

# Database Solutions Online

Data Mining: Concepts and Techniques  
Start Your Own Online Education Business  
The Definitive Guide to Scaling Out SQL Server 2005 Edition  
Pro SharePoint 2013 Business Intelligence Solutions  
Oracle Data Warehousing and Business Intelligence Solutions  
Modeling and Processing for Next-Generation Big-Data Technologies  
Web Database Applications with PHP and MySQL  
Deploying Visual FoxPro Solutions  
Access 2019 For Dummies  
Crime Online  
Beginning Database Design Solutions  
Database Design for Mere Mortals  
Microsoft Big Data Solutions  
Solutions for Networked Databases  
Web Technologies for Commerce and Services Online  
Handbook of Research on Electronic Surveys and Measurements  
Database Solutions  
Automated Data Collection with R  
Workforce Asset Management Book of Knowledge  
Principles of Database Management  
Technology Leadership in Teacher Education: Integrated Solutions and Experiences  
Advanced Principles for Improving Database Design, Systems Modeling, and Software Development  
Beginning Database Design Solutions  
E-Business Process Management: Technologies and Solutions  
Inside RavenDB 4.0  
Oracle Essentials  
Programming Windows Store Apps with HTML, CSS, and JavaScript  
BoogarLists | Directory of Financial Planning Software  
IBM IMS Solutions for Automating Database Management  
Practical Database Programming With Visual C#.NET  
Learn PostgreSQL Online  
Access Social Implications of Data Mining and Information Privacy: Interdisciplinary

Frameworks and Solutions  
Microsoft Access Small Business Solutions  
Put Your Business Online  
Building Bioinformatics Solutions  
Integrated Solutions with DB2  
Learning PostgreSQL 10R for Data Science  
Designing a Total Data Solution

## **Data Mining: Concepts and Techniques**

Ship it! Music to your ears or words that cause a cold sweat as you realize you now need to deploy the solution you have worked on for so long? Have you planned the deployment? Do you have the proper language in your contract with your customer? Do you have the proper install package? What media is the package going to be shipped on to the client? How will it be distributed? What happens after Setup.exe finishes? Do you have the support infrastructure in place? How are you going to handle updates and changes? There's a lot to think about, and deploying a solution requires careful planning. These questions and many more are answered based on real world experience within the pages of this book.

## **Start Your Own Online Education Business**

## **The Definitive Guide to Scaling Out SQL Server 2005 Edition**

Easy steps to practical databases  
People who really know how to build, populate, and simplify databases

are few and far between. Access 2019 For Dummies is here to help you join the ranks of office heroes who possess these precious skills. This book offers clear and simple advice on how to build and operate databases as well as create simple forms, import data from outside sources, query databases for information, and share knowledge in reports. In short, it's the book that holds all the secrets behind the mysteries of Access! Build effective databases from the ground up Simplify your data entry with forms and tables Write queries that produce answers to your data questions Simplify input with forms There's no time like the present to get your hands on the insight that database beginners need to become Access gurus.

### **Pro SharePoint 2013 Business Intelligence Solutions**

"This book serves as a critical source to emerging issues and solutions in data mining and the influence of social factors"--Provided by publisher.

### **Oracle Data Warehousing and Business Intelligence Solutions**

Microsoft Press is pleased to offer the second edition of Kraig Brockschmidt's in-depth ebook on writing Windows Store apps using HTML, CSS3, and JavaScript on the Windows 8.1 platform. The ebook includes 20 chapters and 4 appendices. Download the PDF (30.1 MB) <http://aka.ms/611111pdf> Download the EPUB file (71.2 MB) <http://aka.ms/611111epub>

Download the Mobi for Kindle file (113 MB)

<http://aka.ms/611111mobi> Download Companion Files (132 MB) <http://aka.ms/611111files>

## **Modeling and Processing for Next-Generation Big-Data Technologies**

Online education is experiencing a huge growth spurt. The number of students taking online classes increased 24 percent in the past year—and this growth is only expected to continue. Don't let this lucrative opportunity pass you by. Take your teaching global by offering courses online. Learn everything you need to know to set up a successful online education business:

- Find financing, write a business plan, choose a business structure and learn other business basics
- Develop exciting courses in the four most popular areas—IT, health care, education and business—as well as niche markets
- Promote your business and attract students through online newsletters, search engine optimization and other innovative techniques
- Design a user-friendly website and provide high-quality tech support
- Train instructors in this new education medium, or teach courses yourself
- And more! Real-life stories from successful entrepreneurs show you exactly what you need to do to set up and run a profitable business.

