
Read Book 98 364 Database Administration Fundamentals Guide

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KEY=DATABASE - NATHAN ANDREW

Exam 98-364 MTA Database Administration Fundamentals

John Wiley & Sons Students who are beginning studies in technology need a strong foundation in the basics before moving on to more advanced technology courses and certification programs. The Microsoft Technology Associate (MTA) is a new and innovative certification track designed to provide a pathway for future success in technology courses and careers. The MTA program curriculum helps instructors teach and validate fundamental technology knowledge and provides students with a foundation for their careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. Database Administration Fundamentals covers introductory knowledge and skills including: relational databases; core database concepts; relational database concepts; security requirements for databases and the data stored in them; database objects -- such as tables and views; graphical tools and T-SQL scripts; database queries; and stored procedures.

Database Fundamentals

Microsoft Technology Associate Exam 98-364

Complete coverage of the Microsoft Technology Associate exam 98-364. Starting form zero, this book is intended for everyone studying for the MTA Database Fundamentals exam, and everybody interested in learning about SQL Server in general. Using screen shots and sample code, this book delivers all the relevant information in the easiest way. It also includes test questions and exam tips. After studying this book, you'll have learnt a lot about databases in general, SQL Server in particular and be ready for the exam!

Database Administration

The Complete Guide to Practices and Procedures

Addison-Wesley Professional A thorough reference on database administration outlines a variety of DBA roles and responsibilities and discusses such topics as data modeling and normalization, database/application design, change management, database security and data integrity, performance issues, disaster planning, and other essentials. Original. (Advanced)

MTA 98-364

Database Fundamentals LiveLessons

6+ Hours of Video Instruction Learn the fundamentals of databases and prepare for the Microsoft Technology Associate (MTA) exam 98-364: Database Fundamentals. Overview In MTA 98-364 Database Fundamentals LiveLessons , you gain the knowledge required to work with and design relational databases and prepare for Microsoft MTA Exam 98-364. Drawing on his experience as a SQL Server MVP, Eric Johnson guides you from the basic elements of databases, such as tables and indexes, and progresses into the principles of database design and layout. Building on that foundation, you learn how to perform more advanced skills, such as database administration, backup, and security. Topics are organized into easily digestible lessons so you can learn these skills with ease. This video course, along with additional study, helps you achieve the hands-on experience recommended to take the exam and demonstrate your mastery of database fundamentals. Skill Level Beginner Learn How To Understand concepts involved with database storage Perform database normalization Create database objects Manipulate data in databases Secure databases Back up and restore databases Who Should Take This Course Developers and system administrators with no prior experience working with databases Course Requirements Knowledge of Windows operating system IT background with no prior database experience About Pearson Video Training Pearson publishes expert-led video tutorials covering a wide selection of technology topics designed to teach you the skills you need to succeed. These professional and personal technology videos feature world-leading author instructors published by your trusted technology brands: Addison-Wesley, Cisco Press, Pearson IT Certification, Prentice Hall, Sams, and Que. Topics include IT Certification, Network Security, Cisco Technology, Programming, Web Development, Mobile Development, and more. Learn more about Pearson Video training at <http://www.informit.com/video>. Video Lessons are available for download for offline viewing within the streaming format. Look for the green arrow in each lesson.

Microsoft Azure Essentials - Fundamentals of Azure

Microsoft Press Microsoft Azure Essentials from Microsoft Press is a series of free ebooks designed to help you advance your technical skills with Microsoft Azure. The first ebook in the series, Microsoft Azure Essentials: Fundamentals of Azure, introduces developers and IT professionals to the wide range of capabilities in Azure. The authors - both Microsoft MVPs in Azure - present both conceptual and how-to content for key areas, including: Azure Websites and Azure Cloud Services Azure Virtual Machines Azure Storage Azure Virtual Networks Databases Azure Active Directory Management tools Business scenarios Watch Microsoft Press's blog and Twitter (@MicrosoftPress) to learn about other free ebooks in the "Microsoft Azure Essentials" series.

MITRE Systems Engineering Guide

The Definitive Guide to DAX

Business intelligence with Microsoft Excel, SQL Server Analysis Services, and Power BI

Microsoft Press This comprehensive and authoritative guide will teach you the DAX language for business intelligence, data modeling, and analytics. Leading Microsoft BI consultants Marco Russo and Alberto Ferrari help you master everything from table functions through advanced code and model optimization. You'll learn exactly what happens under the hood when you run a DAX expression, how DAX behaves differently from other languages, and how to use this knowledge to write fast, robust code. If you want to leverage all of DAX's remarkable power and flexibility, this no-compromise "deep dive" is exactly what you need. Perform powerful data analysis with DAX for Microsoft SQL Server Analysis Services, Excel, and Power BI Master core DAX concepts, including calculated columns, measures, and error handling Understand evaluation contexts and the CALCULATE and CALCULATETABLE functions Perform time-based calculations: YTD, MTD, previous year, working days, and more Work with expanded tables, complex functions, and elaborate DAX expressions Perform calculations over hierarchies, including parent/child hierarchies Use DAX to express diverse and unusual relationships Measure DAX query performance with SQL Server Profiler and DAX Studio

