2018/01

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PostgreSQL 10 High Performance Enrico Pirozzi 2018-04-30 PostgreSQL is increasingly utilized in all kind of applications, starting from desktop to web and mobile applications. In this book, you will find the best ways to design, monitor and maintain your PostgreSQL solution, with suggestions and tips for high performance, troubleshooting and high availability.

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

Joe Celko's SQL for Smarties Joe Celko 2010-11-22 Joe Celkos SQL for Smarties: Advanced SQL Programming offers tips and techniques in advanced programming. This book is the fourth edition and it consists of 39 chapters, starting with a comparison between databases and file systems. It covers transactions and currency control, schema level objects, locating data and schema numbers, base tables, and auxiliary tables. Furthermore, procedural, semi-procedural, and declarative programming are explored in this book. The book also presents the different normal forms in database normalization, including the first, second, third, fourth, fifth, elementary key, domain-key, and Boyce-Codd normal forms. It also offers practical hints for normalization and denormalization. The book discusses different data types, such as the numeric, temporal and character data types; the different predicates; and the simple and advanced SELECT statements. In addition, the book presents virtual tables, and it discusses data partitions in queries; grouping operations; simple aggregate functions; and descriptive statistics, matrices and graphs in SQL. The book concludes with a discussion about optimizing SQL. It will be of great value to SQL programmers. Expert advice from a noted SQL authority and award-winning columnist who has given ten years service to the ANSI SQL standards committee Teaches scores of advanced techniques that can be used with any product, in any SQL environment, whether it is an SQL 92 or SQL 2008 environment Offers tips for working around deficiencies and gives insight into real-world challenges

Contemporary Issues in International Political Economy Fu-Lai Tony Yu 2019-05-22 This book is the product of a team-teaching course entitled, "Issues in Economic Development" offered to the final-year students of Department of Economics and Finance at Hong Kong Shue Yan University. In this volume, the authors comprehensively survey world's most controversial issues in economic and political affairs. Topics in this volume cover Christianity-Islam confrontation; ISIS and anti-terrorism; North Korea and Taiwan-Strait Crises; China's rise as a global power; Brexit; Artificial Intelligence; Bitcoin; same sex marriage; global warming; happiness and well-being. This book can be used as a reader or textbook in courses such as "International Political Economy" and "International Development", or as a reference for scholars and policy makers.

A President's Daily Brief: Year 1 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 1: The Day-by-Day Lurch of Trump's Norm-Breaking Presidency* is the first in Micah Fisher-Kirshner's series, representing the inaugural 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.

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Advanced Portfolio Management Giuseppe A. Paleologo 2021-08-10 You have great investment ideas. If you turn them into highly profitable portfolios, this book is for you. Advanced Portfolio Management: A Quant's Guide for Fundamental Investors is for fundamental equity analysts and portfolio managers, present, and future. Whatever stage you are at in your career, you have valuable investment ideas but always need knowledge to turn them into money. This book will introduce you to a framework for portfolio construction and risk management that is grounded in sound theory and tested by successful fundamental portfolio managers. The emphasis is on theory relevant to fundamental portfolio managers that works in practice, enabling you to convert ideas into a strategy portfolio that is both profitable and resilient. Intuition always comes first, and this book helps to lay out simple but effective "rules of thumb" that require little effort to implement and understand. At the same time, the book shows how to implement sophisticated techniques in order to meet the challenges a successful investor faces as his or her strategy grows in size and complexity. Advanced Portfolio Management also contains more advanced material and a quantitative appendix, which benefit quantitative researchers who are members of fundamental teams. You will learn how to: Separate stock-specific return drivers from the investment environment's return drivers Understand current investment themes Size your cash positions based on Your investment ideas Understand your performance Measure and decompose risk Hedge the risk you don't want Use diversification to your advantage Manage losses and control tail risk Set your leverage Author Giuseppe A. Paleologo has consulted, collaborated, taught, and drank strong wine with some of the best stock-pickers in the world; he has traded tens of billions of dollars hedging and optimizing their books and has helped them navigate through big drawdowns and even bigger recoveries. Whether or not you have access to risk models or advanced mathematical background, you will benefit from the techniques and the insights contained in the book—and won't find them covered anywhere else.