Now's the perfect time to get started with an online education business—and with this book, you're well on your way to success.

## **Web Database Applications with PHP and MySQL**

Now, two leading IBM solution architects show you how to use DB2 to create flexible infrastructures that simplify the construction of any enterprise-class business solution.

### **Deploying Visual FoxPro Solutions**

The official study guide for the Workforce Management Technology Certification, containing core knowledge for time and labor management The worldwide standard for the time and labor management technology profession, Workforce Asset Management Book of Knowledge is the official guide to the Workforce Asset Management Certification. Establishing a common lexicon within the profession for talking about workforce management and systems, this essential guide is designed to establish a body of generally accepted and applicable practices and standards within the industry. Includes contributions from leaders in the field Covers everything from vendor and product selection, to implementation planning and execution, system design, testing and change control, financial analytics, fundamentals of scheduling people against workload and skill sets, and how to use these systems to manage labor costs and productivity Body of knowledge is focused on workers and technologies for every industry and every type of employer Designed around timekeeping and labor scheduling technologies With contributions from leaders in the field, this book expertly covers the knowledge, practices, regulations, and technologies within the domain of workforce management systems. It

provides the body of knowledge for managing a workforce using time and attendance systems, labor scheduling, productivity, staffing budgets, workforce software applications, or data, compensation and benefits for payroll and human resources.

### **Access 2019 For Dummies**

"This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience"--

### **Crime Online**

Oren Eini, CEO of RavenDB, shares everything you need to know about the latest version of his distributed, non-relational document database. This is a book-length blog post, designed not only to give you full knowledge of what RavenDB does, but also all the reasoning behind each feature. Inside RavenDB 4.0 explains all the whys, like why RavenDB is a fully transactional, high performance, and NoSQL - one of the few databases on the market to include so much. Based on over a decade of working with databases, Oren discusses why he made it a priority that RavenDB requires as little overhead as possible from its users. It'll give you the knowledge and skills to make efficient use of RavenDB in your systems. Enjoy this easy-read from your favorite Ayende blogger. Beyond simply dry documentation or reference book, Inside RavenDB 4.0 is packed with the musings from

one of the pioneers of the NoSQL Database. Features include: \* Going Beyond Relational Data Modeling \* Distributed Data in a Multi-Node Cluster \* The Basics of RavenDB \* ACID vs BASE \* Querying, Indexing, and CRUD in a Document Model \* Creating a Polyglot Architecture with ETL

### **Beginning Database Design Solutions**

Through the last decade, Internet technologies such as electronic commerce have experienced exponential growth, and emerging issues surrounding this phenomenon have necessitated the amassment of research on the cognitive impact of electronic commerce technologies around the world. *Web Technologies for Commerce and Services Online* delivers a global perspective on the influence of electronic commerce on organizational behavior, development, and management in organizations, discussing issues such as information security; strategic management of electronic commerce; organizational learning; business process management; mediated enterprises; and electronic marketplaces. With the new insights it delivers on this rapidly evolving technological and commercial domain, this incisive reference will prove an essential addition to library collections worldwide.

### **Database Design for Mere Mortals**

Written by Oracle insiders, this indispensable guide distills an enormous amount of information about the Oracle Database into one compact volume. Ideal for

novice and experienced DBAs, developers, managers, and users, Oracle Essentials walks you through technologies and features in Oracle's product line, including its architecture, data structures, networking, concurrency, and tuning. Complete with illustrations and helpful hints, this fifth edition provides a valuable one-stop overview of Oracle Database 12c, including an introduction to Oracle and cloud computing. Oracle Essentials provides the conceptual background you need to understand how Oracle truly works. Topics include: A complete overview of Oracle databases and data stores, and Fusion Middleware products and features Core concepts and structures in Oracle's architecture, including pluggable databases Oracle objects and the various datatypes Oracle supports System and database management, including Oracle Enterprise Manager 12c Security options, basic auditing capabilities, and options for meeting compliance needs Performance characteristics of disk, memory, and CPU tuning Basic principles of multiuser concurrency Oracle's online transaction processing (OLTP) Data warehouses, Big Data, and Oracle's business intelligence tools Backup and recovery, and high availability and failover solutions

