

# Sql Server Analysis Services Tutorial

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## RILEY JAYCE

**Microsoft SQL Server 2008 MDX Step by Step** Pearson Education

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.

**Design and query tabular and multi-dimensional models using Microsoft's SQL Server Analysis Services** Apress  
SQL Server 2005, Microsoft's next-generation data management and analysis solution, represents a huge leap forward. It comes with a myriad of changes that deliver increased security, scalability, and power—making it the complete data package. Used properly, SQL Server 2005 can help organizations of all sizes meet their data challenges head on. Programming SQL Server 2005 from O'Reilly provides a practical look at this updated version of Microsoft's premier database product. It guides you through all the new features, explaining how they work and how to use them. The first half of the book examines the changes and new features of the SQL Server Engine itself. The second addresses the enhanced features and tools of the platform, including the new services blended into this popular version. Each chapter contains numerous code samples—written in C# and compiled using the Visual Studio 2005 development environment—that show you exactly how to program SQL Server 2005. Programming SQL Server 2005 can help you: Build, deploy, and manage enterprise applications that are more secure, scalable, and reliable Maximize IT productivity by reducing the complexity of building, deploying, and managing database applications Share data across multiple platforms, applications, and devices to make it easier to connect internal and external systems Because the goal of Programming SQL Server 2005 is to introduce all facets of Programming SQL Server 2005, it's beneficial to programmers of all levels. The book can be used as a primer by developers with little experience with SQL Server, as a ramp up to the new programming models for SQL Server 2005 for more experienced programmers, or as background and primer to specific concepts. Any IT professional who wants to learn about SQL Server 2005's comprehensive feature set, interoperability with existing systems, and automation of routine tasks will find the answers in this authoritative guide.

**Expert Tips and Tricks for Designing Analysis Services**

**Multidimensional Models MDX SOLUTIONS WITH MS SQL SERVER ANALYSIS SERVICES**

Bridge the big data gap with Microsoft Business Intelligence Tools for Excel Analysts The distinction between departmental reporting done by business analysts with Excel and the enterprise reporting done by IT departments with SQL Server and SharePoint tools is more blurry now than ever before. With the introduction of robust new features like PowerPivot and Power View, it is essential for business analysts to get up to speed with big data tools that in the past have been reserved for IT professionals. Written by a team of Business Intelligence experts, Microsoft Business Intelligence Tools for Excel Analysts introduces business analysts to the rich toolset and reporting capabilities that can be leveraged to more effectively source and incorporate large datasets in their analytics while saving them time and simplifying the reporting process. Walks you step-by-step through important BI tools like PowerPivot, SQL Server, and SharePoint and shows you how to move data back and forth between these tools and Excel Shows you how to leverage relational databases, slice data into various views to gain different visibility perspectives, create eye-catching visualizations and dashboards, automate SQL Server data retrieval and integration, and publish dashboards and reports to the web Details how you can use SQL Server's built-in functions to analyze large amounts of data, Excel pivot tables to access and report OLAP data, and PowerPivot to create powerful reporting mechanisms You'll get on top of the Microsoft BI stack and all it

can do to enhance Excel data analysis with this one-of-a-kind guide written for Excel analysts just like you.

**Professional SharePoint 2013 Development** Wiley

Thorough coverage of development in SharePoint 2013 A team of well-known Microsoft MVPs joins forces in this fully updated resource, providing you with in-depth coverage of development tools in the latest iteration of the immensely popular SharePoint. From building solutions to building custom workflow and content management applications, this book shares field-tested best practices on all aspect of SharePoint 2013 development. Offers a thorough look at Windows Azure and SharePoint 2013 Includes new chapters on Application Life Cycle Management, developing apps in SharePoint, and building PerformancePoint Dashboards in SharePoint Professional SharePoint 2013 Development is an essential SharePoint developer title.

