Practical Mdx Queries For Microsoft Sql Server Analysis Services 2008

A hands-on tutorial on building and using multidimensional data warehouses The SQL query language is used to access data in most simple databases. But for multidimensional (or OLAP) data warehouses, Microsoft developed MDX. The MDX query language has become essential know-how for developers and users alike, whether for data warehouses or for budgeting and planning systems. This tutorial/reference guide shows developers and users how to use MDX to access and analyze data for decision support. Both the standard language and Microsoft's own extensive additions to MDX are explained. The authors provide practical examples of MDX in use, and explain both standard usage and more advanced techniques, such as optimization, cube design, and Pareto analysis. Finally, the appendices provide a handy reference guide that users can rely on.

Practical MDX Queries shows how to use Multi-Dimensional Expressions (MDX) to extract business intelligence from multi-dimensional cubes within Microsoft's Business Intelligence stack. The book s approach is solutions-based and hands-on, containing more than 300 downloadable MDX queries that can be immediately applied across a wide variety of business intelligence-related problems. It begins with fundamental principles and simple queries and rapidly progresses to complex and sophisticated queries. The book is structured as follows: Query Overview: Introduction and description of query and its use Syntax: Complete syntax Result: Illustrates the data returned from the Analysis Services cube by the query Analysis: Analysis of the results and tips for customization

250 + ready-to-use, powerful DAX formulas Develop effective business intelligence (BI) solutions and drive faster, better decision making across your enterprise with help from an experienced database consultant and trainer. Through clear explanations, screenshots, and examples, Practical PowerPivot & DAX Formulas for Excel 2010 shows you how to extract actionable insights from vast amounts of corporate data. More than 250 downloadable DAX formulas plus valuable appendixes covering SQL, MDX, and DMX query design are included in this hands-on guide. Build pivot tables and charts with PowerPivot for Excel Import information from Access, Excel, data feeds, SQL Server, and other sources Organize and format BI reports using the PowerPivot Field List Write DAX formulas that filter, sort, average, and denormalize data Construct complex DAX formulas from statistical, math, and date functions Compare current and past performance using date and time intelligence Handle non-additive numbers, non-numeric values, and running totals Develop complete self-service and sharable BI solutions in a few minutes Download the source code from www.mhprofessional.com/computingdownload

Teach yourself the Multidimensional Expressions (MDX) query language—one step at a time. With this practical, learn-by-doing tutorial, you'll build the core techniques for using MDX with Analysis Services to deliver high-performance business intelligence solutions. Discover how to: Construct and execute MDX queries Work with tuples, sets, and expressions Build complex sets to retrieve the exact data users need Perform aggregation functions and navigate data hierarchies Assemble time-based business metrics Customize an Analysis Services cube through the MDX script Implement dynamic security to control data access Develop MDX-driven reports in SQL Server Reporting Services CD features: Practice exercises Database and code samples Fully searchable eBook

400+ ready-to-use, powerful SQL queries Learn powerful techniques for surfacing and delivering actionable business intelligence using SQL. Practical SQL Queries for Microsoft SQL Server 2008 R2 contains more than 400 downloadable SQL queries you can use to extract meaningful insights from large amounts of data. The application, syntax, and results of each query are described in detail. The book emphasizes SQL for use in SSMS, but the queries also apply to SSRS, WinForms, WebForms, and many other applications. Enter, maintain, and retrieve database data Search records using the Where clause Sort SQL query results with the Order By clause Create tables and perform joins on tables Perform set operations using Union, Intersect, and Except Group data and produce totals with the Group By clause Manipulate and transform data using built-in functions Create reusable views and user-defined functions Use stored procedures to change SQL dynamically based on conditional factors Create, maintain, and secure database objects with DDL and DCL Deliver SQL query results to end users

