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Counting Crocodiles Houghton Mifflin
Harcourt
Smart Metro Station Systems: Data Science
and Engineering introduces key technologies in
data science and engineering for smart metro

station systems. The book consists of three main parts, focusing on the environment, people and energy. Each chapter includes practical applications, along with information on metro traffic flow monitoring and passenger guidance, methods for behavior analysis and trajectory projection, clustering and anomaly detection in crowd hotspots, monitoring and prediction for station humidity, monitoring and spatial prediction for air pollutants, time series feature extraction and analysis of metro load, characteristic and correlation analysis of metro load, and prediction and intelligent ventilation control. This volume offers a key reference on the emerging area of smart metro stations and will be useful to those working on smart railways, data science, engineering, artificial intelligence and aligned fields. Presents relevant core technologies of data science and engineering in smart metro station systems Describes systems based on holographic perception, terminal platform control and highly-autonomous operation Gives a large number of practical case studies and experimental designs Introduces state-of-the-art machine learning and data mining methods for smart metro station systems Offers a comprehensive, up-to-date research solution for

the emerging area of smart metro stations
MacOS High Sierra: The Missing Manual
Gun Digest Books

The Pulitzer Prize-winning view of the continent, across the fortieth parallel and down through 4.6 billion years. Twenty years ago, when John McPhee began his journeys back and forth across the United States, he planned to describe a cross section of North America at about the fortieth parallel and, in the process, come to an understanding not only of the science but of the style of the geologists he traveled with. The structure of the book never changed, but its breadth caused him to complete it in stages, under the overall title *Annals of the Former World*. Like the terrain it covers, *Annals of the Former World* tells a multilayered tale, and the reader may choose one of many paths through it. As clearly and succinctly written as it is profoundly informed, this is our finest popular survey of geology and a masterpiece of modern nonfiction. *Annals of the Former World* is the winner of the 1999 Pulitzer Prize for Nonfiction.

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Backpacker brings the outdoors straight to the reader's doorstep, inspiring and enabling them to go more places and enjoy nature more often. The authority on active adventure, Backpacker is the world's first GPS-enabled magazine, and the only magazine whose editors personally test the hiking trails,

camping gear, and survival tips they publish. Backpacker's Editors' Choice Awards, an industry honor recognizing design, feature and product innovation, has become the gold standard against which all other outdoor-industry awards are measured.

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Head First Design Patterns

Packt Publishing Ltd
Without established design

patterns to guide them, developers have had to build distributed systems from scratch, and most of these systems are very unique indeed. Today, the increasing use of containers has paved the way for core distributed system patterns and reusable containerized components. This practical guide presents a collection of repeatable, generic patterns to help make the development of reliable distributed systems far more approachable and efficient. Author Brendan Burns—Director of Engineering at Microsoft Azure—demonstrates how you can adapt existing software design patterns for designing and building reliable distributed applications. Systems engineers and application developers will learn how these long-established patterns provide a common language and framework for dramatically increasing the quality of your system. Understand how patterns and

reusable components enable the rapid development of reliable distributed systems Use the side-car, adapter, and ambassador patterns to split your application into a group of containers on a single machine Explore loosely coupled multi-node distributed patterns for replication, scaling, and communication between the components Learn distributed system patterns for large-scale batch data processing covering work-queues, event-based processing, and coordinated workflows

Smart Metro Station Systems

"O'Reilly Media, Inc."