Wireless Connectivity

An Intuitive and Fundamental Guide

John Wiley & Sons Wireless Connectivity: An Intuitive and Fundamental Guide Wireless connectivity has become an indispensable part, a commodity associated with the way we work and play. The latest developments, the 5G, next-generation Wi-Fi and Internet of Things connectivity, are the key enablers for widespread digitalization of practically all industries and public sector segments. This immense development within the last three decades have been accompanied by a large number of ideas, articles, patents, and even myths. This book introduces the most important ideas and concepts in wireless connectivity and discusses how these are interconnected, whilst the mathematical content is kept minimal. The book does not follow the established, linear structure in which one starts from the propagation and channels and then climbs up the protocol layers. The structure is, rather, nonlinear, in an attempt to follow the intuition used when one creates a new technology to solve a certain problem. The target audience is: Students in electronics,

communication, and networking Wireless engineers that are specialized in one area, but want to know how the whole system works, without going through all the details and math Computer scientists that want to understand the fundamentals of wireless connectivity, the requirements and, most importantly, the limitations Engineers in energy systems, logistics, transport and other vertical sectors that are increasingly reliant on wireless technology

Introducing Microsoft Power BI

Microsoft Press This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Introducing Microsoft Power BI enables you to evaluate when and how to use Power BI. Get inspired to improve business processes in your company by leveraging the available analytical and collaborative features of this environment. Be sure to watch for the publication of Alberto Ferrari and Marco Russo's upcoming retail book, *Analyzing Data with Power BI and Power Pivot for Excel* (ISBN 9781509302765). Go to the book's page at the Microsoft Press Store here for more details:<http://aka.ms/analyzingdata/details>. Learn more about Power BI at <https://powerbi.microsoft.com/>.

Microsoft Official Academic Course

Microsoft Office PowerPoint 2003

Microsoft Professional Easy to follow, step-by-step lessons enable students to quickly and efficiently learn the features of Microsoft PowerPoint 2003 and how to use them at school, at home, and in the workplace. This Microsoft Official Academic Course offers friendly, straightforward instruction with a focus on real-world business scenarios. Included with the book is a 180-day trial version of Microsoft Office Professional 2003 and dynamic interactive tutorials from the Microsoft eLearning Library. Skills covered in the book correspond to the objectives tested on the Microsoft Office Specialist examination. A complete instructor support program is available with the text.

IBM Tivoli Directory Server for z/OS

IBM Redbooks This IBM® Redbooks® publication examines the IBM Tivoli® Directory Server for z/OS®. IBM Tivoli Directory Server is a powerful Lightweight Directory Access Protocol (LDAP) infrastructure that provides a foundation for deploying comprehensive identity management applications and advanced software architectures. This publication provides an introduction to the IBM Tivoli Directory Server for z/OS that provides a brief summary of its features and an examination of the possible deployment topologies. It discusses planning a deployment of IBM Tivoli Directory Server for z/OS, which includes prerequisites, planning considerations, and data stores, and provides a brief overview of the configuration process. Additional chapters provide a detailed discussion of the IBM Tivoli Directory Server for z/OS architecture that examines the supported back ends, discusses in what scenarios they are best used, and provides usage examples for each back end. The discussion of schemas breaks down the schema and provides guidance on extending it. A broad discussion of authentication, authorization, and security examines the various access protections, bind mechanisms, and transport security available with IBM Tivoli Directory Server for z/OS. This chapter also provides an examination of the new Password Policy feature. Basic and advanced replication topologies are also covered. A discussion on plug-ins provides details on the various types of plug-ins, the plug-in architecture, and creating a plug-in, and provides an example plug-in. Integration of IBM Tivoli Directory Server for z/OS into the IBM Workload Manager environment is also covered. This publication also provides detailed information about the configuration of IBM Tivoli Directory Server for z/OS. It discusses deploying IBM Tivoli Directory Server for z/OS on a single system, with examples of configuring the available back ends. Configuration examples are also provided for deploying the server in a Sysplex, and for both basic and advanced replication topologies. Finally it provides guidance on monitoring and debugging IBM Tivoli Directory Server for z/OS.