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.

Financial Statistics and Data Analytics Shuangzhe Li 2021-03-02 Modern financial management is largely about risk management, which is increasingly data-driven. The problem is how to extract information from the data overload. It is here that advanced statistical and machine learning techniques can help. Accordingly, finance, statistics, and data analytics go hand in hand. The purpose of this book is to bring the state-of-art research in these three areas to the fore and especially research that juxtaposes these three.

The Linux Command Line, 2nd Edition William Shotts 2019-03-05 You've experienced the shiny, point-and-click surface of your Linux computer--now dive below and explore its depths with the power of the command line. The Linux Command Line takes you from your very first terminal keystrokes to writing full programs in Bash, the most popular Linux shell (or command line). Along the way you'll learn the timeless skills handed down by generations of experienced, mouse-shunning gurus: file navigation, environment configuration, command chaining, pattern matching with regular expressions, and more. In addition to that practical knowledge, author William Shotts reveals the philosophy behind these tools and the rich heritage that your desktop Linux machine has inherited from Unix supercomputers of yore. As you make your way through the book's short, easily-digestible chapters, you'll learn how to: • Create and delete files, directories, and symlinks • Administer your system, including networking, package installation, and process management • Use standard input and output, redirection, and pipelines • Edit files with Vi, the world's most popular text editor • Write shell scripts to automate common or boring tasks • Slice and dice text files with cut, paste, grep, patch, and sed Once you overcome your initial "shell shock," you'll find that the command line is a natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust.

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.

Hands-On Data Analysis with Pandas Stefanie Molin 2019-07-26 Get to grips with pandas—a versatile and high-performance Python library for data manipulation, analysis, and discovery Key FeaturesPerform efficient data analysis and manipulation tasks using pandasApply pandas to different real-world domains using step-by-step demonstrationsGet accustomed to using pandas as an effective data exploration toolBook Description Data analysis has become a necessary skill in a variety of positions where knowing how to work with data and extract insights can generate significant value. Hands-On Data Analysis with Pandas will show you how to analyze your data, get started with machine learning, and work effectively with Python libraries often used for data science, such as pandas, NumPy, matplotlib, seaborn, and scikit-learn. Using real-world datasets, you will learn how to use the powerful pandas library to perform data wrangling to reshape, clean, and aggregate your data. Then, you will learn how to conduct exploratory data analysis by calculating summary statistics and visualizing the data to find patterns. In the concluding chapters, you will explore some applications of anomaly detection, regression, clustering, and classification, using scikit-learn, to make predictions based on past data. By the end of this book, you will be equipped with the skills you need to use pandas to ensure the veracity of your data, visualize it for effective decision-making, and reliably reproduce analyses across multiple datasets. What you will learnUnderstand how data analysts and scientists gather and analyze dataPerform data analysis and data wrangling in PythonCombine, group, and aggregate data from multiple sourcesCreate data visualizations with pandas, matplotlib, and seabornApply machine learning (ML) algorithms to identify patterns and make predictionsUse Python data science libraries to analyze real-world datasetsUse pandas to solve common data representation and analysis problemsBuild Python scripts, modules, and packages for reusable analysis codeWho this book is for This book is for data analysts, data science beginners, and Python developers who want to explore each stage of data analysis and scientific computing using a wide range of datasets. You will also find this book useful if you are a data scientist who is looking to implement pandas in machine learning. Working knowledge of Python programming language will be beneficial.

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Learning Kali Linux Ric Messier 2018-07-17 With more than 600 security tools in its arsenal, the Kali Linux distribution can be overwhelming.