### **Microsoft Big Data Solutions**

To get ahead in today's hyper-competitive marketplace, your business has to take advantage of the data you already have and mine that data to give you new insight, metrics, and clues to what drives successful customer interactions. In Pro SharePoint 2013 Business Intelligence Solutions, you'll learn

exactly how to unlock that magic, build business intelligence facilities on SharePoint, and glean insights from data to propel your business to the next level. To understand the various business intelligence offerings in SharePoint 2013, you need to understand the core SQL Server business intelligence concepts, and the first part of the book presents a comprehensive tutorial on those fundamentals. Pro SharePoint 2013 Business Intelligence Solutions then focuses on specific SharePoint business intelligence investments including: Visio Services Excel Services SQL Server Reporting Services Business Connectivity Services Power View and PerformancePoint Services Authors Manpreet Singh, Sha Anandan, Sahil Malik, and Steve Wright walk you through all of this material comprehensively in practical, hands-on format, with plenty of examples to empower you to use these products in your real-life projects. As compelling as SharePoint and SQL Server business intelligence are together, the challenge always has been finding people who understand both SharePoint and SQL Server well enough to deliver such business intelligence solutions. With this book in hand, you become part of that select group. Get your copy of Pro SharePoint 2013 Business Intelligence Solutions today!

### **Solutions for Networked Databases**

"This book presents cutting-edge research and analysis of the most recent advancements in the fields of database systems and software development"--Provided by publisher.

## **Web Technologies for Commerce and Services Online**

"This book explores the issues of supply chain management with new perspective providing examples of integrated framework for global SCM, novel ways of improving flexibility, responsiveness, and competitiveness via strategic IT alliances among channel members in a supply chain network, and techniques that might facilitate improved strategic decision making in a SCM environment"--Provided by publisher.

## **Handbook of Research on Electronic Surveys and Measurements**

This is a practical 'hands on' guide to database analysis, design and implementation using UML. Students will find it a useful supplement to the Author's Database Systems as it contains a large number of ample data models, these are 'cut and paste' database solutions to commonly encountered problems which they could find useful when carrying out their assignments. \*\*\*\*

## **Database Solutions**

"This book is the comprehensive reference source for innovative knowledge on electronic surveys. It provides complete coverage of the challenges associated with the use of the Internet to develop online surveys, administer Web-based instruments, and conduct computer-mediated assessments. This

combination of how-to information about online research coupled with profiles of specific measures makes it an indispensable reference"--Provided by publisher.

### **Automated Data Collection with R**

"This book presents international authors, who are teacher educators, and their best practices in their environments, discussing topics such as the online learning environment, multimedia learning tools, inter-institutional collaboration, assessment and accreditation, and the effective use of Web 2.0 in classrooms"--Provided by publisher.

### **Workforce Asset Management Book of Knowledge**

### **Principles of Database Management**

Bioinformatics encompasses a broad and ever-changing range of activities involved with the management and analysis of data from molecular biology experiments. Despite the diversity of activities and applications, the basic methodology and core tools needed to tackle bioinformatics problems is common to many projects. This unique book provides an invaluable introduction to three of the main tools used in the development of bioinformatics software - Perl, R and MySQL - and explains how these can be used together to tackle the complex data-driven challenges that typify modern biology. These industry

standard open source tools form the core of many bioinformatics projects, both in academia and industry. The methodologies introduced are platform independent, and all the examples that feature have been tested on Windows, Linux and Mac OS. Building Bioinformatics Solutions is suitable for graduate students and researchers in the life sciences who wish to automate analyses or create their own databases and web-based tools. No prior knowledge of software development is assumed. Having worked through the book, the reader should have the necessary core skills to develop computational solutions for their specific research programmes. The book will also help the reader overcome the inertia associated with penetrating this field, and provide them with the confidence and understanding required to go on to develop more advanced bioinformatics skills.

### **Technology Leadership in Teacher Education: Integrated Solutions and Experiences**

The vast majority of software applications use relational databases that virtually every application developer must work with. This book introduces you to database design, whether you're a DBA or database developer. You'll discover what databases are, their goals, and why proper design is necessary to achieve those goals. Additionally, you'll master how to structure the database so it gives good performance while minimizing the chance for error. You will learn how to decide what should be in a database to meet the application's requirements.

## **Advanced Principles for Improving Database Design, Systems Modeling, and Software Development**

Introductory, theory-practice balanced text teaching the fundamentals of databases to advanced undergraduates or graduate students in information systems or computer science.

