

2019/01

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The Fourth Industrial Revolution Klaus Schwab 2017-01-03 The founder and executive chairman of the World Economic Forum on how the impending technological revolution will change our lives We are on the brink of the Fourth Industrial Revolution. And this one will be unlike any other in human history. Characterized by new technologies fusing the physical, digital and biological worlds, the Fourth Industrial Revolution will impact all disciplines, economies and industries - and it will do so at an unprecedented rate. World Economic Forum data predicts that by 2025 we will see: commercial use of nanomaterials 200 times stronger than steel and a million times thinner than human hair; the first transplant of a 3D-printed liver; 10% of all cars on US roads being driverless; and much more

besides. In The Fourth Industrial Revolution, Schwab outlines the key technologies driving this revolution, discusses the major impacts on governments, businesses, civil society and individuals, and offers bold ideas for what can be done to shape a better future for all.

IFRS 16 New Lease Accounting Sajal Arora 2020-03-01 The new era of lease accounting has been started with the introduction of International Financial Reporting Standard (IFRS) 16 – Leases. Leasing is a common form of finance for many businesses and will affect most of the companies involved in leasing and especially in sectors like the airline, telecom, retail, and shipping. Listed companies around the world having approx. The US \$ 3.3 trillion worth of leases. The IFRS 16 will have a substantial impact on the financial statements and will improve the quality of financial

information. This standard will bring significant transparency of companies' lease commitments. This book brings together 360 views from the computation of the present value of lease liability, accounting, presentation, disclosures, taxation impact, subsequent modification and many more.

Practical Linux Forensics Bruce Nikkel 2021-12-21 A resource to help forensic investigators locate, analyze, and understand digital evidence found on modern Linux systems after a crime, security incident or cyber attack. Practical Linux Forensics dives into the technical details of analyzing postmortem forensic images of Linux systems which have been misused, abused, or the target of malicious attacks. It helps forensic investigators locate and analyze digital evidence found on Linux desktops, servers, and IoT devices. Throughout the book, you learn how to identify digital artifacts which may be of interest to an investigation, draw logical conclusions, and reconstruct past activity from incidents. You'll learn how Linux works from a digital forensics and investigation perspective, and how to interpret evidence from Linux environments. The techniques shown are intended to be independent of the forensic analysis platforms and tools used. Learn how to: • Extract evidence from storage devices and analyze partition tables, volume managers, popular Linux filesystems (Ext4, Btrfs, and Xfs), and encryption • Investigate evidence from Linux logs, including

traditional syslog, the systemd journal, kernel and audit logs, and logs from daemons and applications • Reconstruct the Linux startup process, from boot loaders (UEFI and Grub) and kernel initialization, to systemd unit files and targets leading up to a graphical login • Perform analysis of power, temperature, and the physical environment of a Linux machine, and find evidence of sleep, hibernation, shutdowns, reboots, and crashes • Examine installed software, including distro installers, package formats, and package management systems from Debian, Fedora, SUSE, Arch, and other distros • Perform analysis of time and Locale settings, internationalization including language and keyboard settings, and geolocation on a Linux system • Reconstruct user login sessions (shell, X11 and Wayland), desktops (Gnome, KDE, and others) and analyze keyrings, wallets, trash cans, clipboards, thumbnails, recent files and other desktop artifacts • Analyze network configuration, including interfaces, addresses, network managers, DNS, wireless artifacts (Wi-Fi, Bluetooth, WWAN), VPNs (including WireGuard), firewalls, and proxy settings • Identify traces of attached peripheral devices (PCI, USB, Thunderbolt, Bluetooth) including external storage, cameras, and mobiles, and reconstruct printing and scanning activity

Implementing IBM VM Recovery Manager for IBM Power Systems Dino Quintero 2020-02-07 This IBM® Redbooks® publication describes the IBM

VM Recovery Manager for Power Systems, and addresses topics to help answer customers' complex high availability (HA) and disaster recovery (DR) requirements for IBM AIX® and Linux on IBM Power Systems servers to help maximize systems' availability and resources, and provide technical documentation to transfer the how-to skills to users and support teams. The IBM VM Recovery Manager for Power Systems product is an easy to use and economical HA and DR solution. Automation software, installation services, and remote-based software support help you streamline the process of recovery, which raises availability and recovery testing, and maintains a state-of-the-art HA and DR solution. Built-in functions and IBM Support can decrease the need for expert-level skills and shorten your recovery time objective (RTO), improve your recovery point objective (RPO), optimize backups, and better manage growing data volumes. This book examines the IBM VM Recovery Manager solution, tools, documentation, and other resources that are available to help technical teams develop, implement, and support business resilience solutions in IBM VM Recovery Manager for IBM Power Systems environments. This publication targets technical professionals (consultants, technical support staff, IT Architects, and IT Specialists) who are responsible for providing HA and DR solutions and support for IBM Power Systems.