Experienced and aspiring security professionals alike may find it challenging to select the most appropriate tool for conducting a given test. This practical book covers Kali's expansive security capabilities and helps you identify the tools you need to conduct a wide range of security tests and penetration tests. You'll also explore the vulnerabilities that make those tests necessary. Author Ric Messier takes you through the foundations of Kali Linux and explains methods for conducting tests on networks, web applications, wireless security, password vulnerability, and more. You'll discover different techniques for extending Kali tools and creating your own toolset. Learn tools for stress testing network stacks and applications Perform network reconnaissance to determine what's available to attackers Execute penetration tests using automated exploit tools such as Metasploit Use cracking tools to see if passwords meet complexity requirements Test wireless capabilities by injecting frames and cracking passwords Assess web application vulnerabilities with automated or proxy-based tools Create advanced attack techniques by extending Kali tools or developing your own Use Kali Linux to generate reports once testing is complete

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Development and Application of Bituminous Materials for Civil Infrastructures Hui Yao 2021-10-22

Artificial Intelligence with Python Teik Toe Teoh

Building Machine Learning and Deep Learning Models on Google Cloud Platform Ekaba Bisong 2019-09-27 Take a systematic approach to understanding the fundamentals of machine learning and deep learning from the ground up and how they are applied in practice. You will use this comprehensive guide for building and deploying learning models to address complex use cases while leveraging the computational resources of Google Cloud Platform. Author Ekaba Bisong shows you how machine learning tools and techniques are used to predict or classify events based on a set of interactions between variables known as features or attributes in a particular dataset. He teaches you how deep learning extends the machine learning algorithm of neural networks to learn complex tasks that are difficult for computers to perform, such as recognizing faces and understanding languages. And you will know how to leverage cloud computing to accelerate data science and machine learning deployments. Building Machine Learning and Deep Learning Models on Google Cloud Platform is divided into eight parts that cover the fundamentals of machine learning and deep learning, the concept of data science and cloud services, programming for data science using the Python stack, Google Cloud Platform (GCP) infrastructure and products, advanced analytics on GCP, and deploying end-to-end machine learning solution pipelines on GCP. What You'll Learn Understand the principles and fundamentals of machine learning and deep learning, the algorithms, how to use them, when to use them, and how to interpret your results Know the programming concepts relevant to machine and deep learning design and development using the Python stack Build and interpret machine and deep learning models Use Google Cloud Platform tools and services to develop and deploy large-scale machine learning and deep learning products Be aware of the different facets and design choices to consider when modeling a learning problem Productionalize machine learning models into software products Who This Book Is For Beginners to the practice of data science and applied machine learning, data scientists at all levels, machine learning engineers, Google Cloud Platform data engineers/architects, and software developers

Data Science for Healthcare Sergio Consoli 2019-02-23 This book seeks to promote the exploitation of data science in healthcare systems. The focus is on advancing the automated analytical methods used to extract new knowledge from data for healthcare applications. To do so, the book draws on several interrelated disciplines, including machine learning, big data analytics, statistics, pattern recognition, computer vision, and Semantic Web technologies, and focuses on their direct application to healthcare. Building on three tutorial-like chapters on data science in healthcare, the following eleven chapters highlight success stories on the application of data science in healthcare, where data science and artificial intelligence technologies have proven to be very promising. This book is primarily intended for data scientists involved in the healthcare or medical sector. By reading this book, they will gain essential insights into the modern data science technologies needed to advance innovation for both healthcare businesses and patients. A basic grasp of data science is recommended in order to fully benefit from this book.

Industrial Networks and Intelligent Systems Nguyen-Son Vo 2021-05-27 This book constitutes the refereed proceedings of the 7th EAI International Conference on Industrial Networks and Intelligent Systems, INISCOM 2021, held in Hanoi, Vietnam, in April 2021. The 39 full papers were selected from XX submissions and are organized thematically in tracks on telecommunications systems and networks; hardware, software and application designs; information processing and data analysis; industrial networks and intelligent systems; security and privacy.

Approved Drug Products with Therapeutic Equivalence Evaluations - FDA Orange Book 32nd Edition (2012) Food and Drug Administration 2012 FDA Orange Book 32nd Edition - 2012 (Approved Drug Products With Therapeutic Equivalence Evaluations)

Conceptual Modeling Aditya Ghose 2021-10-15 This book constitutes the refereed proceedings of the 40th International Conference on Conceptual Modeling, ER 2021, which will be held as virtual event, in October 2021. The 14 full and 18 short papers were carefully reviewed and selected from 85 submissions. The conference presents topics on conceptual modeling, its foundations and applications. Celebrating its 40th anniversary this year, the overall theme of ER 2021 is: Conceptual Modeling in an Age of Uncertainty.