Occupancy Estimation and Modeling: Inferring Patterns and Dynamics of Species Occurrence, Second Edition, provides a synthesis of model-based approaches for analyzing presence-absence data, allowing for imperfect detection. Beginning from the relatively simple case of estimating the proportion of area or sampling units occupied at the time of surveying, the authors describe a

wide variety of extensions that have been developed since the early 2000s. This provides an improved insight about species and community ecology, including, detection heterogeneity; correlated detections; spatial autocorrelation; multiple states or classes of occupancy; changes in occupancy over time; species co-occurrence; community-level modeling, and more. Occupancy Estimation and Modeling: Inferring Patterns and Dynamics of Species Occurrence, Second Edition has been greatly expanded and detail is provided regarding the estimation methods and examples of their application are given. Important study design recommendations are also covered to give a well rounded view of modeling. Provides authoritative insights into the latest in occupancy modeling Examines the latest methods in analyzing detection/no detection data surveys Addresses critical issues of imperfect detectability and its effects on species occurrence estimation Discusses important study design considerations such as defining sample units, sample

size determination and optimal effort allocation
macOS Sierra Elsevier
Using research in neurobiology, cognitive science and learning theory, this text loads patterns into your brain in a way that lets you put them to work immediately, makes you better at solving software design problems, and improves your ability to speak the language of patterns with others on your team.

Learn Azure in a Month of Lunches, Second Edition

No

Starch Press
Reloading Guide

Metallic Cartridge Handloading

Farrar, Straus and Giroux

Discover how graph algorithms can help you leverage the relationships within your data to develop more intelligent solutions and enhance your machine learning models. You'll learn how graph analytics are uniquely suited to unfold complex structures and reveal difficult-to-find patterns lurking in your data. Whether you are trying to build dynamic network models or forecast real-world behavior, this book

illustrates how graph algorithms deliver value—from finding vulnerabilities and bottlenecks to detecting communities and improving machine learning predictions. This practical book walks you through hands-on examples of how to use graph algorithms in Apache Spark and Neo4j—two of the most common choices for graph analytics. Also included: sample code and tips for over 20 practical graph algorithms that cover optimal pathfinding, importance through centrality, and community detection. Learn how graph analytics vary from conventional statistical analysis. Understand how classic graph algorithms work, and how they are applied. Get guidance on which algorithms to use for different types of questions. Explore algorithm examples with working code and sample datasets from Spark and Neo4j. See how connected feature extraction can increase machine learning accuracy and precision. Walk through creating an ML workflow for link prediction combining Neo4j and Spark. [Nosler Reloading Guide 8](#) "O'Reilly Media, Inc."

Power System Fault Diagnosis: A Wide Area Measurement Based Intelligent Approach is a comprehensive overview of the growing interests in efficient diagnosis of power system faults to reduce outage duration and revenue losses by expediting the restoration process. This book illustrates intelligent fault diagnosis schemes for power system networks, at both transmission and distribution levels, using data acquired from phasor measurement units. It presents the power grid modeling, fault modeling, feature extraction processes, and various fault diagnosis techniques, including artificial intelligence techniques, in steps. The book also incorporates uncertainty associated with line parameters, fault information (resistance and inception angle), load demand, renewable energy generation, and measurement noises. Provides step-by-step modeling of power system networks (distribution and transmission) and faults in MATLAB/SIMULINK and real-time digital simulator (RTDS) platforms. Presents feature extraction processes using advanced signal

processing techniques (discrete wavelet and Stockwell transforms) and an easy-to-understand optimal feature selection method. Illustrates comprehensive results in the graphical and tabular formats that can be easily reproduced by beginners. Highlights various utility practices for fault location in transmission networks, distribution systems, and underground cables. *The Power Grid* Elsevier. When a monkey on a desert island sees a banana tree on a faraway island, she must devise a clever way to navigate the crocodile-infested waters using her counting skills. Children's BOMC. Reprint. [Practical SQL](#) Cambridge University Press. A basic understanding of headspace and how it affects the proper operation of a firearm are necessary if you wish to call yourself a gunsmith. Otherwise all you will be able to do is change parts with the hope that somehow the problem will go

away. The later is normally called an armorer, not a gunsmith. This booklet contains all the information a gunsmith needs in order to understand and diagnose headspace. *Understanding Headspace* 4D Reamer Rentals Limited