Over 70 practical recipes to analyze multi-dimensional data in SQL Server 2016 Analysis Services cubes About This Book Updated for SQL Server 2016, this book helps you take advantage of the new MDX commands and the new features introduced in SSAS Perform time-related, context-aware, and business related-calculations with ease to enrich your Business Intelligence solutions Collection of techniques to write flexible and high performing MDX queries in SSAS with carefully structured examples Who This Book Is For This book is for anyone who has been involved in working with multidimensional data. If you are a multidimensional cube developer, a multidimensional database administrator, or a report developer who writes MDX queries to access multidimensional cube, this book will help you. If you are a power cube user or an experienced business analyst, you will also find this book invaluable in your data analysis. This book is for you are interested in doing more data analysis so that the management can make timely and accurate business decisions. What You Will Learn Grasp the fundamental MDX concepts, features, and techniques Work with sets Work with Time dimension and create time-aware calculations Make analytical reports compact, concise, and efficient Navigate cubes Master MDX for reporting with Reporting Services (new) Perform business analytics Design efficient cubes and efficient MDX queries Create metadata-driven calculations (new) Capture MDX queries and many other techniques In Detail If you're often faced with MDX challenges, this is a book for you. It will teach you how to solve various real-world business requirements using MDX queries and calculations. Examples in the book introduce an idea or a problem and then guide you through the process of implementing the solution in a step-by-step manner, inform you about the best practices and offer a deep knowledge in terms of how the solution works. Recipes are organized by chapters, each covering a single topic. They start slowly and logically progress to more advanced techniques. In

case of complexity, things are broken down. Instead of one, there are series of recipes built one on top of another. This way you are able to see intermediate results and debug potential errors faster. Finally, the cookbook format is here to help you quickly identify the topic of interest and in it a wide range of practical solutions, that is – MDX recipes for your success. Style and approach This book is written in a cookbook format, where you can browse through and look for solutions to a particular problem in one place. Each recipe is short, to the point and grouped by relevancy. All the recipes are sequenced in a logical progression; you will be able to build up your understanding of the topic incrementally.

As the foundation of the Microsoft Business Intelligence Strategy, Microsoft SQL Server 2008 Analysis Services provides users with faster access to data and even more tools for managing and analyzing data across multidimensional objects (databases, dimensions, cubes). Microsoft SQL Server 2008 Analysis Services Unleashed is the ultimate guide for anyone who is planning to use the latest version of Analysis Services. It gives readers insight into the way Analysis Services functions, and explains practical methods for designing and creating multidimensional objects. It also provides valuable insight into the reasons behind the design decisions taken by the product development team. The authors have been involved with Analysis Services from its earliest days. They have documented in detail the internal features of Analysis Services 2008, explaining server architecture, main data structures, data processing, and query resolution algorithms. Discover the new functionality introduced in Analysis Services 2008 including MDX enhancements and new DMV (dynamic memory views) Work with the Business Intelligence Development Studio, the new Dimension Editor, and Aggregation Designer interfaces Enjoy complete coverage of new Shared Scalable Databases scale-out infrastructure Learn the key concepts of multidimensional modeling Explore the multidimensional object model and its definition language Integrate multidimensional and relational databases Build client applications to access data in Analysis Services Unravel the inner workings of the server architecture, including main data structures, data processing, and query resolution algorithms Learn the main concepts of the MDX language and gain an in-depth understanding of advanced MDX concepts Gain a deeper understanding of the internal and external protocols for data transfer, including the XML/A protocol Discover how Analysis Services manages memory Explore the security model, including role-based security, code-access security, and data security Category: Microsoft SQL Server Covers: Microsoft SQL Server 2008 Analysis Services User Level: Intermediate-Advanced

300+ ready-to-use, powerful MDX queries This hands-on guide shows you how to use Multi-Dimensional Expressions (MDX) to extract business intelligence from multi-dimensional cubes. Practical MDX Queries contains more than 300 downloadable MDX queries that can be applied across a wide variety of business intelligence-related problems. The use, syntax, and results of each query are described in detail. The book emphasizes MDX for use with SSAS within SSMS, but the techniques and queries also apply to SSRS, SSIS, MDX in SQL, MDX in DMX, MDX in XMLA, WinForms, WebForms, PerformancePoint Server, ProClarity, and many third-party applications. Work with dimensions, hierarchies, levels, and members Navigate both horizontally and vertically across dimensions and hierarchies Sort the results of your queries Access subsets of dimension members and measure values using the Where clause and Filter function Use MDX query calculations Extract and manipulate dates and times Produce totals, subtotals, and changes cross time using aggregate and other functions Create, visualize, and manipulate sets Work with perspectives, subselects, and subcubes Display and hide empty cells Use, modify, format, and create Key Performance Indicators (KPIs) Deliver MDX query results to end users