IBM PowerHA SystemMirror V7.2.3 for IBM AIX and V7.22 for Linux Dino Quintero 2020-04-16 This IBM® Redbooks® publication helps strengthen the position of the IBM PowerHA® SystemMirror® for Linux solution with well-defined and documented deployment models within an IBM Power Systems™ environment, which provides customers a planned foundation for business resilience and disaster recovery (DR) for their IBM Power Systems infrastructure solutions. This book addresses topics to help answer customers' complex high availability (HA) and DR requirements for IBM AIX® and Linux on IBM Power Systems servers to help maximize system availability and resources and provide technical documentation to transfer the how-to-skills to users and support teams. This publication is targeted at technical professionals (consultants, technical support staff, IT architects, and IT specialists) who are responsible for providing HA and DR solutions and support for IBM PowerHA SystemMirror for AIX and Linux Standard and Enterprise Editions on IBM Power Systems servers.

Hands-On Microservices with Rust Denis Kolodin 2019-01-31 A comprehensive guide in developing and deploying high performance microservices with Rust Key Features Start your microservices journey and get a broader perspective on microservices development using RUST 2018, Build, deploy, and test microservices using AWS Explore advanced techniques for developing microservices such as actor model, Requests

Routing, and threads

Book Description Microservice architecture is sweeping the world as the de facto pattern for building web-based applications. Rust is a language particularly well-suited for building microservices. It is a new system programming language that offers a practical and safe alternative to C. This book describes web development using the Rust programming language and will get you up and running with modern web frameworks and crates with examples of RESTful microservices creation. You will deep dive into Reactive programming, and asynchronous programming, and split your web application into a set of concurrent actors. The book provides several HTTP-handling examples with manageable memory allocations. You will walk through stateless high-performance microservices, which are ideally suitable for computation or caching tasks, and look at stateful microservices, which are filled with persistent data and database interactions. As we move along, you will learn how to use Rust macros to describe business or protocol entities of our application and compile them into native structs, which will be performed at full speed with the help of the server's CPU. Finally, you will be taken through examples of how to test and debug microservices and pack them into a tiny monolithic binary or put them into a container and deploy them to modern cloud platforms such as AWS. What you will learn

Get acquainted with leveraging Rust web programming

Get to grips

with various Rust crates, such as hyper, Tokio, and Actix

Explore RESTful microservices with Rust

Understand how to pack Rust code to a container using Docker

Familiarize yourself with Reactive microservices

Deploy your microservices to modern cloud platforms such as AWS

Who this book is for

This book is for developers who have basic knowledge of RUST, and want to learn how to build, test, scale, and manage RUST microservices. No prior experience of writing microservices in RUST is assumed.

The Hype Machine Sinan Aral 2020-09-15 A landmark insider's tour of how social media affects our decision-making and shapes our world in ways both useful and dangerous, with critical insights into the social media trends of the 2020 election and beyond "The book might be described as prophetic. . . . At least two of Aral's three predictions have come to fruition."—New York

NAMED ONE OF THE BEST BOOKS OF THE YEAR BY WIRED • LONGLISTED FOR THE PORCHLIGHT BUSINESS BOOK AWARD

Social media connected the world—and gave rise to fake news and increasing polarization. It is paramount, MIT professor Sinan Aral says, that we recognize the outside effect social media has on us—on our politics, our economy, and even our personal health—in order to steer today's social technology toward its great promise while avoiding the ways it can pull us apart. Drawing on decades of his own research and business experience, Aral goes under the hood of the most powerful social networks

to tackle the critical question of just how much social media actually shapes our choices, for better or worse. He shows how the tech behind social media offers the same set of behavior influencing levers to everyone who hopes to change the way we think and act—from Russian hackers to brand marketers—which is why its consequences affect everything from elections to business, dating to health. Along the way, he covers a wide array of topics, including how network effects fuel Twitter’s and Facebook’s massive growth, the neuroscience of how social media affects our brains, the real consequences of fake news, the power of social ratings, and the impact of social media on our kids. In mapping out strategies for being more thoughtful consumers of social media, The Hype Machine offers the definitive guide to understanding and harnessing for good the technology that has redefined our world overnight.