Practical SQL

A Beginner's Guide to Storytelling with Data

No Starch Press Practical SQL is an approachable and fast-paced guide to SQL (Structured Query Language), the standard programming language for defining, organizing, and exploring data in relational databases. The book focuses on using SQL to find the story your data tells, with the popular open-source database PostgreSQL and the pgAdmin interface as its primary tools. You'll first cover the fundamentals of databases and the SQL language, then build skills by analyzing data from the U.S. Census and other federal and state government agencies. With exercises and real-world examples in each chapter, this book will teach even those who have never programmed before all the tools necessary to build powerful databases and access information quickly and efficiently. You'll learn how to: - Create databases and related tables using your own data - Define the right data types for your information - Aggregate, sort, and filter data to find patterns - Use basic math and advanced statistical functions - Identify errors in data and clean them up - Import and export data using delimited text files - Write queries for geographic information systems (GIS) - Create advanced queries and automate tasks Learning SQL doesn't have to be dry and complicated. Practical SQL delivers clear examples with an easy-to-follow approach to teach you the tools you need to build and manage your own databases. This book uses PostgreSQL, but the SQL syntax is applicable to many database applications, including Microsoft SQL Server and MySQL.

OCP: Oracle Database 11g Administrator Certified Professional Study Guide

Exam 1Z0-053

John Wiley & Sons This updated study guide for the latest release of the most popular database software in the world—Oracle Database 11g— reviews using the RMAN recovery catalog, handling Flashback technology, managing memory and resources, automating tasks, diagnosing the database, and much more. Plus, more than 100 pages of workbook exercises help prepare you to take the 1Z0-053 exam. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Microsoft Azure SQL Database Step by Step

Pearson Education Your hands-on guide to Azure SQL Database fundamentals Expand your expertise—and teach yourself the fundamentals of Windows Azure SQL Database. If you have previous programming experience but are new to Azure, this tutorial delivers the step-by-step guidance and coding exercises you need to master core topics and techniques. Discover how to: Perform Azure setup and configuration Explore design and security considerations Use programming and reporting services Migrate data Backup and sync data Work with scalability and high performance Understand the differences between SQL Server and Windows Azure SQL Database

SQL Server 2016 Developer's Guide

Packt Publishing Get the most out of the rich development capabilities of SQL Server 2016 to build efficient database applications for your organization About This Book- Utilize the new enhancements in Transact-SQL and security features in SQL Server 2016 to build efficient database applications- Work with temporal tables to get information about data stored in the table at any point in time- A detailed guide to SQL Server 2016, introducing you to multiple new features and enhancements to improve your overall development experience Who This Book Is For This book is for database developers and solution architects who plan to use the new SQL Server 2016 features for developing efficient database applications. It is also ideal for experienced SQL Server developers who want to switch to SQL Server 2016 for its rich development capabilities. Some understanding of the basic database concepts and Transact-SQL language is assumed. What You Will Learn- Explore the new development features introduced in SQL Server 2016- Identify opportunities for In-Memory OLTP technology, significantly enhanced in SQL Server 2016- Use columnstore indexes to get significant storage and performance improvements- Extend database design solutions using temporal tables- Exchange JSON data between applications and SQL Server in a more efficient way- Migrate historical data transparently and securely to Microsoft Azure by using Stretch Database- Use the new security features to encrypt or to have more granular control over access to rows in a table- Simplify performance troubleshooting with Query Store- Discover the potential of R's integration with SQL Server In Detail Microsoft SQL Server 2016 is considered the biggest leap in the data platform history of the Microsoft, in the ongoing era of Big Data and data science. Compared to its predecessors, SQL Server 2016 offers developers a unique opportunity to leverage the advanced features and build applications that are robust, scalable, and easy to administer. This book introduces you to new features of SQL Server 2016 which will open a completely new set of possibilities for you as a developer. It prepares you for the more advanced topics by starting with a quick introduction to SQL Server 2016's new features and a recapitulation of the possibilities you may have already explored with previous versions of SQL Server. The next part introduces you to small delights in the Transact-SQL language and then switches to a completely new technology inside SQL Server - JSON support. We also take a look at the Stretch database, security enhancements, and temporal tables. The last chapters concentrate on implementing advanced topics, including Query Store, columnstore indexes, and In-Memory OLTP. You will finally be introduced to R and how to use the R language with Transact-SQL for data exploration and analysis. By the end of this book, you will have the required information to design efficient, high-performance database applications without any hassle. Style and approach This book is a detailed guide to mastering the development features offered by SQL Server 2016, with a unique learn-as-you-do approach. All the concepts are explained in a very easy-to-understand manner and are supplemented with examples to ensure that you-the developer-are able to take that next step in building more powerful, robust applications for your organization with ease.