Get the end-to-end instruction you need to design, develop, and deploy more effective data integration, reporting, and analysis solutions using SQL Server 2008—whether you’re new to business intelligence (BI) programming or a seasoned pro. With real-world examples and insights from an expert team, you’ll master the concepts, tools, and techniques for building solutions that deliver intelligence—and business value—exactly where users want it. Discover how to: Manage the development life cycle and build a BI team Dig into SQL Server Analysis Services, Integration Services, and Reporting Services Navigate the Business Intelligence Development Studio (BIDS) Write queries that rank, sort, and drill down on sales data Develop extract, transform, and load (ETL) solutions Add a source code control system Help secure packages for deployment via encryption and credentials Use MDX and DMX Query Designers to build reports based on OLAP cubes and data mining models Create and implement custom objects using .NET code View reports in Microsoft Office Excel and Office SharePoint Serverook

Understand Microsoft's dramatically updated new release of its premier toolset for business intelligence The first major update to Microsoft's state-of-the-art, complex toolset for business intelligence (BI) in years is now available and what better way to master it than with this detailed book from key members of the product's development team? If you're a database or data warehouse developer, this is the expert resource you need to build full-scale, multi-dimensional, database applications using Microsoft's new SQL Server 2012 Analysis Services and related tools. Discover how to solve real-world BI problems by leveraging a slew of powerful new Analysis Services features and capabilities. These include the new DAX language, which is a more user-friendly version of MDX; PowerPivot, a new tool for performing simplified analysis of data; BISM, Microsoft's new Business Intelligence Semantic Model; and much more. Serves as an authoritative guide to Microsoft's new SQL Server 2012 Analysis Services BI product and is written by key members of the Microsoft Analysis Services product development team Covers SQL Server 2012 Analysis Services, a major new release with a host of powerful new features and capabilities Topics include using the new DAX language, a simplified, more user-friendly version of MDX; PowerPivot, a new tool for performing simplified analysis of data; BISM, Microsoft's new Business Intelligence Semantic Model; and a new, yet-to-be-named BI reporting tool Explores real-world scenarios to help developers build comprehensive solutions Get thoroughly up to speed on this powerful new BI toolset with the timely and authoritative Professional Microsoft SQL Server 2012 Analysis Services with MDX.

As a practical tutorial for Analysis Services, get started with developing cubes. "Getting Started with SQL Server 2012 Cube Development" walks you through the basics, working with SSAS to build cubes and get them up and running.Written for SQL Server developers who have not previously worked with Analysis Services. It is assumed that you have experience with relational