Python 3.x
Python
Scrapy

Comete - Comets Pier Paolo Ricci 2013-05-30 Questo libro, il nono di una serie di dieci, rappresenta una estesa trattazione di quanto presente sul mio sito riguardo le comete ed i fenomeni ad esse correlate. Vengono qui esaminati gli elementi orbitali delle comete periodiche e non periodiche,

con le date dei perielii per decenni, le magnitudini, l'evoluzione degli elementi, le classiche effemeridi, ecc. Questo non e un manuale tecnico e di difficile lettura, ma una descrizione completa e molto dettagliata su quello che il cielo ci offre durante la nostra vita, quindi ogni tabella e pronta all'uso ed ogni evento riportato sara facilmente visibile ad occhio nudo od eventualmente con un modestissimo binocolo. Un'opera per astrofili, per astronomi, per professionisti o semplici appassionati. This book, the ninth in a series of ten, is an extended discussion of that on my website about the comets.

Representing Australian Aboriginal Music and Dance 1930-1970

Amanda Harris 2020-09-03 Shortlisted for the 2021 Prime Minister's Literary Award for Australian History. Representing Australian Aboriginal Music and Dance 1930-1970 offers a rethinking of recent Australian music history. Amanda Harris presents accounts of Aboriginal music and dance by Aboriginal performers on public stages. Harris also historicizes the practices of non-Indigenous art music composers evoking Aboriginal music in their works, placing this in the context of emerging cultural institutions and policy frameworks. Centralizing auditory worlds and audio-visual evidence, Harris shows the direct relationship between the limits on Aboriginal people's mobility and non-Indigenous representations of Aboriginal culture. This book seeks to listen to Aboriginal accounts of

disruption and continuation of Aboriginal cultural practices and features contributions from Aboriginal scholars Shannon Foster, Tiriki Onus and Nardi Simpson as personal interpretations of their family and community histories. Contextualizing recent music and dance practices in broader histories of policy, settler colonial structures, and postcolonizing efforts, the book offers a new lens on the development of Australian musical cultures.

EIB Working Papers 2019/01 - Blockchain, FinTechs European

Investment Bank 2019-04-29 The purpose of this working paper is to provide a primer on financial technology and on Blockchain, while shedding light on the impact they may have on the financial industry. FinTechs, the financial technology and innovation that competes with traditional financial methods in the delivery of financial services, has the potential to improve the reach of financial services to the broader public and facilitate the creation of a credit record, especially in the developing world.

Hands On Google Cloud SQL and Cloud Spanner Navin Sabharwal

2019-12-16 Discover the methodologies and best practices for getting started with Google Cloud Platform relational services – CloudSQL and CloudSpanner. The book begins with the basics of working with the Google Cloud Platform along with an introduction to the database technologies available for developers from Google Cloud. You'll then take an in-depth hands on journey into Google CloudSQL and CloudSpanner,

including choosing the right platform for your application needs, planning, provisioning, designing and developing your application. Sample applications are given that use Python to connect to CloudSQL and CloudSpanner, along with helpful features provided by the engines. You'll also implement practical best practices in the last chapter. Hands On Google Cloud SQL and Cloud Spanner is a great starting point to apply GCP data offerings in your technology stack and the code used allows you to try out the examples and extend them in interesting ways. What You'll Learn Get started with Big Data technologies on the Google Cloud Platform Review CloudSQL and Cloud Spanner from basics to administration Apply best practices and use Google's CloudSQL and CloudSpanner offering Work with code in Python notebooks and scripts Who This Book Is For Application architects, database architects, software developers, data engineers, cloud architects.

Python for Finance Yves Hilpisch 2018-12-05 The financial industry has recently adopted Python at a tremendous rate, with some of the largest investment banks and hedge funds using it to build core trading and risk management systems. Updated for Python 3, the second edition of this hands-on book helps you get started with the language, guiding developers and quantitative analysts through Python libraries and tools for building financial applications and interactive financial analytics. Using

practical examples throughout the book, author Yves Hilpisch also shows you how to develop a full-fledged framework for Monte Carlo simulation-based derivatives and risk analytics, based on a large, realistic case study. Much of the book uses interactive IPython Notebooks.

