# Delivering Business Intelligence With Microsoft Sql Server 2016 Fourth Edition

Distribute Actionable, Timely BI with Microsoft® SQL Server® 2016 and Power BI Drive better, faster, more informed decision making across your organization using the expert tips and best practices featured in this hands-on guide. Delivering Business Intelligence with Microsoft SQL Server 2016, Fourth Edition, shows, step-by-step, how to distribute high-performance, custom analytics to users enterprise-wide. Discover how to build BI Semantic Models, create data marts and OLAP cubes, write MDX and DAX scripts, and share insights using Microsoft client tools. The book includes coverage of self-service business intelligence with Power BI. - Understand the goals and components of successful BI - Build data marts, OLAP cubes, and Tabular models - Load and cleanse data with SQL Server Integration Services - Manipulate and analyze data using MDX and DAX scripts and queries - Work with SQL Server Analysis Services and the BI Semantic Model - Author interactive reports using SQL Server Data Tools - Create KPIs and digital dashboards - Implement time-based analytics - Embed data model content in custom applications using ADOMD.NET - Use Power BI to gather, model, and visualize data in a self-service environment.

Master the Next-Generation Business Intelligence Tools in SQL Server 2008 R2 Effectively convey meaningful business insights to users across your enterprise with help from this practical guide. Written by a team of business intelligence experts, Microsoft SQL Server 2008 R2 Analytics & Data Visualization shows how to achieve greater information absorption using the latest reporting tools. Learn how to build maps and gauges, integrate OLAP data, and develop dashboards. Security, performance tuning, and cloud computing techniques are also covered in this comprehensive resource. Design and deploy chart-based reports using SSRS 2008 R2 Display geo-spatial map data with location-based indicators Visually represent metrics and KPIs on graphs and gauges Distribute reports through SharePoint and PerformancePoint Create and publish web page parts, dashboards, and mash-ups Set up and manage cloud-based services using SQL Azure Incorporate data mining and forecasting features with Visio Integrate large amounts of data using PowerPoint for Excel Derive matrix, table, and chart data from OLAP cubes Doug Harts is a Services Executive at Microsoft currently helping U.S. Federal agencies implement Microsoft technology roadmaps. He is the author of Microsoft Office 2007 Business Intelligence, and maintains a BI community website at www.OfficeBIcentral.com. Jim Dugan is a Solutions Architect with the Microsoft Healthcare and Benefits team in Microsoft Federal. He previously served as Technical Director of Microsoft's Technology and Innovation Center in Reston, Virginia. Tricia Wilcox Almas is a Technical Architect for Business Intelligence Solutions for MicroLink, LLC, a Microsoft Gold Partner. She has been developing solutions and managing IT projects for more than 25 years. Implement a Robust BI Solution with Microsoft SQL Server 2012 Equip your organization for informed, timely decision making using the expert tips and best practices in this practical guide. Delivering Business Intelligence with Microsoft SQL Server 2012, Third Edition explains how to effectively develop, customize, and distribute meaningful information to users enterprise-wide. Learn how to build data marts and create BI Semantic Models, work with the MDX and DAX languages, and share insights using Microsoft client tools. Data mining and forecasting are also covered in this comprehensive resource. Understand the goals and components of successful BI Design, deploy, and manage data marts and OLAP cubes Load and cleanse data with SQL Server Integration Services Manipulate and analyze data using MDX and DAX scripts and queries Work with SQL Server Analysis Services and the BI Semantic Model Author interactive reports using SQL Server Data Tools Create KPIs and digital dashboards Use data mining to identify patterns, correlations, and clusters Implement time-based analytics

Embed BI reports in custom applications using ADOMD.NET

Deliver BI Solutions with Microsoft Office PerformancePoint Server 2007 Maximize the powerful BI tools available in PerformancePoint 2007 with help from this practical guide. You will learn how to collect and store data, monitor progress, analyze performance, distribute dynamic reports, and create maintainable projects and forecasts. Business Intelligence with Microsoft Office PerformancePoint Server 2007 provides full details on creating scorecards and dashboards, performing advanced analysis on data, and setting up business plans. You will also learn how to integrate PerformancePoint with ProClarity, Excel 2007, and SQL Server Reporting Services. Configure, deploy, and secure all the PerformancePoint components Create KPIs, scorecards, reports, and dashboards with the Dashboard Designer Create business models with the Planning Business Modeler and create budgets and forecasts with Excel 2007 Enable advanced data analysis with PerformancePoint Server and ProClarity tools Take advantage of the enhanced analytic capabilities of Excel 2007 Use SQL Server Reporting Services for analytics Align performance with organizational objectives

Maximize the Business Intelligence Tools in Microsoft SQL Server 2008 Manage, analyze, and distribute enterprise data with help from this expert resource. Delivering Business Intelligence with Microsoft SQL Server 2008 covers the entire BI lifecycle and explains how to build robust data integration, reporting, and analysis solutions. Real-world examples illustrate all of the powerful BI capabilities of SQL Server 2008. This is your one-stop guide for transforming disparate data into actionable insight for users throughout your organization. Understand the goals and benefits of business intelligence Design and create relational data marts and OLAP cubes Manage Analysis Services databases using BI Development Studio Cleanse data and populate data marts with SQL Server Integration Services Take advantage of the flexibility of the Unified Dimensional Model Manipulate and analyze data using MDX scripts and queries Use data mining to identify data patterns, correlations, and clustering Develop and distribute interactive reports with SQL Server 2008 Reporting Services Integrate business intelligence into enterprise applications using ADOMD.NET and the Report Viewer Control

This book constitutes the refereed proceedings of the First International Conference on Model and Data Engineering, MEDI 2011, held in Óbidos, Portugal, in September 2011. The 18 revised full papers presented together with 8 short papers and three keynotes were carefully reviewed and selected from 67 submissions. The papers are organized in topical sections on ontology engineering; Web services and security; advanced systems; knowledge management; model specification and verification; and models engineering.