**Prepare for Deeper SQL Server Waters** John Wiley & Sons

Beginning T-SQL 2012 is the first step toward learning the T-SQL language that underlies Microsoft's SQL Server database engine. T-SQL is essential in writing SQL statements to get data into and out of a database. T-SQL is the foundation for business logic embedded in the database in the form of stored procedures and functions. Beginning T-SQL 2012 starts you on the path to mastering T-SQL, with an emphasis on best practices and sound coding techniques. Beginning T-SQL 2012 begins with an introduction to databases, normalization, and to SQL Server Management Studio. Each subsequent chapter teaches an aspect of T-SQL, building on the skills learned in previous chapters. Exercises in each chapter give readers an opportunity for the hands-on practice that leads to true learning and distinguishes the competent professional. Imparts best practices for writing T-SQL Helps you avoid common errors Shows how to write scalable code for good performance

**Business intelligence with Microsoft Excel, SQL Server Analysis Services, and Power BI** Packt Publishing Ltd

This book introduces concepts and capabilities new to Commerce Server 2000 and gives readers all the tools needed to implement Commerce Server solutions on their own systems. The book guides readers from installation through creation of a store by exploring various customization scenarios. The author's approach focuses on the hands-on details of how Commerce Server can be employed out-of-the-box, and explores reasons and methods for customization. The book will include case studies to illustrate key issues and problems, with solution sections explaining different alternatives.

**Microsoft SQL Server 2008 All-in-One Desk Reference For Dummies** 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

**MDX SOLUTIONS WITH MS SQL SERVER ANALYSIS SERVICES** Que Publishing

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.

**Excel 2016 Pivo Tabl Data C\_p1** Sams Publishing

This book shows beginning users how to manage their data using one of the world's most popular programs - Excel — without investing time and money in complex databases such as Access.

We've written and organized the book for readers who know something about Excel but nothing about databases. We provide quick start solutions, step-by-step exercises, try-it-out sections, troubleshooting, and best practices solutions.

**An Expert Cookbook** John Wiley & Sons

Using Power Query, you can import, reshape, and cleanse any data from a simple interface, so you can mine that data for all of its hidden insights. Power Query is embedded in Excel, Power BI, and other Microsoft products, and leading Power Query expert Gil Raviv will help you make the most of it. Discover how to eliminate time-consuming manual data preparation, solve common problems, avoid pitfalls, and more. Then, walk through several complete analytics challenges, and integrate all your skills in a realistic chapter-length final project. By the time you're finished, you'll be ready to wrangle any data—and transform it into actionable knowledge. Prepare and analyze your data the easy way, with Power Query · Quickly prepare data for analysis with Power Query in Excel (also known as Get & Transform) and in Power BI · Solve common data preparation problems with a few mouse clicks and simple formula edits · Combine data from multiple sources, multiple queries, and mismatched tables · Master basic and advanced techniques for unpivoting tables · Customize transformations and build flexible data mashups with the M formula language · Address collaboration challenges with Power Query · Gain crucial insights into text feeds · Streamline complex social network analytics so you can do it yourself For all information workers, analysts, and any Excel user who wants to solve their own business intelligence problems.

**The Definitive Guide to DAX** John Wiley & Sons

The massive amount of data collected by businesses often creates a lot of work without doing much good. To make data work for them, businesses need solutions that summarize and organize it in ways that will influence the decisions they make each day. With SQL Server Analysis Services Succinctly by Stacia Misner, you will learn how to implement a business intelligence solution through SQL Server Analysis Services. You'll start with developing a database, and learn which architecture is most appropriate for the database's end use. You will then learn how to design practical dimensions and cubes, and how to store business logic within the cubes through MDX. Finally, you will learn how to deploy a working solution to the tool of your choice in Microsoft's business intelligence stack, including Excel, SQL Server Reporting Services, and SharePoint.

**MDX with Microsoft SQL Server 2016 Analysis Services Cookbook** John Wiley & Sons

Human Capital Systems, Analytics, and Data Mining provides human capital professionals, researchers, and students with a comprehensive and portable guide to human capital systems, analytics and data mining. The main purpose of this book is to provide a rich tool set of methods and tutorials for Human Capital Management Systems (HCMS) database modeling, analytics, interactive dashboards, and data mining that is independent of any human capital software vendor offerings and is equally usable and portable among both commercial and internally developed HCMS. The book begins with an overview of HCMS, including coverage of human resource systems history and current HCMS Computing Environments. It next explores relational and dimensional database management concepts and principles. HCMS Instructional databases developed by the Author for use in Graduate Level HCMS and Compensation Courses are used for database modeling and dashboard design exercises. Exciting knowledge discovery and research Tutorials and Exercises using Online Analytical Processing (OLAP) and data mining tools through replication of actual original pay equity research by the author are included. New findings concerning Gender Based Pay Equity Research through the lens Comparable Worth and Occupational Mobility are covered extensively in Human Capital Metrics, Analytics and Data Mining Chapters.