Hayabusa2 Asteroid Sample Return Mission Masatoshi Hirabayashi 2022-04-14 Hayabusa2 Asteroid Sample Return Mission: Technological Innovation and Advances covers the second Japanese asteroid sample return mission. The purpose of the mission is to survey the asteroid Ryugu's surface features, touch down on the asteroid, form an artificial crater by shooting an impactor, and collect sample materials. This book covers these operations, along with everything known about key technologies, hardware and ground systems upon Hayabusa2's return to Earth in 2020. This book is the definitive reference on the mission and provides space and planetary scientists with information on established technologies to further advance the knowledge and technologies in future space exploration missions. Broadly and comprehensively covers technologies necessary for space exploration missions Provides a unique focus on small body exploration missions Covers landing and impact experiments during the proximity operations of Hayabusa2

Data Analytics Applied to the Mining Industry Ali Soofastaei 2020-11-12 Data Analytics Applied to the Mining Industry describes the key challenges facing the mining sector as it transforms into a digital industry able to fully exploit process automation, remote operation centers, autonomous equipment and the opportunities offered by the industrial internet of things. It provides guidelines on how data needs to be collected, stored and managed to enable the different advanced data analytics methods to be applied effectively in practice, through use of case studies, and worked examples. Aimed at graduate students, researchers, and professionals in the industry of mining engineering, this book: Explains how to implement advanced data analytics through case studies and examples in mining engineering Provides approaches and methods to improve data-driven decision making Explains a concise overview of the state of the art for Mining Executives and Managers Highlights and describes critical opportunity areas for mining optimization Brings experience and learning in digital transformation from adjacent sectors

Bloomsbury's Manual of the Insolvency and Bankruptcy Code, 2016 with Rules and Regulations, 9e Bloomsbury Professional India 2022-01-31 This is a comprehensively updated source of the Code, Rules and Regulations, with notifications, circulars and guidelines on the code at one place. Over the past eight editions, this manual has built up a reputation of accuracy and authenticity and is often preferred by lawyers for this reason. Highlights ? The manual covers the Code and delegated legislation ? The footnotes contain legislative history for tracing the Code as it was at a point of time in the past

Foundations of Computational Finance with MATLAB Ed McCarthy 2018-05-29 Graduate from Excel to MATLAB® to keep up with the evolution of finance data Foundations of Computational Finance with MATLAB® is an introductory text for both finance professionals looking to branch out from the spreadsheet, and for programmers who wish to learn more about finance. As financial data grows in volume and complexity, its very nature has changed to the extent that traditional financial calculators and spreadsheet programs are simply no longer enough. Today's analysts need more powerful data solutions with more customization and visualization capabilities, and MATLAB provides all of this and more in an easy-to-learn skillset. This book walks you through the basics, and then shows you how to stretch your new skills to create customized solutions. Part I demonstrates MATLAB's capabilities as they apply to traditional finance concepts, and PART II shows you how to create interactive and reusable code, link with external data sources, communicate graphically, and more. Master MATLAB's basic operations including matrices, arrays, and flexible data structures Learn how to build your own customized solutions when the built-ins just won't do Learn how to handle financial data and industry-specific variables including risk and uncertainty Adopt more accurate modeling practices for portfolios, options, time series, and more MATLAB is an integrated development environment that includes everything you need in one well-designed user interface. Available Toolboxes provide tested algorithms that save you hours of code, and the skills you learn using MATLAB make it easier to learn additional languages if you choose to do so. Financial firms are catching up to universities in MATLAB usage, so this is skill set that will follow you throughout your career. When you're ready to step into the new age of finance, Foundations of Computational Finance with MATLAB provides the expert instruction you need to get started quickly.