IBM System Storage Business Continuity: Part 1 Planning Guide

IBM Redbooks A disruption to your critical business processes could leave the entire business exposed. Today's organizations face ever-escalating customer demands and expectations. There is no room for downtime. You need to provide your customers with continuous service because your customers have a lot of choices. Your competitors are standing ready to take your place. As you work hard to grow your business, you face the challenge of keeping your business running without a glitch. To remain competitive, you need a resilient IT infrastructure. This IBM Redbooks publication introduces the importance of Business Continuity in today's IT environments. It provides a comprehensive guide to planning for IT Business Continuity and can help you design and select an IT Business Continuity solution that is right for your business environment. We discuss the concepts, procedures, and solution selection for Business Continuity in detail, including the essential set of IT Business Continuity requirements that you need to identify a solution. We also present a rigorous Business Continuity Solution Selection Methodology that includes a sample Business Continuity workshop with step-by-step instructions in defining requirements. This book is meant as a central resource book for IT Business Continuity planning and design. The companion title to this book, IBM System Storage Business Continuity: Part 2 Solutions Guide, SG24-6548, describes detailed product solutions in the System Storage Resiliency Portfolio.

Learning Spark

O'Reilly Media Data is bigger, arrives faster, and comes in a variety of formats—and it all needs to be processed at scale for analytics or machine learning. But how can you process such varied workloads efficiently? Enter Apache Spark. Updated to include Spark 3.0, this second edition shows data engineers and data scientists why structure and unification in Spark matters. Specifically, this book explains how to perform simple and complex data analytics and employ machine learning algorithms. Through step-by-step walk-throughs, code snippets, and notebooks, you'll be able to: Learn Python, SQL, Scala, or Java high-level Structured APIs Understand Spark operations and SQL Engine Inspect, tune, and debug Spark operations with Spark configurations and Spark UI Connect to data sources: JSON, Parquet, CSV, Avro, ORC, Hive, S3, or Kafka Perform analytics on batch and streaming data using Structured Streaming Build reliable data pipelines with open source Delta Lake and Spark Develop machine learning pipelines with MLlib and productionize models using MLflow

Exam 98-363 Web Development Fundamentals

Wiley Students who are beginning studies in technology need a strong foundation in the basics before moving on to more advanced technology courses and certification programs. The Microsoft Technology Associate (MTA) is a new and innovative certification track designed to provide a pathway for future success in technology courses and careers. The MTA program curriculum helps instructors teach and validate fundamental technology concepts; provides students with a foundation for their careers; and helps them gain the confidence they need to succeed in advanced studies. Help ensure your students success through the use of MOAC MTA titles. Your students will master the basic skills of creating basic and interactive web pages. They will gain an understanding of XML, The DataSet, The DataReader and WCF. Also included are subjects such as database controls and objects. The text also covers the fundamentals of Client-Side Scripting and Ajax Concepts as well as handling debugging and errors. Skills such as configuring and deploying web applications are also covered.

Carpenter's Complete Guide to the SAS Macro Language, Third Edition

SAS Institute Providing both a compendium of reusable and adaptable code, and opportunities for deepening your understanding and growing as a SAS programmer, this pragmatic, example-driven reference offers nearly 400 ready-to-use macros, macro functions, and macro tools that enable you to convert SAS code to macros, define macro variables, and more. --

A Complete Guide to Programming in C++

Jones & Bartlett Learning This guide was written for readers interested in learning the C++ programming language from scratch, and for both novice and advanced C++ programmers wishing to enhance their knowledge of C++. The text is organized to guide the reader from elementary language concepts to professional software development, with in depth coverage of all the C++ language elements en route.

Exam 98-361 MTA Software Development Fundamentals

Wiley Students who are beginning studies in technology need a strong foundation in the basics before moving on to more advanced technology courses and certification programs. The Microsoft Technology Associate (MTA) is a new and innovative certification track designed to provide a pathway for future success in technology courses and careers. The MTA program curriculum helps instructors teach and validate fundamental technology concepts and provides students with a foundation for their careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. This text covers fundamental skills in such areas as Programming and an understanding of general software development, web, desktop, and database applications.

Child Neglect

A Guide for Prevention, Assessment, and Intervention

Exam Ref Da-100 Analyzing Data with Microsoft Power Bi

Microsoft Press Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft DA-100 Analyzing Data with Microsoft Power BI certification exam. Exam Ref DA-100 Analyzing Data with Microsoft Power BI offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on specific areas of expertise modern IT professionals need to demonstrate real-world mastery of Power BI data analysis and visualization. Coverage includes: Preparing data: acquiring, profiling, cleaning, transforming, and loading data Modeling data: designing and developing data models, creating measures with DAX, and optimizing model performance Visualizing data: creating reports and dashboards, and enriching reports for usability Analyzing data: enhancing reports to expose insights, and performing advanced analysis Deploying and maintaining deliverables: managing datasets; creating and managing workspaces Microsoft Exam Ref publications stand apart from third-party study guides because they: Provide guidance from Microsoft, the creator of Microsoft certification exams Target IT professional-level exam candidates with content focused on their needs, not "one-size-fits-all" content Streamline study by organizing material according to the exam's objective domain (OD), covering one functional group and its objectives in each chapter Feature Thought Experiments to guide candidates through a set of "what if?" scenarios, and prepare them more effectively for Pro-level style exam questions Explore big picture thinking around the planning and design aspects of the IT pro's job role For more information on Exam DA-100 and the Microsoft Certified: Data Analyst Associate credential, visit <https://docs.microsoft.com/en-us/learn/certifications/data-analyst-associate>.