databases, but no prior knowledge of cube development is required. You need SQL Server 2012 in order to follow along with the exercises in this book.
More than 80 recipes for enriching your Business Intelligence solutions with high-performance MDX calculations and flexible MDX queries in this book and eBook.
Essential Skills--Made Easy! Learn how to create data models that allow complex data to be analyzed, manipulated, extracted, and reported upon accurately. Data Modeling: A Beginner's Guide teaches you techniques for gathering business requirements and using them to produce conceptual, logical, and physical database designs. You'll get details on Unified Modeling Language (UML), normalization, incorporating business rules, handling temporal data, and analytical database design. The methods presented in this fast-paced tutorial are applicable to any database management system, regardless of vendor. Designed for Easy Learning Key Skills & Concepts--Chapter-opening lists of specific skills covered in the chapter Ask the expert--Q&A sections filled with bonus information and helpful tips Try This--Hands-on exercises that show you how to apply your skills Notes--Extra information related to the topic being covered Self Tests--Chapter-ending quizzes to test your knowledge Andy Oppel has taught database technology for the University of California Extension for more than 25 years. He is the author of Databases Demystified, SQL Demystified, and Databases: A Beginner's Guide, and the co-author of SQL: A Beginner's Guide, Third Edition, and SQL: The Complete Reference, Third Edition.
Teaches solution architects, designers, and developers how to use Microsoft's reporting platform to create reporting and business intelligence (BI) solutions Updated with new information about holistic BI solutions, comprehensive OLAP/Analysis Services reporting, and complete production deployment scenarios Includes programming examples focused on specific, scenario-based solutions Explains reporting services architecture and business intelligence, teaches the fundamentals of designing reports through the use of careful planning considerations, and covers advanced report design and filtering techniques
With the information in Microsoft Office PerformancePoint Server 2007, you can learn the best practices for managing business performance using Office PerformancePoint 2007 and related Microsoft tools. The specific end-user scenarios begin by describing the business requirements and objectives and end with detailed technical guidance for implementing performance management solutions. Leverage PerformancePoint with other key technologies, including SharePoint Server, SQL Server Business Intelligence tools and Office Excel and Excel Services. Use PerformancePoint for common performance management scenarios, including scorecarding, dashboarding, reporting, analysis, planning, budgeting and forecasting.
Harness the power of SQL Server, Microsoft’s high-performance database and data analysis software package, by accesing everything you need to know in Microsoft SQL Server 2008 Bible. Learn the best practices, tips, and tricks from this comprehensive tutorial and reference, which includes specific examples and sample code, with nearly every task demonstrated in both a graphical and SQL code method. Understand how to develop SQL Server databases and data connections, how to administer the SQL Server and keep databases performing optimally, and how to navigate all the new features of the 2008 release.
Previous McGraw-Hill SQL Server 2005 titles have sold more than 40,000 copies High availability is an important new focus for SQL Server 2005--IT professionals must be skilled in maximizing system uptime
Microsoft SQL Server Analysis Services provides fast access to data by means of multidimensional data structures and the multidimensional query languag MDX. Analysis Services provides the capability to design, create, and manage multidimensional cubes based on data warehouse tables, and it serves as the foundation for the Microsoft Business Intelligence strategy. Microsoft SQL Server 2005 Analysis Services gives the reader insight into the way Analysis Services functions. It not only explains ways to design and create multidimensional objects, databases, dimensions, and cubes, but also provides invaluable information about the reasons behind design decisions made by the development team. Here's what you will find inside: Understand the key concepts of multidimensional modeling Explore the multidimensional object model and its definition language Learn the main concepts of the MDX language and gain an in-depth understanding of advanced MDX concepts Understand the mechanisms of integrating multidimensional and relational databases Learn how to build client applications to access data in Analysis Services Examine server architecture, including main data structures, data processing, and query resolution algorithms Gain a deep understanding of the internal and external protocols for data transfer, including the XML/A protocol Explore how Analysis Services manages memory Explore the security model, including role-based security, code-access security, and data security Discover how to monitor and manage Analysis Services All the code for the sample database used in the book can be found at www.informit.com/title/0672327821.
Provides information on the fundamentals of Microsoft SQL Server 2005 Analysis Services.
Shows users and developers how to use MDX to effectively to provide relevant business information.
Over 70 practical recipes to analyze multi-dimensional data in SQL Server 2016 Analysis Services cubesAbout This Book- Updated for SQL Server 2016, this book helps you take advantage of the new MDX commands and the new features introduced in SSAS- Perform time-related, context-aware, and business related-calculations with ease to enrich your Business Intelligence solutions- Collection of techniques to write flexible and high performing MDX queries in SSAS with carefully structured examplesWho This Book Is ForThis book is for anyone who has been involved in working with multidimensional data. If you are a multidimensional cube developer, a multidimensional database administrator, or a report developer who writes MDX queries to access multidimensional cube, this book will help you. If you are a power cube user or an experienced business analyst, you will also find this book invaluable in your data analysis. This book is for you are interested in doing more data analysis so that the management can make timely and accurate business decisions.What You Will Learn- Grasp the fundamental MDX concepts, features, and techniques- Work with sets- Work with Time dimension and create time-aware calculations- Make analytical reports compact, concise, and efficient- Navigate cubes- Master MDX for reporting with Reporting Services (new)- Perform business analytics- Design efficient cubes and efficient MDX queries- Create metadata-driven calculations (new)- Capture MDX queries and many other techniquesIn DetailIf you're often faced with MDX challenges, this is a book for you. It will teach you how to solve various real-world business requirements using MDX queries and calculations.Examples in the book introduce an idea or a problem and then guide you through the process of implementing the solution in a step-by-step manner, inform you about the best practices and offer a deep knowledge in terms of how the solution works. Recipes are organized by chapters, each covering a single topic. They start slowly and logically progress to more advanced techniques.In case of complexity, things are broken down. Instead of one, there are series of recipes built one on top of another. This way you are able to see intermediate