R Cookbook JD Long 2019-06-21 Perform data analysis with R quickly and efficiently with more than 275 practical recipes in this expanded second edition. The R language provides everything you need to do statistical work, but its structure can be difficult to master. These task-oriented recipes make you productive with R immediately. Solutions range from basic tasks to input and output, general statistics, graphics, and linear regression. Each recipe addresses a specific problem and includes a discussion that explains the solution and provides insight into how it works. If you're a beginner, R Cookbook will help get you started. If you're an intermediate user, this book will jog your memory and expand your horizons. You'll get the job done faster and learn more about R in the process. Create vectors, handle variables, and perform basic functions Simplify data input and output Tackle data structures such as matrices, lists, factors, and data frames Work with probability, probability distributions, and random variables Calculate statistics and confidence intervals and perform statistical tests Create a variety of graphic displays Build statistical models with linear regressions and analysis of variance

(ANOVA) Explore advanced statistical techniques, such as finding clusters in your data

IBM Spectrum Discover: Metadata Management for Deep Insight of Unstructured Storage Joseph Dain 2019-10-01 This IBM® Redpaper publication provides a comprehensive overview of the IBM Spectrum® Discover metadata management software platform. We give a detailed explanation of how the product creates, collects, and analyzes metadata. Several in-depth use cases are used that show examples of analytics, governance, and optimization. We also provide step-by-step information to install and set up the IBM Spectrum Discover trial environment. 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:

- 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.

Internal Combustion Engines and Powertrain Systems for Future Transport 2019 IMECHE 2020-03-23 With the changing landscape of the transport sector, there are also alternative powertrain systems on offer that can run independently of or in conjunction with the internal combustion (IC) engine. This shift has actually helped the industry gain traction with the IC Engine market projected to grow at 4.67% CAGR during the forecast period 2019-2025. It continues to meet both requirements and challenges through continual technology advancement and innovation from the latest research. With this in mind, the contributions in Internal Combustion Engines and Powertrain Systems for Future Transport 2019 not only cover the particular issues for the IC engine market but also reflect the impact of alternative powertrains on the propulsion industry. The main topics include: • Engines for hybrid powertrains and electrification • IC engines • Fuel cells • E-machines • Air-path and other technologies achieving performance and fuel economy benefits • Advances and improvements in combustion and

ignition systems • Emissions regulation and their control by engine and after-treatment • Developments in real-world driving cycles • Advanced boosting systems • Connected powertrains (AI) • Electrification opportunities • Energy conversion and recovery systems • Modified or novel engine cycles • IC engines for heavy duty and off highway Internal Combustion Engines and Powertrain Systems for Future Transport 2019 provides a forum for IC engine, fuels and powertrain experts, and looks closely at developments in powertrain technology required to meet the demands of the low carbon economy and global competition in all sectors of the transportation, off-highway and stationary power industries.

Progress in Pathogen Identification Based on Mass Spectrometry Junping Peng 2022-02-21

QC/T 1095-2018: Translated English of Chinese Standard.

(QCT1095-2018, QC/T 1095-2018) <https://www.chinesestandard.net>

2021-10-02 [After payment, write to & get a FREE-of-charge, unprotected true-PDF from: Sales@ChineseStandard.net] This standard specifies the terms and definitions, performance requirements, test-related requirements, test methods of assist vacuum pumps used in automotive hydraulic brake systems. This standard applies to electric vacuum pumps, that provide assist vacuum pressure for vacuum booster servo devices, in automotive hydraulic brake systems.

A President's Daily Brief: Years 1-4 Micah Fisher-Kirshner

What was daily life under the Trump presidency really like?

An accessible ebook with short, thematic entries showing the corruption of the entire Trump presidency, *A President's Daily Brief, Year 1-4: The Day-by-Day Lurch of Trump's Norm-Breaking Presidency* is the full volume of Micah Fisher-Kirshner's series, representing the four years of Trump's time in power and the subversion that occurred. More than a compiled list of significant events that portray Trump as the most corrupt American president, this digestible and scannable read of in-the-moment posts pulled from news outlets and credible sources provides an intimate look at how the administration went about breaking the presidential norms on a daily basis. Readers also will have access to citations to fact-check claims.

This quick read on a Trump presidency that started off with outrage and graduated to righteous indignation is a must-have for those who enjoy history, politics, and government or simply want to read about the most notorious presidency in history.