Towards a Comparative Analysis of Social Inequalities between Europe and Latin America Pedro López-Roldán 2020-11-13 This open access volume identifies the common and specific aspects of social mechanisms that generate inequalities, through comparative analyses of different dimensions in which inequalities are expressed. It includes studies on social inequalities in 5 European and 5 Latin American countries, along 11 thematic axes: inequalities in the labour market and labour trajectories; asymmetries in the relationship between training and employment; inequalities in work and family life; educational inequalities; geographical and social inequalities: ethnicity and language; social inequalities, migration and space;

uncertainty, strategies, resources and capabilities; inequality of opportunity: intergenerational social mobility; social policies; gender inequalities; and research methodology. This volume is the result of a large collaborative project on social inequality funded by the European Commission: the International Network for Comparative Analysis of Social Inequalities. Taking into account diverse perspectives and approximations, the collaborators have created a general analytical framework as a model of analysis of social inequalities. The various contributions in this volume help readers gain a global outlook and help reflect on social inequalities in a comparative perspective. This volume addresses social science graduate and postgraduate students, researchers, social policy makers, as well as a broader academic audience interested in social inequality.

Intelligent Autonomy of UAVs Yasmina Bestaoui Sebbane 2018-03-14 Intelligent Autonomy of UAVs: Advanced Missions and Future Use provides an approach to the formulation of the fundamental task typical to any mission and provides guidelines of how this task can be solved by different generic robotic problems. As such, this book aims to provide a systems engineering approach to UAV projects, discovering the real problems that need to be resolved independently of the application. After an introduction to the rapidly evolving field of aerial robotics, the book presents topics such as autonomy, mission analysis, human-UAV teams, homogeneous and heterogeneous UAV teams, and finally, UAV-UGV teams. It then covers generic robotic problems such as orienteering and coverage. The book next introduces deployment, patrolling, and foraging, while the last part of the book tackles an important application: aerial search, tracking, and surveillance. This book is meant for both scientists and practitioners. For practitioners, it presents existing solutions that are categorized according to various missions: surveillance and reconnaissance, 3D mapping, urban monitoring, precision agriculture, forestry, disaster assessment and monitoring, security, industrial plant inspection, etc. For scientists, it provides an overview of generic robotic problems such as coverage and orienteering; deployment, patrolling and foraging; search, tracking, and surveillance. The design and analysis of algorithms raise a unique combination of questions from many fields, including robotics, operational research, control theory, and computer science.

The Other Journal: Authority Andrew Shutes-David 2021-04-05 The Other Journal is a space for Christian interdisciplinary theological refection that tackles the cultural crises of our time with verve and peculiar slant, advancing a progressive, provocative, and charitable response in sync with the peacefully contrarian Christ. In this issue, we consider the theme of authority from the vantage point of pews and hospital rooms, of jail cells, low-lit dining rooms, and ancient coin collections. We learn to hear the cries of those who have suffered abuse from the powerful, to resist with the Apostle Paul, and to consent to grace from the source of love beyond all earthly powers. Our authority issue features prose by Andrew DeCort, Lyle Enright, Steven Felix-Jager, Richard C. Goode, Elizabeth Jarrett Andrew, Vincent Lloyd, Mary McCampbell, Mary Lane Potter, Gavin Richardson, Hilary Jerome Scarsella, Rebecca Shirley, Heidi Turner, and Brandon Wrencher; poetry by Jill Bergkamp, Susan Carlson, Barbara Crooker, and Katie Manning; an exhibition by Douglas Coupland, mixed media by Sedrick Huckaby, and multimedia by Brent Everett Dickinson; and an interview with Devin Singh by Zachary Thomas Settle.

Environmental/Occupational Health/Safety Regulations Collection in China 2018 www.1clicktong.com 2020-10-26 Environmental/Occupational Health/Safety Regulations Collection in China 2018

