visible. With the introduction of large-scale integrated circuits in the last decade, TV equipment has improved by leaps and bounds, as has its application in microscopy. With modern CCTV, sometimes with the help of digital computers, we can distill the image from a scene that appears to be nothing but noise; capture fluorescence too dim to be seen; visualize structures far below the limit of resolution; crisp images hidden in fog; measure, count, and sort objects; and record in time-lapsed and high-speed sequences through the light microscope without great difficulty. In fact, video is becoming indispensable for harnessing the fullest capacity of the light microscope, a capacity that itself is much greater than could have been envisioned just a few years ago. The time seemed ripe then to review the basics of video, and of microscopy, and to examine how the two could best be combined to accomplish these tasks. The Marine Biological Laboratory short courses on Analytical and Quantitative Light Microscopy in Biology, Medicine, and the Materials Sciences, and the many inquiries I received on video microscopy, supported such an effort, and Kirk Jensen of Plenum Press persuaded me of its worth.

Dispatcher IBM Redbooks

More than 80% of all data that is collected by organizations is not in a standard relational database. Instead, it is trapped in unstructured documents, social media posts, machine logs, and so on. Many organizations face significant challenges to manage this deluge of unstructured data, such as the following examples: Pinpointing and activating relevant data for large-scale analytics Lacking the fine-grained visibility that is needed to map data to business priorities Removing redundant, obsolete, and trivial (ROT) data Identifying and classifying sensitive data IBM® Spectrum Discover is a modern metadata management software that provides data insight for petabyte-scale file and Object Storage, storage on-premises, and in the cloud. This software enables organizations to make better business decisions and gain and maintain a competitive advantage. IBM Spectrum® Discover provides a rich metadata layer that enables storage administrators, data stewards, and data scientists to efficiently manage, classify, and gain insights from massive amounts of unstructured data. It improves storage economics, helps mitigate risk, and accelerates large-scale analytics to create competitive advantage and speed critical research. This IBM Redbooks® publication presents several use cases that are focused on artificial intelligence (AI) solutions with IBM Spectrum Discover. This book helps storage administrators and technical specialists plan and implement AI solutions by using IBM Spectrum Discover and several other IBM Storage products.

Statement of Disbursements of the House Transportation Research Board

This IBM® Redbooks® publication provides an introduction to PowerVM™ virtualization technologies on Power System servers. PowerVM is a combination of hardware, firmware, and software that provides CPU, network, and disk virtualization. These are the main virtualization technologies: POWER7, POWER6, and POWER5 hardware POWER Hypervisor Virtual I/O Server Though the PowerVM brand includes partitioning, management software, and other offerings, this publication focuses on the virtualization technologies that are part of the PowerVM Standard and Enterprise Editions. This publication is also designed to be an introduction guide for system administrators, providing instructions for these tasks: Configuration and creation of

partitions and resources on the HMC Installation and configuration of the Virtual I/O Server Creation and installation of virtualized partitions Examples using AIX, IBM i, and Linux This edition has been updated with the latest updates available and an improved content organization.

Hadoop Operations TILIS Pub

This is a comprehensive guide for penetrating new accounts, differentiating one's solution during the sales cycle, and closing large deals. Based on extensive interviews with over 1,000 key information technology decision makers and top technology salespeople, the book provides state of the art technology sales strategies and advanced tactics for senior salespeople who want to learn the secrets of top performers. Readers will find advice on how to win over C-level I.T. executives and senior business leaders in finance, operations, manufacturing, human resources, marketing, sales, and engineering; discover how I.T. organisational structure impacts company decision maker: determine how to gain strategic account control based upon the people, process, and politics of selling to complex businesses; and learn to conduct persuasive sales calls with sales linguistics, the study of how the customer's mind uses and interprets language, and much more.

Machine Learning and Information Processing Addison Wesley Publishing Company

" TRB's National Cooperative Highway Research Program (NCHRP) Report 748: Guidelines for the Use of Mobile LIDAR in Transportation Applications presents guidelines for the application of mobile 3D light detection and ranging (LIDAR) technology to the operations of state departments of transportation. Mobile LIDAR uses laser scanning equipment mounted on vehicles in combination with global positioning systems (GPS) and inertial measurement units (IMU) to rapidly and safely capture large datasets necessary to create highly accurate, high resolution digital representations of roadways and their surroundings. " -- Publisher's description.

Cataloging Unstructured Data in IBM Watson Knowledge Catalog with IBM Spectrum Discover Microsoft Press

Master your virtual environment with the ultimate vSphere guide Mastering VMware vSphere 6.7 is the fully updated edition of the bestselling guide to VMware's virtualization solution. With comprehensive coverage of this industry-leading toolset, this book acts as an informative guide and valuable reference. Step-by-step instruction walks you through installation, configuration, operation, security processes, and much more as you conquer the management and automation of your virtual environment. Written by certified VMware vExperts, this indispensable guide provides hands-on instruction and detailed conceptual explanations, anchored by practical applications and real-world examples. This book is the ultimate guide to vSphere, helping administrators master their virtual environment. Learn to: Install, configure, and manage the vCenter Server components Leverage the Support Tools to provide maintenance and updates Create and configure virtual networks, storage devices, and virtual machines Implement the latest features to ensure compatibility and flexibility Manage resource allocation and utilization to meet application needs Monitor infrastructure performance and availability Automate and orchestrate routine administrative tasks Mastering VMware vSphere 6.7 is what you need to stay up-to-date on VMware's industry-leading software for the virtualized datacenter.