With an increase of global energy demand arising in urban settlements, the key challenges for the urban energy transition include analysis of energy efficiency options and the potential of renewable energy systems within the existing building stock, making cities a key actor in the transition success. In *Urban Energy Systems for Low Carbon Cities*, indicators to evaluate urban energy performance are introduced and the status quo of monitoring and efficiency valuation schemes are discussed. The book discusses advances on the state-of-the-art of research in a number of key areas: Energy demand and consumption mapping and

monitoring Optimization of design and operation of urban supply and distribution systems Integration of renewable energy and urban energy network models Demand side management strategies to better match renewable supply and demand and increase flexibilities With innovative modelling methods this book gives a real bottom-up modelling approach used for the simulation of energy consumption, energy conversion systems and distribution networks using engineering methods. Provides support and guidance on the energy transition issues relating to energy demand, consumption mapping and monitoring Includes examples from case study cities, including Vienna, Geneva, New York and Stuttgart Analyzes the potential of energy management strategies in urban areas

Advanced Data Analytics for Power Systems Elsevier

Access detailed content and

examples on Azure SQL, a set of cloud services that allows for SQL Server to be deployed in the cloud. This book teaches the fundamentals of deployment, configuration, security, performance, and availability of Azure SQL from the perspective of these same tasks and capabilities in SQL Server. This distinct approach makes this book an ideal learning platform for readers familiar with SQL Server on-premises who want to migrate their skills toward providing cloud solutions to an enterprise market that is increasingly cloud-focused. If you know SQL Server, you will love this book. You will be able to take your existing knowledge of SQL Server and translate that knowledge into the world of cloud services from the Microsoft Azure platform, and in particular into Azure SQL. This book provides information never seen before about the history and architecture of

Azure SQL. Author Bob Ward is a leading expert with access to and support from the Microsoft engineering team that built Azure SQL and related database cloud services. He presents powerful, behind-the-scenes insights into the workings of one of the most popular database cloud services in the industry. What You Will Learn Know the history of Azure SQL Deploy, configure, and connect to Azure SQL Choose the correct way to deploy SQL Server in Azure Migrate existing SQL Server instances to Azure SQL Monitor and tune Azure SQL's performance to meet your needs Ensure your data and application are highly available Secure your data from attack and theft Who This Book Is For This book is designed to teach SQL Server in the Azure cloud to the SQL Server professional. Anyone who operates, manages, or develops applications for SQL Server will benefit from this book.

Readers will be able to translate their current knowledge of SQL Server—especially of SQL Server 2019—directly to Azure. This book is ideal for database professionals looking to remain relevant as their customer base moves into the cloud. Urban Energy Systems for Low-Carbon Cities Academic Press Learning a complex new language is no easy task especially when it is an object-oriented computer programming language like Java. You might think the problem is your brain. It seems to have a mind of its own, a mind that doesn't always want to take in the dry, technical stuff you're forced to study. The fact is your brain craves novelty. It's constantly searching, scanning, waiting for something unusual to happen. After all, that's the way it

was built to help you stay alive. It takes all the routine, ordinary, dull stuff and filters it to the background so it won't interfere with your brain's real work--recording things that matter. How does your brain know what matters? It's like the creators of the Head First approach say, suppose you're out for a hike and a tiger jumps in front of you, what happens in your brain? Neurons fire. Emotions crank up. Chemicals surge. That's how your brain knows. And that's how your brain will learn Java. Head First Java combines puzzles, strong visuals, mysteries, and soul-searching interviews with famous Java objects to engage you in many different ways. It's fast, it's fun, and it's effective. And, despite its playful appearance, Head First Java is serious stuff:

a complete introduction to object-oriented programming and Java. You'll learn everything from the fundamentals to advanced topics, including threads, network sockets, and distributed programming with RMI. And the new, second edition focuses on Java 5.0, the latest version of the Java language and development platform. Because Java 5.0 is a major update to the platform, with deep, code-level changes, even more careful study and implementation is required. So learning the Head First way is more important than ever. If you've read a Head First book, you know what to expect--a visually rich format designed for the way your brain works. If you haven't, you're in for a treat. You'll see why people say it's unlike any other