CCNP and CCIE Data Center Core DCCOR 350-601 Official Cert Guide

Implementing and Operating Cisco Data Center Core Technologies

Cisco Press This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Access to the personal video mentoring is available through product registration at Cisco Press; or see the instructions in the back pages of your eBook. Learn, prepare, and practice for CCNP/CCIE Data Center Core DCCOR 350-601 exam success with this Cert Guide from Cisco Press, a leader in IT certification learning and the only self-study resource approved by Cisco. · Master CCNP/CCIE Data Center Core DCCOR 350-601 exam topics · Assess your knowledge with chapter-ending quizzes · Review key concepts with exam preparation tasks · Learn from more than two hours of video mentoring CCNP and CCIE Data Center Core DCCOR 350-601 Official Cert Guide is a best-of-breed exam study guide. Expert authors Somit Maloo and Firas Ahmed share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The book also contains more than two hours of personal video mentoring from the Pearson IT Certification Complete Video Course. Go to the back pages of your eBook for instructions on how to access the personal video mentoring content. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will help you succeed on the exam the first time. This official study guide helps you master all the topics on the CCNP/CCIE Data Center Core DCCOR 350-601 exam, including · Network · Compute · Storage Network · Automation · Security

Exam Ref 70-761 Querying Data with Transact-SQL

Microsoft Press Prepare for Microsoft Exam 70-761 and help demonstrate your real-world mastery of SQL Server 2016 Transact-SQL data management, queries, and database programming. Designed for experienced IT professionals ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives:

- Filter, sort, join, aggregate, and modify data
- Use subqueries, table expressions, grouping sets, and pivoting
- Query temporal and non-relational data, and output XML or JSON
- Create views, user-defined functions, and stored procedures
- Implement error handling, transactions, data types, and nulls

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you have experience working with SQL Server as a database administrator, system engineer, or developer
- Includes downloadable sample database and code for SQL Server 2016 SP1 (or later) and Azure SQL Database

Querying Data with Transact-SQL About the Exam Exam 70-761 focuses on the skills and knowledge necessary to manage and query data and to program databases with Transact-SQL in SQL Server 2016. About Microsoft Certification Passing this exam earns you credit toward a Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of essential skills for building and implementing on-premises and cloud-based databases across organizations. Exam 70-762 (Developing SQL Databases) is also required for MCSA: SQL 2016 Database Development certification. See full details at: microsoft.com/learning

Good Research Guide

For Small-Scale Research Projects

McGraw-Hill International The Good Research Guide has been a bestselling introduction to the basics of social research since it was first published in 1998. This new second edition of the book offers the same clear guidance on how to conduct successful small-scale research projects and adds even more value by including new sections on internet research, phenomenology, grounded theory and image-based methods. The book provides: a clear summary of the relevant strategies, methods and approaches to data analysis a jargon-free coverage of the key issues an attractive layout and user-friendly presentation checklists to guide good practice. Practical and comprehensive, The Good Research Guide is an invaluable tool for students of education, health studies, business studies and other social sciences, who need to conduct small-scale research projects as part of undergraduate, postgraduate or professional studies.

Exam 98-349 MTA Windows Operating System Fundamentals

John Wiley & Sons The Microsoft Technology Associate certification (MTA) curriculum helps instructors teach and validate fundamental technology concepts with a foundation for students' careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. This MTA text covers the following Windows Operating System vital fundamental skills:

- Understanding Operating System Configurations
- Installing and Upgrading Client Systems
- Managing Applications, Managing Files and Folders
- Managing Devices
- Understanding Operating System Maintenance.

Click here to learn more about Microsoft Technology Associate, (MTA) a new and innovative certification track designed to provide a pathway for future success in technology courses and careers.

Thinking Clearly with Data

A Guide to Quantitative Reasoning and Analysis

Princeton University Press An engaging introduction to data science that emphasizes critical thinking over statistical techniques An introduction to data science or statistics shouldn't involve proving complex theorems or memorizing obscure terms and formulas, but that is exactly what most introductory quantitative textbooks emphasize. In contrast, Thinking Clearly with Data focuses, first and foremost, on critical thinking and conceptual understanding in order to teach students how to be better consumers and analysts of the kinds of quantitative information and arguments that they will encounter throughout their lives. Among much else, the book teaches how to assess whether an observed relationship in data reflects a genuine relationship in the world and, if so, whether it is causal; how to make the most informative comparisons for answering questions; what questions to ask others who are making arguments using quantitative evidence; which statistics are particularly informative or misleading; how quantitative evidence should and shouldn't influence decision-making; and how to make better decisions by using moral values as well as data. Filled with real-world examples, the book shows how its thinking tools apply to problems in a wide variety of subjects, including elections, civil conflict, crime, terrorism, financial crises, health care, sports, music, and space travel. Above all else, Thinking Clearly with Data demonstrates why, despite the many benefits of our data-driven age, data can never be a substitute for thinking. An ideal textbook for introductory quantitative methods courses in data science, statistics, political science, economics, psychology, sociology, public policy, and other fields Introduces the basic toolkit of data analysis—including sampling, hypothesis testing, Bayesian inference, regression, experiments, instrumental variables, differences in differences, and regression discontinuity Uses real-world examples and data from a wide variety of subjects Includes practice questions and data exercises