**With Microsoft SQL Server Analysis Services** John Wiley & Sons

If you're in charge of database administration, developing database software, or looking for database solutions for your company, Microsoft SQL Server 2008 All-In-One Desk Reference For Dummies can help you get a handle on this extremely popular relational database management system. Here you'll find what's new in the latest version; how to choose and install the right variation for your needs; how to monitor, maintain, and protect your data; and what it takes to keep your database healthy. You'll discover how to: Build and maintain tables Design a database and communicate with it Retrieve, analyze, and report data Build solid, robust database applications Use the SQL Server Optimizer and Query Designer Navigate SQL Server with Visual Studio Develop useful reports with the Report Builder and Report

Designer Create Business Intelligence solutions with Business Intelligence Development Studio Configure your server and perform major administrative tasks To help you quickly find what you need, Microsoft SQL Server 2008 All-In-One Desk Reference For Dummies is divided into nine minibooks: Essential Concepts Designing and Using Databases Interacting With Your Data Database Programming Reporting Services Analysis Services Performance Tips and Tricks Database Administration Appendixes Microsoft SQL Server 2008 All-In-One Desk Reference For Dummies gets you started, helps you solve problems, and will even answer your questions down the road!

*Microsoft Business Intelligence Tools for Excel Analysts* Microsoft Press

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.

**Commerce Server 2000** Pearson Education

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

*Tabular Modeling in Microsoft SQL Server Analysis Services* Microsoft Press

Market\_Desc: Database and data warehouse developers Special Features: · SQL Server Analysis Services is Microsoft's premier toolset for business intelligence; the upcoming 2008 release promises major new features and enhancements.· The 2008 book is nearly 50% new and revised.· The authors of this book are the lead architects, developers, and testers of the Analysis Services product at Microsoft---the book is the most authoritative and first-to-market.· Microsoft is aggressively pursuing the business intelligence marketplace.· Wiley is the leading publisher of books on data warehousing. About The Book: The book shows readers how to build sophisticated business intelligence solutions using SQL Server Analysis Services, along with SQL Server Integration Services and Reporting Services. The authors begin with an overview showing how Analysis Services and MDX can be used to build data warehouses and multi-dimensional databases. They

then quickly move to a tutorial that describes the development process for building dimensions and cubes from various data sources.The authors next show how MDX can be used to query databases to provide sophisticated analysis of business problems. They demonstrate a variety of techniques against real-world case scenarios and also show how Analysis Services can be used with other components of SQL Server, including Integration Services, Reporting Services, and Data Mining to provide comprehensive, end-to-end solutions.

[Excel 2007 VBA Programmer's Reference](#) Createspace Independent Publishing Platform

This book will expand your ability to deliver meaningful, performant solutions to your organization. You'll learn how to use an analytical engine for decision making and business analytics. With the help of this practical guide, you'll also be able to work confidently with data and analytics.

**The Microsoft® Data Warehouse Toolkit** John Wiley & Sons More than 80 recipes for enriching your Business Intelligence solutions with high-performance MDX calculations and flexible MDX queries in this book and eBook.

*Hands-On SQL Server 2019 Analysis Services* Packt Pub Limited

NOTE: This title is also available as a free eBook on the Microsoft Download Center. It is offered for sale in print format as a convenience. Get a head start evaluating SQL Server 2014 - guided by two experts who have worked with the technology from the earliest beta. Based on Community Technology Preview 2 (CTP2) software, this guide introduces new features and capabilities, with practical insights on how SQL Server 2014 can meet the needs of your business. Get the early, high-level overview you need to begin preparing your deployment now. Coverage includes: SQL Server 2014 Editions and engine enhancements Mission-critical performance enhancements Hybrid cloud enhancements Self-service Business Intelligence enhancements in Microsoft Excel Enterprise information management enhancements Big Data solutions [Programming SQL Server 2005](#) Sams Publishing

An easy-to-follow guide full of hands on examples of real-world Analysis Services cube development tasks. Each topic is explained and placed in context, and for the more inquisitive reader, there also more in-depth details of the concepts used. If you are an Analysis Services cube designer wishing to learn more advanced topic and best practices for cube design, this book is for you. You are expected to have some prior experience with Analysis Services cube development.