Java book you've ever read. By exploiting how your brain works, Head First Java compresses the time it takes to learn and retain--complex information. Its unique approach not only shows you what you need to know about Java syntax, it teaches you to think like a Java programmer. If you want to be bored, buy some other book. But if you want to understand Java, this book's for you. MacOS Sierra: The Missing Manual Academic Press The Power Grid: Smart, Secure, Green and Reliable offers a diverse look at the traditional engineering and physics aspects of power systems, also examining the issues affecting clean power generation, power distribution, and the new security issues that could potentially affect the availability and reliability of the grid. The book looks at growth in new loads that are

consuming over 1% of all the electrical power produced, and how combining those load issues of getting power to the regions experiencing growth in energy demand can be addressed. In addition, it considers the policy issues surrounding transmission line approval by regulators. With truly multidisciplinary content, including failure analysis of various systems, photovoltaic, wind power, quality issues with clean power, high-voltage DC transmission, electromagnetic radiation, electromagnetic interference, privacy concerns, and data security, this reference is relevant to anyone interested in the broad area of power grid stability. Discusses state-of-the-art trends and issues in power grid reliability Offers guidance on purchasing or investing in new technologies Includes a technical document relevant to public policy that can help all stakeholders understand the

technical issues facing a green, secure power grid

Graph Algorithms Cambridge University Press

Our world is being revolutionized by data-driven methods: access to large amounts of data has generated new insights and opened exciting new opportunities in commerce, science, and computing applications. Processing the enormous quantities of data necessary for these advances requires large clusters, making distributed computing paradigms more crucial than ever. MapReduce is a programming model for expressing distributed computations on massive datasets and an execution framework for large-scale data processing on clusters of commodity servers. The programming model provides an easy-to-understand abstraction for designing scalable algorithms, while the execution framework transparently handles many system-level details, ranging from scheduling to synchronization to fault tolerance. This book focuses on MapReduce algorithm design, with an emphasis on text

processing algorithms common in natural language processing, information retrieval, and machine learning. We introduce the notion of MapReduce design patterns, which represent general reusable solutions to commonly occurring problems across a variety of problem domains. This book not only intends to help the reader "think in MapReduce", but also discusses limitations of the programming model as well. This volume is a printed version of a work that appears in the Synthesis Digital Library of Engineering and Computer Science. Synthesis Lectures provide concise, original presentations of important research and development topics, published quickly, in digital and print formats. For more information visit www.morganclaypool.com

Local Electricity Markets MacOS High Sierra: The Missing Manual Perfect for new and longtime Mac users, this no-fluff guide to macOS Sierra is packed with details on system preferences, the desktop, Finder, applications, and utilities.

You'll also find step-by-step instructions for printing, scanning, networking, sharing, troubleshooting, and going online. A Windows glossary makes switching to Mac (mostly) painless, and keyboard mavens will find a complete list of keyboard shortcuts. New features covered include Siri, Universal Clipboard, Auto Unlock with Apple Watch, Apple Pay, iCloud Desktop and Documents, Optimized Storage, Picture in Picture, tabbed documents, and updates to Messages, Photos, Notes, Contacts, Notification Center, System Preferences, and Finder.