Learn SQL Server Administration in a Month of Lunches

Simon and Schuster Summary Learn SQL Server Administration in a Month of Lunches is the perfect way to get started with SQL Server operations, including maintenance, backup and recovery, high availability, and performance monitoring. In about an hour a day over a month, you'll learn exactly what you can do, and what you shouldn't touch. Most importantly, you'll learn the day-to-day tasks and techniques you need to keep SQL Server humming along smoothly. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Microsoft SQL Server is used by millions of businesses, ranging in size from Fortune 500s to small shops worldwide. Whether you're just getting started as a DBA, supporting a SQL Server-driven application, or you've been drafted by your office as the SQL Server admin, you do not need a thousand-page book to get up and running. Learn SQL Server Administration in a Month of Lunches is the perfect way to get started with SQL Server. This concise, easy-to-read book skips academic introductions and teaches you day-to-day techniques for maintenance, backup and recovery, performance monitoring, and more. Each of the 21 short lessons gives you practical takeaways you'll use over and over. What's Inside Master the basics—indexes, logins, backup, recovery ... and more Learn what you can and cannot do when supporting a third-party application Monitor and improve performance Written by expert trainer and bestselling author Don Jones Accessible to readers of any level of experience, the book covers techniques for all versions of SQL Server 2005-2014. About the Author Don Jones is a Microsoft MVP, speaker, and trainer. He is the creator of the Month of Lunches series and author of over 50 books on PowerShell, IIS, Active Directory, SCCM, SQL Server, and more. Table of Contents Before you begin Server assessment and configuration T-SQL crash course Managing databases Backup and recovery Authentication: who are you? Authorization: what are you allowed to do? Accounting: what did you do? Analyzing indexes Maintaining indexes Tuning index designs Reading query execution plans Block and deadlock analysis Automating management with SQL Server Agent Multiserver management Windows PowerShell and SQL Server Using Extended Events Monitoring and analyzing performance Options for high availability Virtualizing SQL Server Moving, migrating, and upgrading databases SQL Server performance checklist Never the end

Strengthening Forensic Science in the United States

A Path Forward

National Academies Press Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

A Field Guide to Genetic Programming

Lulu.com Genetic programming (GP) is a systematic, domain-independent method for getting computers to solve problems automatically starting from a high-level statement of what needs to be done. Using ideas from natural evolution, GP starts from an ooze of random computer programs, and progressively refines them through processes of mutation and sexual recombination, until high-fitness solutions emerge. All this without the user having to know or specify the form or structure of solutions in advance. GP has generated a plethora of human-competitive results and applications, including novel scientific discoveries and patentable inventions. This unique overview of this exciting technique is written by three of the most active scientists in GP. See www.gp-field-guide.org.uk for more information on the book.

Fundamentals of Business Process Management

Springer This textbook covers the entire Business Process Management (BPM) lifecycle, from process identification to process monitoring, covering along the way process modelling, analysis, redesign and automation. Concepts, methods and tools from business management, computer science and industrial engineering are blended into one comprehensive and inter-disciplinary approach. The presentation is illustrated using the BPMN industry standard defined by the Object Management Group and widely endorsed by practitioners and vendors worldwide. In addition to explaining the relevant conceptual background, the book provides dozens of examples, more than 230 exercises - many with solutions - and numerous suggestions for further reading. This second edition includes extended and completely revised chapters on process identification, process discovery, qualitative process analysis, process redesign, process automation and process monitoring. A new chapter on BPM as an enterprise capability has been added, which expands the scope of the book to encompass topics such as the strategic alignment and governance of BPM initiatives. The textbook is the result of many years of combined teaching experience of the authors, both at the undergraduate and graduate levels as well as in the context of professional training. Students and professionals from both business management and computer science will benefit from the step-by-step style of the textbook and its focus on fundamental concepts and proven methods. Lecturers will appreciate the class-tested format and the additional teaching material available on the accompanying website.

98-365: Windows Server Administration Fundamentals, B&N Renting e-Bk

John Wiley and Sons Students who are beginning studies in technology need a strong foundation in the basics before moving on to more advanced technology courses and certification programs. The Microsoft Technology Associate (MTA) is a new and innovative certification track designed to provide a pathway for future success in technology courses and careers. The MTA program curriculum helps instructors teach and validate fundamental technology concepts and provides students with a foundation for their careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. Server fundamentals such as managing Windows Servers (including virtualization) and storage, along with monitoring and troubleshooting servers are included. It also covers such topics as essential naming, directory, and print services. Students also learn of popular Windows Network Services and Applications.