Gas Geochemistry: New Progresses and Applications Giovanni Martinelli
2022-07-04

Beginning DAX with Power BI Philip Seamark 2018-03-31 Attention all

SQL Pros, DAX is not just for writing Excel-based formulas! Get hands-on learning and expert advice on how to use the vast capabilities of the DAX language to solve common data modeling challenges. Beginning DAX with Power BI teaches key concepts such as mapping techniques from SQL to DAX, filtering, grouping, joining, pivoting, and using temporary tables, all aimed at the SQL professional. Join author Philip Seamark as he guides you on a journey through typical business data transformation scenarios and challenges, and teaches you, step-by-step, how to resolve challenges using DAX. Tips, tricks, and shortcuts are included and explained, along with examples of the SQL equivalent, in order to accelerate learning. Examples in the book range from beginner to advanced, with plenty of detailed explanation when walking through each scenario. What You'll Learn Turbocharge your Power BI model by adding advanced DAX programming techniques Know when to use calculated measures versus calculated columns Generate new tables on the fly from existing data Optimize, monitor, and tune Power BI to improve performance of your models Discover new ideas, tricks, and time-saving techniques for better models Who This Book Is For Business intelligence developers, business analysts, or any SQL user who wants to use Power BI as a reporting tool. A solid understanding of SQL is recommended, as examples throughout the book include the DAX equivalents to SQL problem/solution scenarios.

Process Querying Methods Artem Polyvyanyy 2022-05-27 This book presents a framework for developing as well as a comprehensive collection of state-of-the-art process querying methods. Process querying combines concepts from Big Data and Process Modeling and Analysis with Business Process Intelligence and Process Analytics to study techniques for retrieving and manipulating models of real-world and envisioned processes to organize and extract process-related information for subsequent systematic use. The book comprises sixteen contributed chapters distributed over four parts and two auxiliary chapters. The auxiliary chapters by the editor provide an introduction to the area of process querying and a summary of the presented methods, techniques, and applications for process querying. The introductory chapter also examines a process querying framework. The contributed chapters present various process querying methods, including discussions on how they instantiate the framework components, thus supporting the comparison of the methods. The four parts are due to the distinctive features of the methods they include. The first three are devoted to querying event logs generated by IT-systems that support business processes at organizations, querying process designs captured in process models, and methods that address querying both event logs and process models. The methods in these three parts usually define a language for specifying process queries.

The fourth part discusses methods that operate over inputs other than event logs and process models, e.g., streams of process events, or do not develop dedicated languages for specifying queries, e.g., methods for assessing process model similarity. This book is mainly intended for researchers. All the chapters in this book are contributed by active researchers in the research disciplines of business process management, process mining, and process querying. They describe state-of-the-art methods for process querying, discuss use cases of process querying, and suggest directions for future work for advancing the field. Yet, also other groups like business or data scientists and other professionals, lecturers, graduate students, and tool vendors will find relevant information for their distinctive needs. Chapter "Celonis PQL: A Query Language for Process Mining" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Radhakishan Rawal's Analysis of the Finance Acts of 2019 and More
Radhakishan Rawal 2019-10-30 About the book This book contains detailed analysis of some of the key provisions of the Finance Acts passed during the year 2019 i.e. Finance Act, 2019 and Finance (No.2) Act, 2019. The book aims at identifying various direct and indirect tax issues arising from the newly inserted provisions in the Income Tax Act, 1961 as well as the Goods and Services Tax Act, 2017. The book also contains a detailed

chapter on Secondary Adjustment. The key direct tax issues analysed in this book are related to sections 9(1)(viii), section 79, section 92CE, section 115UB, section 194N, section 194DA and provisions related to International Financial Services Center (IFSC) of the Income Tax Act, 1961. Additionally, the book also contains other articles written by the author on issues such as GAAR and Financial Instruments, proposed Rule 10 on attribution of profits and MLI. The key indirect tax issues analysed in this book are related to section 2(102), sections 7, section 22, section 171 and section 172 of the Central Goods and Services Tax Act, 2017. Key features Analysis of direct tax law Section 9(1)(viii), section 79, section 115UB, section 194N Taxation of life insurance policy and section 194DA Secondary adjustment IFSC related provisions GAAR and Financial Instruments Attribution of profits (proposed Rule 10) MLI operations Analysis of GST law Amendment to definition of “supply” Amendment to definition of “service” Anti-profiteering and concept of “amount profiteered” National Appellate Authority for Advance Ruling

Python Selenium Robot Framework Postman Python+Requests Appium

Python Analyzing Financial Data and Implementing Financial Models Using R

Analyzing Financial Data and Implementing Financial Models Using R

Clifford S. Ang 2021-06-23 This advanced undergraduate/graduate textbook teaches students in finance and economics how to use R to analyse financial data and implement financial models. It demonstrates how to take publically available data and manipulate, implement models and generate outputs typical for particular analyses. A wide spectrum of timely and practical issues in financial modelling are covered including return and risk measurement, portfolio management, option pricing and fixed income analysis. This new edition updates and expands upon the existing material providing updated examples and new chapters on equities, simulation and trading strategies, including machine learnings techniques. Select data sets are available online.