The Complete FreeBSD Syngress

It may surprise you to learn that Microsoft employs as many software testers as developers. Less surprising is the emphasis the company places on the testing discipline—and its role in managing quality across a diverse, 150+ product portfolio. This

book—written by three of Microsoft’s most prominent test professionals—shares the best practices, tools, and systems used by the company’s 9,000-strong corps of testers. Learn how your colleagues at Microsoft design and manage testing, their approach to training and career development, and what challenges they see ahead. Most important, you’ll get practical insights you can apply for better results in your organization. Discover how to: Design effective tests and run them throughout the product lifecycle Minimize cost and risk with functional tests, and know when to apply structural techniques Measure code complexity to identify bugs and potential maintenance issues Use models to generate test cases, surface unexpected application behavior, and manage risk Know when to employ automated tests, design them for long-term use, and plug into an automation infrastructure Review the hallmarks of great testers—and the tools they use to run tests, probe systems, and track progress efficiently Explore the challenges of testing services vs. shrink-wrapped software

Sys Admin John Wiley & Sons

Despite popular belief to the contrary, entrepreneurship in the United States is dying. It has been since before the Great Recession of 2008, and the negative trend in American entrepreneurship has been accelerated by the Covid pandemic. New firms are being started at a slower rate, are employing fewer workers, and are being formed disproportionately in just a few major cities in the U.S. At the same time, large chains are opening more locations. Companies such as Amazon with their "deliver everything and anything" are rapidly displacing Main Street businesses. In *The New Builders*, we tell the stories of the next generation of entrepreneurs -- and argue for the future of American entrepreneurship. That future lies in surprising places -- and will in particular rely on the success of women, black and brown entrepreneurs. Our country hasn't yet even recognized the identities of the New Builders, let alone developed strategies to support them. Our misunderstanding is driven by a core misperception. Consider a "typical" American entrepreneur. Think about the entrepreneur who appears on TV, the business leader making headlines during the pandemic. Think of the type of businesses she or he is building, the college or business school they attended, the place they grew up. The image you probably conjured is that of a young, white male starting a technology business. He's likely in Silicon Valley. Possibly New York or Boston. He's self-confident, versed in the ins and outs of business funding and has an extensive (Ivy League?) network of peers and mentors eager to help his business thrive, grow and make millions, if not billions. You'd think entrepreneurship is thriving, and helping the United States maintain its economic power. You'd be almost completely wrong. The dominant image of an entrepreneur as a young white man starting a tech business on the coasts isn't correct at all. Today's American entrepreneurs, the people who drive critical parts of our economy, are more likely to be female and non-white. In fact, the number of women-owned businesses has increased 31 times between 1972 and

2018 according to the Kauffman Foundation (in 1972, women-owned businesses accounted for just 4.6% of all firms; in 2018 that figure was 40%). The fastest-growing group of female entrepreneurs are women of color, who are responsible for 64% of new women-owned businesses being created. In a few years, we believe women will make up more than half of the entrepreneurs in America. The age of the average American entrepreneur also belies conventional wisdom: It's 42. The average age of the most successful entrepreneurs -- those in the top .01% in terms of their company's growth in the first five years -- is 45. These are the New Builders. Women, people of color, immigrants and people over 40. We're failing them. And by doing so, we are failing ourselves. In this book, you'll learn: How the definition of business success in America today has grown corporate and around the concepts of growth, size, and consumption. Why and how our collective understanding of "entrepreneurship" has dangerously narrowed. Once a broad term including people starting businesses of all types, entrepreneurship has come to describe only the brash technology founders on the way to becoming big. Who are the fastest growing groups of entrepreneurs? What are they working on? What drives them? The real engine that drove Silicon Valley's entrepreneurs. The government had a much bigger role than is widely known The extent to which entrepreneurs and small businesses are woven through our history, and the ways we have forgotten women and people of color who owned small businesses in the past. How we're increasingly afraid to fail The role small businesses are playing saving the wilderness, small towns and redlined communities What we can do to turn the decline in entrepreneurship around, especially by supporting the people who are courageously starting small companies today.

No Tech Hacking John Wiley & Sons

"Apache Hadoop is helping drive the Big Data revolution. Now, its data processing has been completely overhauled: Apache Hadoop YARN provides resource management at data center scale and easier ways to create distributed applications that process petabytes of data. And now in Apache Hadoop™ YARN, two Hadoop technical leaders show you how to develop new applications and adapt existing code to fully leverage these revolutionary advances." -- From the Amazon

Data Analysis with Open Source Tools IBM Redbooks
Sys Admin Information Storage and Management John Wiley & Sons

Information Storage and Management IBM Redbooks
Storage virtualization has come of age, offering IT professionals powerful new ways to simplify infrastructure, streamline management, improve utilization, and reduce costs. Now, the author of the best-selling storage books *IP SANs* and *Designing Storage Area Networks* presents an up-to-the-minute, vendor-neutral overview of storage virtualization in all its forms.

Heavy Hitter I.T. Sales Strategy Elsevier

Covers receipts and expenditures of appropriations and other funds.

Best Sellers - Books :

- [November 9: A Novel](#)
- [The Creative Act: A Way Of Being](#)
- [I'm Glad My Mom Died By Jennette McCurdy](#)
- [What To Expect When You're Expecting By Heidi Murkoff](#)
- [The Inmate: A Gripping Psychological Thriller By Freida Mcfadden](#)
- [Little Blue Truck's Valentine By Alice Schertle](#)
- [The Body Keeps The Score: Brain, Mind, And Body In The Healing Of Trauma](#)
- [If He Had Been With Me By Laura Nowlin](#)
- [My First Learn-to-write Workbook: Practice For Kids With Pen Control, Line Tracing, Letters, And More! By Crystal Radke](#)
- [The Woman In Me](#)