- See live previews of documents, pictures, and folders.
- Ask Siri to answer questions, make recommendations, and complete common tasks.
- Use Mission Control to juggle all your open windows, desktops, and displays.
- Dock programs, documents, and folders for one-click access.
- Tag your files

to make them easy to sort and find. - Use Finder tabs to declutter your desktop. - See all your notifications in one place. - Spread your work over multiple displays. - Enhance and customize macOS with extensions. - Use iCloud to store and access the latest versions of your files and settings online. - Share iTunes, iBooks, and App Store purchases freely with your family. - Organize, view, edit, sync, and share your photos. - Sync your files, mail, contacts, appointments, reminders, notes, and messages wirelessly across your Mac, Windows PC, and iOS devices. - Get instant search results for documents, pictures, music, mail, programs, online sources, and more. - Dictate anywhere that you can type. - Play games on Game Center, Apple's online multiplayer social gaming network. - Post to Facebook and Twitter right from the app you're using. - Mirror your

Mac's screen to your HDTV wirelessly via AirPlay, or use your HDTV as a full-fledged display, complete with dock and menu bar. - Share files and printers on your home network. - Move seamlessly between your Mac, iPhone, iPad, and iPod touch, or use them together. - Connect to wireless networks with a couple of clicks. - Set up and manage printers, scanners, and other devices. - Download and install macOS, apps, and updates from the Mac App Store. - Secure your data from thieves and snoops. - Plenty of tips, tricks, and timesavers. - Fully cross-referenced, linked, and searchable. Contents 1. macOS Basics 2. The Desktop 3. System Preferences 4. Files, Folders & Drives 5. Programs & Documents 6. Printing, Faxing & Fonts 7. Networks & Sharing 8. Internet Connections 9. Security & Privacy 10. Maintenance & Backups 11. Switching from Windows 12. Keyboard Shortcuts

Annals of the Former World
Questing Vole Press
Local Electricity Markets introduces the fundamental characteristics, needs, and constraints shaping the design and implementation of local electricity markets. It addresses current proposed local market models and lessons from their limited practical implementation. The work discusses relevant decision and informatics tools considered important in the implementation of local electricity markets. It also includes a review on management and trading platforms, including commercially available tools. Aspects of local electricity market infrastructure are identified and discussed, including physical and software infrastructure. It discusses the current regulatory frameworks available for local electricity market development internationally. The work concludes with a discussion of

barriers and opportunities for local electricity markets in the future. Delineates key components shaping the design and implementation of local electricity market structure Provides a coherent view on the enabling infrastructures and technologies that underpin local market expansion Explores the current regulatory environment for local electricity markets drawn from a global panel of contributors Exposes future paths toward widespread implementation of local electricity markets using an empirical review of barriers and opportunities Reviews relevant local electricity market case studies, pilots and demonstrators already deployed and under implementation

Backpacker Krames-Staywell

Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a

hands-on lab so you can try out and lock in your new skills. Summary You can be incredibly productive with Azure without mastering every feature, function, and service. Learn Azure in a Month of Lunches, Second Edition gets you up and running quickly, teaching you the most important concepts and tasks in 21 practical bite-sized lessons. As you explore the examples, exercises, and labs, you'll pick up valuable skills immediately and take your first steps to Azure mastery! This fully revised new edition covers core changes to the Azure UI, new Azure features, Azure containers, and the upgraded Azure Kubernetes Service. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Microsoft Azure is vast and powerful, offering virtual servers, application templates, and prebuilt services for everything from data storage to AI. To navigate it all, you need a trustworthy guide. In this book, Microsoft engineer and Azure trainer Iain Foulds focuses on core skills for creating cloud-

based applications. About the book Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. What's inside Understanding Azure beyond point-and-click Securing applications and data Automating your environment Azure services for machine learning, containers, and more About the reader This book is for readers who can write and deploy simple web or client/server applications. About the author Iain Foulds is an engineer and senior content developer with Microsoft. Table of Contents PART 1 - AZURE CORE SERVICES 1 Before you begin 2 Creating a virtual machine 3 Azure Web Apps 4 Introduction to Azure Storage 5 Azure Networking basics PART 2 - HIGH AVAILABILITY AND SCALE 6 Azure Resource Manager 7 High availability and redundancy 8 Load-balancing applications 9 Applications that scale 10 Global databases with Cosmos DB 11

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