Practical Oracle SQL Kim Berg Hansen 2020-02-19 Write powerful queries using as much of the feature-rich Oracle SQL language as possible, progressing beyond the simple queries of basic SQL as standardized in SQL-92. Both standard SQL and Oracle’s own extensions to the language have progressed far over the decades in terms of how much you can work with your data in a single, albeit sometimes complex, SQL statement. If you already know the basics of SQL, this book provides many examples of

how to write even more advanced SQL to huge benefit in your applications, such as: Pivoting rows to columns and columns to rows Recursion in SQL with MODEL and WITH clauses Answering Top-N questions Forecasting with linear regressions Row pattern matching to group or distribute rows Using MATCH_RECOGNIZE as a row processing engine The process of starting from simpler statements in SQL, and gradually working those statements stepwise into more complex statements that deliver powerful results, is covered in each example. By trying out the recipes and examples for yourself, you will put together the building blocks into powerful SQL statements that will make your application run circles around your competitors. What You Will Learn Take full advantage of advanced and modern features in Oracle SQL Recognize when modern SQL constructs can help create better applications Improve SQL query building skills through stepwise refinement Apply set-based thinking to process more data in fewer queries Make cross-row calculations with analytic functions Search for patterns across multiple rows using row pattern matching Break complex calculations into smaller steps with subquery factoring Who This Book Is For Oracle Database developers who already know some SQL, but rarely use features of the language beyond the SQL-92 standard. And it is for developers who would like to apply the more modern features of Oracle SQL, but don't know where to

start. The book also is for those who want to write increasingly complex queries in a stepwise and understandable manner. Experienced developers will use the book to develop more efficient queries using the advanced features of the Oracle SQL language.

Passive and Active Measurement Oliver Hohlfeld

Fieldwork Ready Sara Vero 2021-03-03 Discover how to plan, conduct, and interpret field research with this essential new guidebook Good field research is the driving force behind advancement in the agronomic, environmental, and soil sciences. Nevertheless, many undergraduate and graduate scientists have limited opportunity to develop hands-on experience before undertaking projects in the field. With **Fieldwork Ready**, Dr Sara Vero maps out the fundamental principles, methods, and management techniques that underpin this crucial practice, offering trainee researchers an accessible introduction to the world of on-site investigation. This instructive text includes: Guidance on the essential aspects of environmental monitoring and soil, water, plant, and wildlife research Insights into the methods behind experiment planning and effective fieldwork Tips for team management and safety Explanations of how to select and correctly use soil sampling equipment Offering new researchers a primer that is practical and easy to follow, **Fieldwork Ready** is the ideal starting point for all those beginning a career in the agricultural sciences.

A President's Daily Brief: Year 2 Micah Fisher-Kirshner

What was daily life under the Trump presidency really like?

An accessible ebook with short, thematic entries showing the corruption of the Trump presidency, *A President's Daily Brief, Year 2: The Day-by-Day Lurch of Trump's Norm-Breaking Presidency* is the second in Micah Fisher-Kirshner's series, representing the second year of Trump's time in power and the subversion that occurred. More than a compiled list of significant events that portray Trump as the most corrupt American president, this digestible and scannable read of in-the-moment posts pulled from news outlets and credible sources provides an intimate look at how the administration went about breaking the presidential norms on a daily basis. Readers also will have access to citations to fact-check claims.

This quick read on a Trump presidency that started off with outrage and graduated to righteous indignation is a must-have for those who enjoy history, politics, and government or simply want to read about the most notorious presidency in history.

Graph-Powered Machine Learning Alessandro Negro 2021-10-05 At its core, machine learning is about efficiently identifying patterns and relationships in data. Many tasks, such as finding associations among

terms so you can make accurate search recommendations or locating individuals within a social network who have similar interests, are naturally expressed as graphs. Graph-Powered Machine Learning introduces you to graph technology concepts, highlighting the role of graphs in machine learning and big data platforms. You'll get an in-depth look at techniques including data source modeling, algorithm design, link analysis, classification, and clustering. As you master the core concepts, you'll explore three end-to-end projects that illustrate architectures, best design practices, optimization approaches, and common pitfalls. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Expert T-SQL Window Functions in SQL Server 2019 Kathi Kellenberger 2019-10-21 Become an expert who can use window functions to solve T-SQL query problems. Replace slow cursors and self-joins with queries that are easy to write and perform better. This new edition provides expanded examples, including a chapter from the world of sports, and covers the latest performance enhancements through SQL Server 2019. Window functions are useful in analytics and business intelligence reporting. They came into full blossom with SQL Server 2012, yet they are not as well known and used as often as they ought to be. This group of functions is one of the most notable developments in SQL, and this book shows how