results and debug potential errors faster.Finally, the cookbook format is here to help you quickly identify the topic of interest and in it a wide range of practical solutions, that is - MDX recipes for your success.Style and approachThis book is written in a cookbook format, where you can browse through and look for solutions to a particular problem in one place. Each recipe is short, to the point and grouped by relevancy. All the recipes are sequenced in a logical progression; you will be able to build up your understanding of the topic incrementally.

CD-ROM contains: Samples of MDX expressions, queries, local cubes -- Sample OLAP database -- MDXBuilder 2.0 trial software -- Visual Basic 6.0 sample code.

With this textbook, Vaisman and Zimányi deliver excellent coverage of data warehousing and business intelligence technologies ranging from the most basic principles to recent findings and applications. To this end, their work is structured into three parts. Part I describes “Fundamental Concepts” including multi-dimensional models; conceptual and logical data warehouse design and MDX and SQL/OLAP. Subsequently, Part II details “Implementation and Deployment,” which includes physical data warehouse design; data extraction, transformation, and loading (ETL) and data analytics. Lastly, Part III covers “Advanced Topics” such as spatial data warehouses; trajectory data warehouses; semantic technologies in data warehouses and novel technologies like Map Reduce, column-store databases and in-memory databases. As a key characteristic of the book, most of the topics are presented and illustrated using application tools. Specifically, a case study based on the well-known Northwind database illustrates how the concepts presented in the book can be implemented using Microsoft Analysis Services and Pentaho Business Analytics. All chapters are summarized using review questions and exercises to support comprehensive student learning. Supplemental material to assist instructors using this book as a course text is available at http://cs.ulb.ac.be/DWSDIbook/, including electronic versions of the figures, solutions to all exercises, and a set of slides accompanying each chapter. Overall, students, practitioners and researchers alike will find this book the most comprehensive reference work on data warehouses, with key topics described in a clear and educational style.

A book-and-video introduction to Microsoft's Business Intelligence tools If you are just starting to get a handle on Microsoft Business Intelligence (BI) tools, this book and accompanying video provides you with the just the right amount of information to perform basic business analysis and reporting. You'll explore the components and related tools that comprise the Microsoft BI toolset as well as the new BI features of Office 2010. After a basic primer on BI and data modeling, the expert team of authors provides you with step-by-step lessons in the book and videos on the accompanying DVD on how to use SQL Server Integration Services, SQL Server Analysis Services, SQL Server Reporting Services, Excel BI (including PowerPivot), and SharePoint. Integrates instructional videos with each of the lessons found in the book to enhance your learning experience Explores the Microsoft Business Intelligence (BI) toolset as well as the new BI features of Office 2010 Encourages you to practice what you've learned in "Try It Out" sections Contains video demonstrations that walk you through how to tackle each lesson featured in the book With Knight's Microsoft Business Intelligence 24-Hour Trainer, veteran authors present you with an ideal introductory book-and-video package so that you can get started working with the BI toolset immediately! Note: As part of the print version of this title, video lessons are included on DVD. For e-book versions, video lessons can be accessed at wrox.com using a link provided in the interior of the e-book.

Master Microsoft's Business Intelligence Tools Building Integrated Business Intelligence Solutions with SQL Server 2008 R2 & Office 2010 explains how to take full advantage of Microsoft's collaborative business intelligence (BI) tools. A variety of powerful, flexible technologies are covered, including SQL Server Analysis Services (SSAS), Excel, Excel Services, PowerPivot, SQL Server Integration Services (SSIS), Server Reporting Services (SSRS), SharePoint Server 2010, PerformancePoint Services, and Master Data Services. This practical guide focuses on deveoloping end-to-end BI solutions that foster informed decision making. Create a multidimensional store for aggregating business data with SSAS Maximize the analysis capabilities of Excel and Excel Services Combine data from different sources and connect data for analysis with PowerPivot Move data into the system using SSIS, InfoPath, Streamsight, and SharePoint 2010 External Lists Build and publish reports with SSRS Integrate data from disparate applications, using SharePoint 2010 BI features Create scorecards and dashboards with PerformancePoint Services Summarize large volumes of data in charts and graphs Use the SSRS map feature for complex visualizations of spatial data Uncover patterns and relationships in data using the SSAS data mining engine Handle master data management with Master Data Services Publish the components of your BI solution and perform administrative tasks