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Practical NATS Waldemar Quevedo 2018-06-07 Learn to use NATS and messaging as a solution for communication between services. The NATS project has been around since 2010, but it has become more popular in recent years due to how well it fits into the paradigm of cloud native applications and microservices architectures. It’s fast becoming a very attractive option thanks to its great performance characteristics--a single server can push millions of messages per second--and overall simple design. First you will learn the fundamentals of NATS, such as its design, protocol and the styles of communications it enables, internals of the NATS clients, and how to use the basic API provided by all the official clients. You will also understand how to setup and configure NATS servers using the configuration file. Next you'll work with real-world projects and see how to develop a production-ready cloud native application using NATS as the control plane over which clients communicate. Finally you’ll learn advanced usage of the NATS clients, such as implementing heartbeats based failure detectors, tracing or collecting multiple responses from a single request. Perhaps you are familiar with REST-style APIs, and want to make the transition into a messaging-based approach instead. Practical NATS is the perfect place to start. What You'll Learn Use NATS to build applications which use it as the control plane for communication among components Explore the fundamentals of NATS such as how the protocol works under the hood to more advanced communication styles which are possible with the basic building blocks provided by the client Setup, operate, and configure NATS servers, as well as how to troubleshoot common failure scenarios Who This Book Is For Anyone looking for a solution for some of the problems which come along with microservices and cloud native application development, such as service discovery, low latency requests, load balancing, tracing and monitoring for example. Also adopters of NATS who need further help getting started using it. Ideally you should have some familiarity with Go as that is the language of the code examples.

Distributed Computing with Go V.N. Nikhil Anurag 2018-02-28 A tutorial leading the aspiring Go developer to full mastery of Golang's distributed features. Key Features This book provides enough concurrency theory to give you a contextual understanding of Go concurrency It gives weight to synchronous and asynchronous data streams in Golang web applications It makes Goroutines and Channels completely familiar and natural to Go developers Book Description Distributed Computing with Go gives developers with a good idea how basic Go development works the tools to fulfill the true potential of Golang development in a world of concurrent web and cloud applications. Nikhil starts out by setting up a professional Go development environment. Then you’ll learn the basic concepts and practices of Golang concurrent and parallel development. You’ll find out in the new few chapters how to balance resources and data with REST and standard web approaches while keeping concurrency in mind. Most Go applications these days will run in a data center or on the cloud, which is a condition upon which the next chapter depends. There, you’ll expand your skills considerably by writing a distributed document indexing system during the next two chapters. This system has to balance a large corpus of documents with considerable analytical demands. Another use case is the way in which a web application written in Go can be consciously redesigned to take distributed features into account. The chapter is rather interesting for Go developers who have to migrate existing Go applications to computationally and memory-intensive environments. The final chapter relates to the rather onerous task of testing parallel and distributed applications, something that is not usually taught in standard computer science curricula. What you will learn Gain proficiency with concurrency and parallelism in Go Learn how to test your application using Go's standard library Learn industry best practices with technologies such as REST, OpenAPI, Docker, and so on Design and build a distributed search engine Learn strategies on how to design a system for web scale Who this book is for This book is for developers who are familiar with the Golang syntax and have a good idea of how basic Go development works. It would be advantageous if you have been through a web application product cycle, although it's not necessary.

Clockwork Liza Martin Wimmer 2021-09-12 Actress, singer, musical theater star, gay icon: Liza Minnelli. Always citing the past but acting in present, her image is an oddity of the entertainment industry. Private background and acting roles flow together in the case of Minnelli who was born into the American show business in 1946. But she is more than "Cabaret", Great American Songbook, Broadway and drag model. This book is neither another sentimental biography of her so-called tragic private life nor a pure scientific examination. It simply aims to analyze her single fields of work in theater, film, television, recording studio and on concert stage that all perform together like a clockwork.

Hybrid Computational Intelligence Siddhartha Bhattacharyya 2020-03-06 Hybrid Computational Intelligence: Challenges and Utilities is a comprehensive resource that begins with the basics and main components of computational intelligence. It brings together many different aspects of the current research on HCI technologies, such as neural networks, support vector machines, fuzzy logic and evolutionary computation, while also covering a wide range of applications and implementation issues, from pattern recognition and system modeling, to intelligent control problems and biomedical applications. The book also explores the most widely used applications of hybrid computation as well as the history of their development. Each individual methodology provides hybrid systems with complementary reasoning and searching methods which allow the use of domain knowledge and empirical data to solve complex problems.