Database Design for Mere Mortals

A Hands-on Guide to Relational Database Design

Addison-Wesley Professional "This book takes the somewhat daunting process of database design and breaks it into completely manageable and understandable components. Mike's approach whilst simple is completely professional, and I can recommend this book to any novice database designer." --Sandra Barker, Lecturer, University of South Australia, Australia "Databases are a critical infrastructure technology for information systems and today's business. Mike Hernandez has written a literate explanation of database technology--a topic that is intricate and often obscure. If you design databases yourself, this book will educate you about pitfalls and show you what to do. If you purchase products that use a database, the book explains the technology so that you can understand what the vendor is doing and assess their products better." --Michael Blaha, consultant and trainer, author of A Manager's Guide to Database Technology "If you told me that Mike Hernandez could improve on the first edition of Database Design for Mere Mortals I wouldn't have believed you, but he did! The second edition is packed with more real-world examples, detailed explanations, and even includes database-design tools on the CD-ROM! This is a must-read for anyone who is even remotely interested in relational database design, from the individual who is called upon occasionally to create a useful tool at work, to the seasoned professional who wants to brush up on the fundamentals. Simply put, if you want to do it right, read this book!" --Matt Greer, Process Control Development, The Dow Chemical Company "Mike's approach to database design is totally common-sense based, yet he's adhered to all the rules of good relational database design. I use Mike's books in my starter database-design class, and I recommend his books to anyone who's interested in learning how to design databases or how to write SQL queries." --Michelle Poollet, President, MVDS, Inc. "Slapping together sophisticated applications with poorly designed data will hurt you just as much now as when Mike wrote his first edition, perhaps even more. Whether you're just getting started developing with data or are a seasoned pro; whether you've read Mike's previous book or this is your first; whether you're happier letting someone else design your data or you love doing it yourself--this is the book for you. Mike's ability to explain these concepts in a way that's not only clear, but fun, continues to amaze me." --From the Foreword by Ken Getz, MCW Technologies, coauthor ASP.NET Developer's JumpStart "The first edition of Mike Hernandez's book Database Design for Mere Mortals was one of the few books that survived the cut when I moved my office to smaller quarters. The second edition expands and improves on the original in so many ways. It is not only a good, clear read, but contains a remarkable quantity of clear, concise thinking on a very complex subject. It's a must for anyone interested in the subject of database design." --Malcolm C. Rubel, Performance Dynamics Associates "Mike's excellent guide to relational database design deserves a second edition. His book is an essential tool for fledgling Microsoft Access and other desktop database developers, as well as for client/server pros. I recommend it highly to all my readers." --Roger Jennings, author of Special Edition Using Access 2002 "There are no silver bullets! Database technology has advanced dramatically, the newest crop of database servers perform operations faster than anyone could have imagined six years ago, but none of these technological advances will help fix a bad database design, or capture data that you forgot to include! Database Design for Mere Mortals(TM), Second Edition, helps you design your database right in the first place!" --Matt Nunn, Product Manager, SQL Server, Microsoft Corporation "When my brother started his professional career as a developer, I gave him Mike's book to help him understand database concepts and make real-world application of database technology. When I need a refresher on the finer points of database design, this is the book I pick up. I do not think that there is a better testimony to the value of a book than that it gets used. For this reason I have wholeheartedly recommended to my peers and students that they utilize this book in their day-to-day development tasks." --Chris Kunicki, Senior Consultant, OfficeZealot.com "Mike has always had an incredible knack for taking the most complex topics, breaking them down, and explaining them so that anyone can 'get it.' He has honed and polished his first very, very good edition and made it even better. If you're just starting out building database applications, this book is a must-read cover to cover. Expert designers will find Mike's approach fresh and enlightening and a source of great material for training others." --John Viescas, President, Viescas Consulting, Inc., author of Running Microsoft Access 2000 and coauthor of SQL Queries for Mere Mortals "Whether you need to learn about relational database design in general, design a relational database, understand relational database terminology, or learn best practices for implementing a relational database, Database Design for Mere Mortals(TM), Second Edition, is an indispensable book that you'll refer to often. With his many years of real-world experience designing relational databases, Michael shows you how to analyze and improve existing databases, implement keys, define table relationships and business rules, and create data views, resulting in data integrity, uniform access to data, and reduced data-entry errors." --Paul Cornell, Site Editor, MSDN Office Developer Center Sound database design can save hours of development time and ensure functionality and reliability. Database Design for Mere Mortals(TM), Second Edition, is a straightforward, platform-independent tutorial on the basic principles of relational database design. It provides a commonsense design methodology for developing databases that work. Database design expert Michael J. Hernandez has expanded his best-selling first edition, maintaining its hands-on approach and accessibility while updating its coverage and including even more examples and illustrations. This edition features a CD-ROM that includes diagrams of sample databases, as well as design guidelines, documentation forms, and examples of the database design process. This book will give you the knowledge and tools you need to create efficient and effective relational databases.