250+ Ready-to-Use, Powerful DMX Queries Transform data mining model information into actionable business intelligence using the Data Mining Extensions (DMX) language. Practical DMX Queries for Microsoft SQL Server Analysis Services 2008 contains more than 250 downloadable DMX queries you can use to extract and visualize data. The application, syntax, and results of each query are described in detail. The book emphasizes DMX for use in SSMS against SSAS, but the queries also apply to SSRS, SSIS, DMX in SQL, WinForms, WebForms, and many other applications. Techniques for generating DMX syntax from graphical tools are also demonstrated in this valuable resource. View cases within data mining structures and models using DMX Case queries Examine the content of a data mining model with DMX Content queries Perform DMX Prediction queries based on the Decision Trees algorithm and the Time Series algorithm Run Prediction and Cluster queries based on the Clustering algorithm Execute Prediction queries with Association and Sequence Clustering algorithms Use DMX DDL queries to create, alter, drop, back up, and restore data mining objects Display various parameters for each algorithm with Schema queries Examine the values of discrete, discretized, and continuous structure columns using Column queries Use graphical interfaces to generate Prediction, Content, Cluster, and DDL queries Deliver DMX query results to end users Download the source code from www.mhprofessional.com/computingdownload

80 recipes for enriching your Business Intelligence solutions with high-performance MDX calculations and flexible MDX queries Enrich your BI solutions by implementing best practice MDX calculations Master a wide range of time-related, context-aware, and business-related calculations Enhance your solutions by combining MDX with utility dimensions Become skilled in making reports concise Learn how to optimize, dissect, and debug your MDX calculations Maximize your learning with detailed explanations following each solution Packed with practical, hands-on cookbook recipes, illustrating the techniques to enrich your Business Intelligence solutions In Detail Microsoft SQL Server is an enterprise database platform that contains a multitude of technologies, Analysis Services being one of them. SQL Server Analysis Services (SSAS) provides OLAP and data mining capabilities and allows users to analyze multidimensional data stored in cubes using the MDX query language. This cookbook contains over 80 practical, task-based recipes that show how Microsoft SQL Server 2008 R2 Analysis Services solutions can be taken further by enriching them with high-performance MDX calculations and flexible MDX queries. Packed with immediately usable, real-world recipes, the book starts with elementary

techniques that lay the foundation for designing further MDX calculations and queries. Here you will find topics such as iterations on a set, Boolean logic, and dissecting and optimizing MDX calculations. In the first half of the book you will learn how to efficiently work with time, strings, metadata, calculated members and sets in general, and how to implement MDX solutions that are appropriate in a particular context: a time-aware calculation, a concise report, a calculation relative to another. You will also learn how to implement various types of conditional formatting, how to perform typical MDX calculations like ranks, percentages and average

Leverage the integration of SQL Server and Office for moreeffective BI Applied Microsoft Business Intelligence shows you how toleverage the complete set of Microsoft tools—includingMicrosoft Office and SQL Server—to better analyze businessdata. This book provides best practices for building complete BIsolutions using the full Microsoft toolset. You will learn how toeffectively use SQL Server Analysis and Reporting Services, alongwith Excel, SharePoint, and other tools to provide effective andcohesive solutions for the enterprise. Coverage includes BIarchitecture, data queries, semantic models, multidimensionalmodeling, data analysis and visualization, performance monitoring,data mining, and more, to help you learn to perform practicalbusiness analysis and reporting. Written by an author team thatincludes a key member of the BI product team at Microsoft, thisuseful reference provides expert instruction for more effective useof the Microsoft BI toolset. Use Microsoft BI suite cohesively for more effective enterprisesolutions Search, analyze, and visualize data more efficiently andcompletely Develop flexible and scalable tabular and multidimensionalmodels Monitor performance, build a BI portal, and deploy and managethe BI Solution