## **Beginning Database Design Solutions**

Up-to-date, comprehensive coverage of the Oracle database and business intelligence tools Written by a team of Oracle insiders, this authoritative book provides you with the most current coverage of the Oracle data warehousing platform as well as the full suite of business intelligence tools. You'll learn how to leverage Oracle features and how those features can be used to provide solutions to a variety of needs and demands. Plus, you'll get valuable tips and insight based on the authors' real-world experiences and their own implementations. Avoid many common pitfalls while learning best practices for: Leveraging Oracle technologies to design, build, and manage data warehouses Integrating specific database and business intelligence solutions from other vendors Using the new suite of Oracle business intelligence tools to analyze data for marketing, sales, and more Handling typical data warehouse performance challenges Uncovering initiatives by your business community, security business sponsorship, project staffing, and managing risk

## **E-Business Process Management: Technologies and Solutions**

Combines language tutorials with application design advice to cover the PHP server-side scripting language and the MySQL database engine.

### **Inside Ravendb 4.0**

Data Mining: Concepts and Techniques provides the concepts and techniques in processing gathered data or information, which will be used in various applications. Specifically, it explains data mining and the tools used in discovering knowledge from the collected data. This book is referred as the knowledge discovery from data (KDD). It focuses on the feasibility, usefulness, effectiveness, and scalability of techniques of large data sets. After describing data mining, this edition explains the methods of knowing, preprocessing, processing, and warehousing data. It then presents information about data warehouses, online analytical processing (OLAP), and data cube technology. Then, the methods involved in mining frequent patterns, associations, and correlations for large data sets are described. The book details the methods for data classification and introduces the concepts and methods for data clustering. The remaining chapters discuss the outlier detection and the trends, applications, and research frontiers in data mining. This book is intended for Computer Science students, application developers, business professionals, and researchers who seek information on data mining. Presents dozens of algorithms and

implementation examples, all in pseudo-code and suitable for use in real-world, large-scale data mining projects Addresses advanced topics such as mining object-relational databases, spatial databases, multimedia databases, time-series databases, text databases, the World Wide Web, and applications in several fields Provides a comprehensive, practical look at the concepts and techniques you need to get the most out of your data

### **Oracle Essentials**

The vast majority of software applications use relational databases that virtually every application developer must work with. This book introduces you to database design, whether you're a DBA or database developer. You'll discover what databases are, their goals, and why proper design is necessary to achieve those goals. Additionally, you'll master how to structure the database so it gives good performance while minimizing the chance for error. You will learn how to decide what should be in a database to meet the application's requirements.

### **Programming Windows Store Apps with HTML, CSS, and JavaScript**

Over the last few years, IBM® IMSTM and IMS tools have been modernizing the interfaces to IMS and the IMS tools to bring them more in line with the current interface designs. As the mainframe software products are becoming more integrated with the Windows and mobile environments, a common

approach to interfaces is becoming more relevant. The traditional 3270 interface with ISPF as the main interface is no longer the only way to do some of these processes. There is also a need to provide more of a common looking interface so the tools do not have a product-specific interface. This allows more cross product integration. Eclipse and web-based interfaces being used in a development environment, tooling using those environments provides productivity improvements in that the interfaces are common and familiar. IMS and IMS tools developers are making use of those environments to provide tooling that will perform some of the standard DBA functions. This book will take some selected processes and show how this new tooling can be used. This will provide some productivity improvements and also provide a more familiar environment for new generations DBAs. Some of the functions normally done by DBA or console operators can now be done in this eclipse-based environment by the application developers. This means that the need to request these services from others can be eliminated. This IBM Redbooks® publication examines specific IMS DBA processes and highlights the new IMS and IMS tools features, which show an alternative way to accomplish those processes. Each chapter highlights a different area of the DBA processes like: PSB creation Starting/stopping a database in an IMS system Recovering a database Cloning a set of databases

**BoogarLists | Directory of Financial Planning Software**

This book will get you up and running with the working of relational databases, data modeling, data manipulation, and more. You will learn to build efficient relational database solutions from scratch using the latest features of PostgreSQL 12 and 13. You'll also be able to identify bottlenecks to enhance the performance of database applications.