Spark SQL 2.x Fundamentals and Cookbook HadoopExam Learning Resources 2018-09-02 Apache Spark is one of the fastest growing technology in BigData computing world. It support multiple programming languages like Java, Scala, Python and R. Hence, many existing and new framework started to integrate Spark platform as well in their platform e.g. Hadoop, Cassandra, EMR etc. While creating Spark certification material HadoopExam technical team found that there is no proper material and book is available for the Spark SQL (version 2.x) which covers the concepts as well as use of various features and found difficulty in creating the material. Therefore, they decided to create full length book for Spark SQL and outcome of that is this book. In this book technical team try to cover both fundamental concepts of Spark SQL engine and many exercises approx. 35+ so that most of the programming features can be covered. There are approximately 35 exercises and total 15 chapters which covers the programming aspects of SparkSQL. All the exercises given in this book are written using Scala. However, concepts remain same even if you are using different programming language.

Fundamentals of Programming in SAS James Blum 2019-07-27 Unlock the essentials of SAS programming! Fundamentals of Programming in SAS: A Case Studies Approach gives a complete introduction to SAS programming. Perfect for students, novice SAS users, and programmers studying for their Base SAS certification, this book covers all the basics, including: working with data creating visualizations data validation good programming practices Experienced programmers know that real-world scenarios require practical solutions. Designed for use in the classroom and for self-guided learners, this book takes a novel approach to learning SAS programming by following a single case study throughout the text and circling back to previous concepts to reinforce material. Readers will benefit from the variety of exercises, including both multiple choice questions and in-depth case studies. Additional case studies are also provided online for extra practice. This approach mirrors the way good SAS programmers develop their skills—through hands-on work with an eye toward developing the knowledge necessary to tackle more difficult tasks. After reading this book, you will gain the skills and confidence to take on larger challenges with the power of SAS.

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.

Data Science with Machine Learning Narayanan Vishwanathan 2019-09-20 Starts with statistics then goes towards Core Python followed by numpy to pandas to scipy and sklearnKey features Easy to learn, step by step explanation of examples. Questions related to core/basic Python, Excel, basic and advanced statistics are included. Covers numpy, scipy, sklearn and pandas to a greater detail with good number of examples Description The book "e;Data science with Machine learning- Python interview questions"e; is a true companion of people aspiring for data science and machine learning and provides answers to mostly asked questions in a easy to remember and presentable form.Data science is one of the hottest topics mainly because of the application areas it is involved and things which were once upon of time, impossible with earlier software has been made easy. This book is mainly intended to be used as last-minute revision, before interview, as all the important concepts have been given in simple and understand format. Many examples have been provided so that same can be used while giving answers in interview.This book tries to include various terminologies and logic used both as a part of Data Science and Machine learning for last minute revision. As such you can say that this book acts as a companion whenever you want to go for interview.Simple to use words have been used in the answers for the questions to help ease of remembering and representation of same. Examples where ever deemed necessary have been provided so that same can be used while giving answers in interview. Author tried to consolidate whatever he came across, on multiple interviews that he attended and put the same in words so that it becomes easy for the reader of the book to give direction on how the interview would be.With the number of data science jobs increasing, Author is sure that everyone who wants to pursue this field would like to keep this book as a constant companion. What will you learn You can learn the basic concept and terms related to Data Science You will get to learn how to program in python You can learn the basic questions of python programming By reading this book you can get to know the basics of Numpy You will get familiarity with the questions asked in interview related to Pandas. You will learn the concepts of Scipy, Matplotib, and Statistics with Excel Sheet Who this book is forThe book is intended for anyone wish to learn Python Data Science, Numpy, Pandas, Scipy, Matplotib and Statistics with Excel Sheet. This book content also covers the basic questions which are asked during an interview. This book is mainly intended to help people represent their answer in a sensible way to the interviewer. The answers have been carefully rendered in a way to make things quite simple and yet represent the seriousness and complexity of matter. Since data science is incomplete without mathematics we have also included a part of the book dedicated to statistics. Table of contents1. Data Science Basic Questions and Terms2. Python Programming Questions3. Numpy Interview Questions4. Pandas Interview Questions5. Scipy and its Applications6. Matplotlib Samples to Remember7. Statistics with Excel Sheet About the authorMr Vishwanathan has twenty years of hard code experience in software industry spanning across many multinational companies and domains. Playing with data to derive meaningful insights has been his domain and that is what took him towards data science and machine learning.

Passive and Active Measurement Oliver Hohlfeld