every developer and DBA can benefit from their expressive power in solving day-to-day business problems. Once you begin using window functions, such as ROW_NUMBER and LAG, you will discover many ways to use them. You will approach SQL Server queries in a different way, thinking about sets of data instead of individual rows. Your queries will run faster, be easier to write, and easier to deconstruct, maintain, and enhance in the future. Just knowing and using these functions is not enough. You also need to understand how to tune the queries. Expert T-SQL Window Functions in SQL Server clearly explains how to get the best performance. The book also covers the rare cases when older techniques are the best bet. What You Will Learn Solve complex query problems without cumbersome self-joins that run slowly and are difficult to read Create sliding windows in a result set for computing such as running totals and moving averages Return aggregate and detail data simultaneously from the same SELECT statement Compute lag and lead and other values that access data from multiple rows in a result set Understand the OVER clause syntax and how to control the window Avoid framing errors that can lead to unexpected results Who This Book Is For Anyone who writes T-SQL queries, including database administrators, developers, business analysts, and data scientists. Before reading this book, you should understand how to join tables, write WHERE clauses, and build aggregate

queries.

Effective Trading in Financial Markets Using Technical Analysis Smita Roy Trivedi 2020-10-29 This book provides a comprehensive guide to effective trading in the financial markets through the application of technical analysis through the following: Presenting in-depth coverage of technical analysis tools (including trade set-ups) as well as backtesting and algorithmic trading Discussing advanced concepts such as Elliott Waves, time cycles and momentum, volume, and volatility indicators from the perspective of the global markets and especially India Blending practical insights and research updates for professional trading, investments, and financial market analyses Including detailed examples, case studies, comparisons, figures, and illustrations from different asset classes and markets in simple language The book will be essential for scholars and researchers of finance, economics and management studies, as well as professional traders and dealers in financial institutions (including banks) and corporates, fund managers, investors, and anyone interested in financial markets.

Julia Programming Projects Adrian Salceanu 2018-12-26 A step-by-step guide that demonstrates how to build simple-to-advanced applications through examples in Julia Lang 1.x using modern tools Key Features Work with powerful open-source libraries for data wrangling, analysis, and

visualizationDevelop full-featured, full-stack web applications Learn to perform supervised and unsupervised machine learning and time series analysis with JuliaBook Description Julia is a new programming language that offers a unique combination of performance and productivity. Its powerful features, friendly syntax, and speed are attracting a growing number of adopters from Python, R, and Matlab, effectively raising the bar for modern general and scientific computing. After six years in the making, Julia has reached version 1.0. Now is the perfect time to learn it, due to its large-scale adoption across a wide range of domains, including fintech, biotech, education, and AI. Beginning with an introduction to the language, Julia Programming Projects goes on to illustrate how to analyze the Iris dataset using DataFrames. You will explore functions and the type system, methods, and multiple dispatch while building a web scraper and a web app. Next, you'll delve into machine learning, where you'll build a books recommender system. You will also see how to apply unsupervised machine learning to perform clustering on the San Francisco business database. After metaprogramming, the final chapters will discuss dates and time, time series analysis, visualization, and forecasting. We'll close with package development, documenting, testing and benchmarking. By the end of the book, you will have gained the practical knowledge to build real-world applications in Julia. What you will learnLeverage Julia's

strengths, its top packages, and main IDE optionsAnalyze and manipulate datasets using Julia and DataFramesWrite complex code while building real-life Julia applicationsDevelop and run a web app using Julia and the HTTP packageBuild a recommender system using supervised machine learning Perform exploratory data analysis Apply unsupervised machine learning algorithmsPerform time series data analysis, visualization, and forecastingWho this book is for Data scientists, statisticians, business analysts, and developers who are interested in learning how to use Julia to crunch numbers, analyze data and build apps will find this book useful. A basic knowledge of programming is assumed.

Handbook of Research on the Internet of Things Applications in Robotics and Automation Singh, Rajesh 2019-09-13 With near-universal internet access and ever-advancing electronic devices, the ability to facilitate interactions between various hardware and software provides endless possibilities. Though internet of things (IoT) technology is becoming more popular among individual users and companies, more potential applications of this technology are being sought every day. There is a need for studies and reviews that discuss the methodologies, concepts, and possible problems of a technology that requires little or no human interaction between systems. The Handbook of Research on the Internet of Things Applications in Robotics and Automation is a pivotal reference

source on the methods and uses of advancing IoT technology. While highlighting topics including traffic information systems, home security, and automatic parking, this book is ideally designed for network analysts, telecommunication system designers, engineers, academicians, technology specialists, practitioners, researchers, students, and software developers seeking current research on the trends and functions of this life-changing technology.