### **IBM IMS Solutions for Automating Database Management**

Solutions for Networked Databases: How to Move from Heterogeneous Structures to Federated Concepts reviews developments in standards and ad hoc solutions aimed at providing cross-database connectivity for networked databases. The emphasis is on how to move from heterogeneous structures to federated concepts. The advent of the multidatabase is discussed, along with schemata, dictionaries, and protocols. Applications with federated databases are also considered. Comprised of 18 chapters, this book begins with an introduction to database and knowledge bank concepts; reliability and availability characteristics; and the synergy necessary to create and sustain federated databases. Centralized and distributed databases are then compared, and the different ways of managing distributed databases are outlined. Subsequent chapters focus on the importance of treating the networked database as a corporate resource; the use of schemata to solve cross-database problems; the Information Resource Dictionary System; and application programming interface and remote data access. A solution to

heterogeneous distributed databases, the Data Access Integrated Services (DAIS), is described. This monograph is written for specialists in computers and communications.

### **Practical Database Programming With Visual C#.NET**

A novel approach to developing and applying databases with Visual C#.NET Practical Database Programming with Visual C#.NET clearly explains the considerations and applications in database programming with Visual C#.NET 2008 and in developing relational databases such as Microsoft Access, SQL Server, and Oracle Database. Sidestepping the traditional approach of using large blocks of code, Ying Bai utilizes both Design Tools and Wizards provided by Visual Studio.NET and real-time object methods to incorporate over sixty real sample database programming projects along with detailed illustrations and explanations to help readers understand the key techniques and programming technologies in database programming. This invaluable resource features: Fundamental and advanced database programming techniques for beginning and experienced students as well as programmers A real completed sample database CSE\_DEPT with three versions (Microsoft Access 2007, SQL Server 2005 SP2, and Oracle Database 10g XE Release 2) used throughout the entire book Step-by-step details on designing and building a practical relational database Discussion and analysis of the new database query technique, LINQ API—which

includes LINQ to Objects, LINQ to DataSet, LINQ to SQL, LINQ to Entities, and LINQ to XML—and implementation in actual projects with line-by-line explanation Homework and selected solutions for each chapter to strengthen and improve learning and understanding An Instructor's Manual (MS PPT), example codes and exercise questions, homework/exercise solutions, and database projects available for free download E-mail assistance from the author Readers who will benefit highly from this reference are undergraduate or graduate students majoring in computer science and engineering, graduate students in all engineering departments, and software engineers and researchers in academic and industrial fields. To obtain instructor materials please send an email to [pressbooks@ieee.org](mailto:pressbooks@ieee.org) Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

### **Learn PostgreSQL**

Enclosed within these pages is a complete guide that describes everything you need to know, from start to finish, to achieve a successful online business. This book is an invaluable resource for anyone on a tight budget who wishes to market products or services on the Internet. It is packed with "real world" information, tips and secrets that will save you hundreds of dollars. Rather than stumbling about, readers will jumpstart their success by benefiting from years of experience and countless hours of research. Written in plain English for non-techies, the book explains how to create, manage and promote a

Website. . Avoid frustrating mistakes and costly pitfalls . Find affordable or free resources to help you . Drive traffic to your Website through proven, inexpensive promotion tactics . Measure your success and make refinements . Improve your productivity . Generate even more revenue from your Website . Find additional help at each step along the way

### **Online Access**

A hands on guide to web scraping and text mining for both beginners and experienced users of R Introduces fundamental concepts of the main architecture of the web and databases and covers HTTP, HTML, XML, JSON, SQL. Provides basic techniques to query web documents and data sets(XPath and regular expressions). An extensive set of exercises are presented to guide the reader through each technique. Explores both supervised and unsupervised techniques as well as advanced techniques such as data scraping and text management. Case studies are featured throughout along with examples for each technique presented. R code and solutions to exercises featured in the book are provided on a supporting website.

### **Social Implications of Data Mining and Information Privacy: Interdisciplinary Frameworks and Solutions**

"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 Poolet, 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.

### **Microsoft Access Small Business Solutions**

This book covers the latest advances in Big Data technologies and provides the readers with a comprehensive review of the state-of-the-art in Big Data processing, analysis, analytics, and other related topics. It presents new models, algorithms, software solutions and methodologies, covering the full data

cycle, from data gathering to their visualization and interaction, and includes a set of case studies and best practices. New research issues, challenges and opportunities shaping the future agenda in the field of Big Data are also identified and presented throughout the book, which is intended for researchers, scholars, advanced students, software developers and practitioners working at the forefront in their field.