Training Kit (Exam 70-461): Querying Microsoft SQL Server 2012

Microsoft Press Ace your preparation for Microsoft® Certification Exam 70-461 with this 2-in-1 Training Kit from Microsoft Press®. Work at your own pace through a series of lessons and practical exercises, and then assess your skills with practice tests on CD—featuring multiple, customizable testing options. Maximize your performance on the exam by learning how to: Create database objects Work with data Modify data Troubleshoot and optimize queries You also get an exam discount voucher—making this book an exceptional value and a great career investment.

Bayesian Data Analysis, Third Edition

CRC Press Now in its third edition, this classic book is widely considered the leading text on Bayesian methods, lauded for its accessible, practical approach to analyzing data and solving research problems. Bayesian Data Analysis, Third Edition continues to take an applied approach to analysis using up-to-date Bayesian methods. The authors—all leaders in the statistics community—introduce basic concepts from a data-analytic perspective before presenting advanced methods. Throughout the text, numerous worked examples drawn from real applications and research emphasize the use of Bayesian inference in practice. New to the Third Edition Four new chapters on nonparametric modeling Coverage of weakly informative priors and boundary-avoiding priors Updated discussion of cross-validation and predictive information criteria Improved convergence monitoring and effective sample size calculations for iterative simulation Presentations of Hamiltonian Monte Carlo, variational Bayes, and expectation propagation New and revised software code The book can be used in three different ways. For undergraduate students, it introduces Bayesian inference starting from first principles. For graduate students, the text presents effective current approaches to Bayesian modeling and computation in statistics and related fields. For researchers, it provides an assortment of Bayesian methods in applied statistics. Additional materials, including data sets used in the examples, solutions to selected exercises, and software instructions, are available on the book's web page.

CCNP and CCIE Security Core SCOR 300-701 Official Cert Guide

Implementing and Operating Cisco Security Core Technologies

Cisco Press The CCNP Security Core SCOR 300-701 Official Cert Guide serves as comprehensive guide for individuals who are pursuing the Cisco CCNP Security certification. This book helps any network professionals that want to learn the skills required to develop a security infrastructure, recognize threats and vulnerabilities to networks, and mitigate security threats. Complete and easy to understand, it explains key concepts and techniques through real-life examples. This book will be valuable to any individual that wants to learn about modern cybersecurity concepts and frameworks.

MCSA SQL Server 2016 Database Development Exam Ref 2-Pack Exam Refs 70-761 And 70-762

Microsoft Press Direct from Microsoft, this bundle contains the following two study guides at a \$15 discount: Exam Ref 70-761 Querying Data with Transact-SQL, 9781509304332, offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern database professionals need to succeed with T-SQL database queries. Exam Ref 70-762 Developing SQL Databases, 9781509304912, offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern database professionals need to succeed with SQL database development. These are the two exams necessary for the MCSA certification in SQL Server 2016 Database Development.

98-367: MTA Security Fundamentals

John Wiley & Sons Students who are beginning studies in technology need a strong foundation in the basics before moving on to more advanced technology courses and certification programs. The Microsoft Technology Associate (MTA) is a new and innovative certification track designed to provide a pathway for future success in technology courses and careers. The MTA program curriculum helps instructors teach and validate fundamental technology concepts and provides students with a foundation for their careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. Vital fundamentals of security are included such as understanding security layers, authentication, authorization, and accounting. They will also become familiar with security policies, network security and protecting the Server and Client.

Guide to NumPy

2nd Edition

CreateSpace This is the second edition of Travis Oliphant's A Guide to NumPy originally published electronically in 2006. It is designed to be a reference that can be used by practitioners who are familiar with Python but want to learn more about NumPy and related tools. In this updated edition, new perspectives are shared as well as descriptions of new distributed processing tools in the ecosystem, and how Numba can be used to compile code using NumPy arrays. Travis Oliphant is the co-founder and CEO of Continuum Analytics. Continuum Analytics develops Anaconda, the leading modern open source analytics platform powered by Python. Travis, who is a passionate advocate of open source technology, has a Ph.D. from Mayo Clinic and B.S. and M.S. degrees in Mathematics and Electrical Engineering from Brigham Young University. Since 1997, he has worked extensively with Python for computational and data science. He was the primary creator of the NumPy package and founding contributor to the SciPy package. He was also a co-founder and past board member of NumFOCUS, a non-profit for reproducible and accessible science that supports the PyData stack. He also served on the board of the Python Software Foundation.