Guilty By Reason of Insanity David Limbaugh 2019-10-29 "Today's Democrats are pushing policies that are simply insane, and David Limbaugh proves it in his terrific, and tremendously important, new book, *Guilty by Reason of Insanity*." – MARK LEVIN "Few pundits can match David Limbaugh for research, depth of knowledge, and political insight, and in this book, perhaps his best political book, he shows how the Democrat Party has completely lost its mind." – SEAN HANNITY The left has truly lost its mind. The party out of power used to be "the loyal opposition." No longer. Now it's "the Resistance." The left, abandoning any pretense of fairness and decency, has declared political war on President Trump. Waged by a stunningly broad array of militants—the Democratic Party, countless left-wing interest groups, radical academics, the liberal mainstream media, Antifa shock troops, Hollywood, and the tech oligarchs—this political war is aimed not only at conservative ideas but also

at Trump supporters, even teenagers wearing MAGA hats. In his shocking new book, *Guilty by Reason of Insanity*, national #1 bestselling author David Limbaugh explains how the left lost its mind—and the threat it now poses to us all. No book you read this year could be more important.

Arista Warrior Gary A. Donahue 2019-06-28 Arista Networks has become a key player when it comes to software-driven cloud networking solutions for large data center storage and computing environments. In this updated edition of *Arista Warrior*, renowned consultant and technical author Gary Donahue Network Arista Networks has become a key player when it comes to software-driven cloud networking solutions for large data center, storage, and computing environments, and with their continued expansion and growth since the first edition was released, this book is a welcome update. In this updated edition of *Arista Warrior*, renowned trainer, consultant, and technical author Gary A. Donahue (Network Warrior) provides an in-depth, objective guide to Arista's products explains why its network switches, software products, and Extensible Operating System (EOS) are so effective. Anyone with a CCNA or equivalent knowledge will benefit from this book, especially entrenched administrators, engineers, or architects tasked with building an Arista network. Is Arista right for your network? Pick up this in-depth guide and find out. In addition to the topics covered in the first edition, this book also includes: Configuration

Management: Config sessions, config replace, etc. CloudVision: Arista's management, workload orchestration, workflow automation, configuration, and telemetry tool VXLAN: Layer-2 overlay networking FlexRoute: Two million routes in hardware Tap Aggregation: Make your switch or blade into a Tap Aggregation device Advanced Mirroring: Mirror to a port-channel or even the CPU Network Design: A quick overview of the Arista recommended network designs vEOS: Arista's Extensible Operating System in a VM with step-by-step instructions cEOS: Arista's EOS in a container with examples eAPI: Arista's fabulous extended Application Programmable Interface

QC/T 491-2018: Translated English of Chinese Standard. (QCT491-2018)

<https://www.chinesestandard.net> 2022-06-04 This standard specifies the technical requirements, test methods, inspection rules and marking, packaging, transportation, storage of the power sliding doors, for category M1 automobile, which is driven by synchronous pulley or cable. This standard is applicable to the power sliding door system for automobiles, which have a nominal voltage of 12V and 24V.

EIB Working Papers 2019/01 - Blockchain, FinTechs and Their Relevance for International Financial Institutions (Volume 2019/1). Emmanouil

Davradakis 2019 This paper provides an introduction to financial

technology and blockchain, while exploring:the impact of FinTechs and TechFins on the financial sector,a description of blockchain technology and its applications, with a focus on cryptocurrencies,the impact on financial inclusion,risks and challenges,applications for international financial institutions and their clients.

Applications in Energy Finance Christos Floros 2022-06-15 This textbook investigates the linkages between energy-commodities markets, financial markets and the economy and incorporates different aspects of the energy market, organizing the relevant material in two distinct parts. Part one includes studies that relate to the impact of developments in the various energy-commodities markets (e.g., oil, gas) both on financial markets and economic growth, including studies that consider the impact of energy prices on financial markets or the effect on specific macroeconomic variables, such as interest rates, inflation, GDP. Part two discusses developments in the energy market from a climate change or green financing point of view, further considering issues that relate to climate finance, green investing, as well as policy making relating to GHG Emissions. By introducing a multitude of topics in energy finance, this textbook provides a holistic view of the market and its importance

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