### **Put Your Business Online**

### **Building Bioinformatics Solutions**

Tap the power of Big Data with Microsoft technologies Big Data is here, and Microsoft's new Big Data platform is a valuable tool to help your company get the very most out of it. This timely book shows you how to use HDInsight along with HortonWorks Data Platform for Windows to store, manage, analyze, and share Big Data throughout the enterprise. Focusing primarily on Microsoft and HortonWorks technologies but also covering open source tools, Microsoft Big Data Solutions explains best practices, covers on-premises and cloud-based solutions, and features valuable case studies. Best of all, it helps you integrate these new solutions with technologies you already know, such as SQL Server and Hadoop. Walks you through how to integrate Big Data solutions in your company using Microsoft's HDInsight Server, HortonWorks Data Platform for Windows, and open source tools Explores both on-premises and cloud-based solutions Shows how to store, manage,

analyze, and share Big Data through the enterprise Covers topics such as Microsoft's approach to Big Data, installing and configuring HortonWorks Data Platform for Windows, integrating Big Data with SQL Server, visualizing data with Microsoft and HortonWorks BI tools, and more Helps you build and execute a Big Data plan Includes contributions from the Microsoft and HortonWorks Big Data product teams If you need a detailed roadmap for designing and implementing a fully deployed Big Data solution, you'll want Microsoft Big Data Solutions.

### **Integrated Solutions with DB2**

Your company's global competitiveness depends on the utilization and maintenance of information. Current data handling practices-storing, updating, and accessing data-can be either a problem or a significant strategic advantage for your company. Designing a Total Data Storage Solution: Technology, Implementation, and Deployment gives you the inform

### **Learning PostgreSQL 10**

### **R for Data Science**

This text provides an account and an analysis of key issues within the field of cybercrime. It focuses on different constructions and manifestations of cybercrime and diverse responses to its regulation.

## Designing a Total Data Solution

Leverage the power of PostgreSQL 10 to build powerful database and data warehousing applications. About This Book Be introduced to the concept of relational databases and PostgreSQL, one of the fastest growing open source databases in the world Learn client-side and server-side programming in PostgreSQL, and how to administer PostgreSQL databases Discover tips on implementing efficient database solutions with PostgreSQL 10 Who This Book Is For If you're interested in learning more about PostgreSQL - one of the most popular relational databases in the world, then this book is for you. Those looking to build solid database or data warehousing applications with PostgreSQL 10 will also find this book a useful resource. No prior knowledge of database programming or administration is required to get started with this book. What You Will Learn Understand the fundamentals of relational databases, relational algebra, and data modeling Install a PostgreSQL cluster, create a database, and implement your data model Create tables and views, define indexes, and implement triggers, stored procedures, and other schema objects Use the Structured Query Language (SQL) to manipulate data in the database Implement business logic on the server side with triggers and stored procedures using PL/pgSQL Make use of advanced data types supported by PostgreSQL 10: Arrays, hstore, JSONB, and others Develop OLAP database solutions using the most recent features of PostgreSQL 10 Connect your Python applications to a PostgreSQL database and

work with the data efficiently Test your database code, find bottlenecks, improve performance, and enhance the reliability of the database applications In Detail PostgreSQL is one of the most popular open source databases in the world, and supports the most advanced features included in SQL standards and beyond. This book will familiarize you with the latest new features released in PostgreSQL 10, and get you up and running with building efficient PostgreSQL database solutions from scratch. We'll start with the concepts of relational databases and their core principles. Then you'll get a thorough introduction to PostgreSQL and the new features introduced in PostgreSQL 10. We'll cover the Data Definition Language (DDL) with an emphasis on PostgreSQL, and the common DDL commands supported by ANSI SQL. You'll learn to create tables, define integrity constraints, build indexes, and set up views and other schema objects. Moving on, you'll get to know the concepts of Data Manipulation Language (DML) and PostgreSQL server-side programming capabilities using PL/pgSQL. This will give you a very robust background to develop, tune, test, and troubleshoot your database application. We'll also explore the NoSQL capabilities of PostgreSQL and connect to your PostgreSQL database to manipulate data objects. By the end of this book, you'll have a thorough understanding of the basics of PostgreSQL 10 and will have the necessary skills to build efficient database solutions. Style and approach This book is a comprehensive beginner level tutorial on PostgreSQL and introduces the features of the newest version 10, along with explanation of concepts in a very easy to understand manner. Practical tips and examples are

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provided at every step to ensure you are able to grasp each topic as quickly as possible.

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