Serving as both a tutorial and a reference guide to the MDX (Multidimensional Expressions) query language, this book shows data warehouse developers what they need to know to build effective multidimensional data warehouses After a brief overview of the MDX language and a look at how it is used to access data in sophisticated, multidimensional databases and data warehousing, the authors move directly to providing practical examples of MDX in use New material covers changes in the MDX language itself as well as major changes in its implementation with the latest software releases of Microsoft SQL Server Analysis Services 2005 and Hyperion Essbase Also covers more advanced techniques, like aggregation, query templates, and MDX optimization, and shows users what they need to know to access and analyze data to make better business decisions Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

This is a practical tutorial for Analysis Services that shows readers how to solve problems commonly encountered while designing cubes, and explains which features of Analysis Services work well and which should be avoided. The book walks through the whole cube development lifecycle, from building dimensions, cubes and calculations to tuning and moving the cube into production. This book is aimed at Analysis Services developers who already have some experience but who want to go into more detail on advanced topics, and who want to learn best practices for cube design.

This book constitutes the refereed proceedings of the 12th International Conference on Data Warehousing and Knowledge Discovery, DaWak 2010 held in Bilbao, Spain in August/September 2010. The 26 revised full papers presented were carefully reviewed and selected from 112 submissions. The papers cover a wide range of topics within cloud intelligence, data warehousing, knowledge discovery, and applications.

A must-have guide for the latest updates to the new release of Reporting Services SQL Server Reporting Services allows you to create reports and business intelligence (BI) solutions. With this updated resource, a team of experts shows you how Reporting Services makes reporting faster, easier and more powerful than ever in web, desktop, and portal solutions. New coverage discusses the new reporting tool called Crescent, BI semantic model's impact on report design and creation, semantic model design, and more. You'll explore the major enhancements to Report Builder and benefit from best practices shared by the authors. Builds on the previous edition while also providing coverage of the new features introduced with SQL Server 2012 Explains Reporting Services architecture and BI fundamentals Covers advanced report design and filtering techniques, walking you through each design, discussing its purpose and the conditions where it could be more efficient Discusses semantic model design, Report Builder, Crescent, and more Targets business analysts and report designers as well as BI solution developers Professional Microsoft SQL Server 2012 Reporting Services is mandatory reading if you are eager to start using the newest version of SQL Server Reporting Services.

A practical cookbook packed with recipes to help developers produce data cubes as quickly as possible by following step by step instructions, rather than explaining data mining concepts with SSAS. If you are a BI or ETL developer using SQL Server Analysis services to build OLAP cubes, this book is ideal for you. Prior knowledge of relational databases and experience with Excel as well as SQL development is required.

When used with the MDX query language, SQL Server Analysis Services allows developers to build full-scale database applications to support such business functions as budgeting, forecasting, and market analysis. Shows readers how to build data warehouses and multi-dimensional databases, query databases, and use Analysis Services and other components of SQL Server to provide end-to-end solutions Revised, updated, and enhanced, the book discusses new features such as improved integration with Office and Excel 2007; query performance enhancements; improvements to aggregation designer, dimension designer, cube and dimension wizards, and cell writeback; extensibility and personalization; data mining; and more

Extend your programming skills with a comprehensive study of the key features of SQL Server 2008. Delve into the new core capabilities, get practical guidance from expert developers, and put their code samples to work. This is a must-read for Microsoft .NET and SQL Server developers who work with data access—at the database, business logic, or presentation levels. Discover how to: Query complex data with powerful Transact-SQL enhancements Use new, non-relational features: hierarchical tables, native file streaming, and geospatial capabilities Exploit XML inside the database to design XML-aware applications Consume and deliver your data using Microsoft LINQ, Entity Framework, and data binding Implement database-level encryption and server auditing Build and maintain data warehouses Use Microsoft Excel to build front ends for OLAP cubes, and MDX to query them Integrate data mining into applications quickly and effectively. Get code samples on the Web.

This updated and expanded second edition of the Practical MDX Queries: For Microsoft SQL Server Analysis Services 2008 provides a user-friendly introduction to the subject Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the

reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business.

A Detailed Look at Data Processing Extensions