Transform disparate enterprise data into actionable business intelligence Put timely, mission-critical information in the hands of employees across your organization using Microsoft SQL Server 2005 and the comprehensive information in this unique resource. Delivering Business Intelligence with Microsoft SQL Server 2005 shows you, step-by-step, how to author, customize, and distribute information that will give your company the competitive edge. It's all right here--from data mining, warehousing, and scripting techniques to MDX queries, KPI analysis, and the all-new Unified Dimensional Model. Real-world examples, start-to-finish exercises, and downloadable code throughout illustrate all of the integration, analysis, and reporting capabilities of SQL Server 2005.

Know the intricate workings of DAX and the mechanics that are necessary to solve advanced Power BI challenges. This book is all about DAX (Data Analysis Expressions), the formula language used in Power BI, Microsoft's leading self-service business Intelligence application, and covers other products such as PowerPivot and SQL Server Analysis Services Tabular. You will learn how to leverage the advanced applications of DAX to solve complex tasks. Often a task seems complex due to a lack of understanding, or a misunderstanding of core principles, and how certain

components interact with each other. The authors of this book use solutions and examples to teach you how to solve complex problems. They explain the intricate workings of important concepts such as Filter Context and Context Transition. Explanation is given to how, through combining building blocks of DAX (such as measures, table filtering, and data lineage), Power BI can yield impressive analytical power. Throughout Pro Dax with Power BI these building blocks are used to create and compose solutions for advanced DAX problems so you can independently build solutions to your own complex problems, and gain valuable insight from your data. What You'll Learn Understand the intricate workings of DAX to solve advanced problems Deconstruct problems into manageable parts in order to create your own recipes Apply predefined solutions for addressing problems, and link back step-by-step to the mechanics of DAX, to know the foundation of this powerful query language Get fully on board with DAX, a new and evolving language, by learning best practices Who This Book Is For Anyone who wants to use Power BI to build advanced and complex models. Some experience writing DAX is helpful, but not essential if you have experience with other data query languages such as MDX or SQL.

This book provides a general overview and original analysis of new developments and applications in several areas of Computational Intelligence and Information Systems. Computational Intelligence has become an important tool for engineers to develop and analyze novel techniques to solve problems in basic sciences such as physics, chemistry, biology, engineering, environment and social sciences. The material contained in this book addresses the foundations and applications of Artificial Intelligence and Decision Support Systems, Complex and Biological Inspired Systems, Simulation and Evolution of Real and Artificial Life Forms, Intelligent Models and Control Systems, Knowledge and Learning Technologies, Web Semantics and Ontologies, Intelligent Tutoring Systems, Intelligent Power Systems, Self-Organized and Distributed Systems, Intelligent Manufacturing Systems and Affective Computing. The contributions have all been written by international experts, who provide current views on the topics discussed and present recent, original insights from their own experience in these fields.

Looks at the business intelligence features of Microsoft SharePoint 2013, covering such topics as trusted data, Excel services, PowerPivot, Visio, PerformancePoint Services, and dashboards.

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Create and manage high-quality, highly-interactive dashboards and reports using Microsoft Power BI This hands-on guide shows, step by step, how to use the powerful features of Microsoft Power BI to gain meaningful business insights. Written by an expert in the field, the book teaches you how to build accurate data models and design, create, and manage visually-rich and robust data analyses and dashboards. The book includes details on R, Python, and Microsoft's proprietary analytics language DAX. Data Analysis with Microsoft Power BI begins by clearly explaining the dashboard interaction and analysis techniques utilized by business users and proceeds to detail the skills needed to author visualizations from pre-existing data models. From there, you will learn the more advanced skills required to create custom data models from transactional, line-of-business data. Publishing to the Power BI Service (PowerBI.com)

and Power BI Report Server are fully covered. •Contains practical exercises based on real-life business scenarios•Access online updates for key new features during the life of this edition•Written by a recognized BI expert and bestselling author

"This book presents cutting-edge knowledge on scientific approaches to the management of supply networks in a highly informed global environment with abundant dynamic and uncertain challenges"--Provided by publisher.

??????????Reporting Services??????,????????,?????????????,??????????????? Business intelligence (BI) software allows you to view different components of a business using a single visual platform, which makes comprehending mountains of data easier. BI is everywhere. Applications that include reports, analytics, statistics, and historical and predictive modeling are all examples of business intelligence. Currently, we are in the second generation of business intelligence software—called BI 2.0—which is focused on writing business intelligence software that is predictive, adaptive, simple, and interactive. As computers and software have evolved, more data can be presented to end users with increasingly visually rich techniques. Rich Internet application (RIA) technologies such as Microsoft Silverlight can be used to transform traditional user-interfaces filled with boring data into fully interactive analytical applications that quickly deliver insight from large data sets. Furthermore, RIAs now include 3D spatial-design capabilities that move beyond a simple list or grid and allow for interesting layouts of aggregated data. BI 2.0 implemented via an RIA technology can truly bring out the power of business intelligence and deliver it to an average user on the Web. Silverlight 4 Business Intelligence Software provides developers, designers, and architects with a solid foundation in business intelligence design and architecture concepts for Microsoft Silverlight. This book covers key business intelligence design concepts and how they can be applied without an existing BI infrastructure. Author Bart Czernicki provides you with examples of how to build small BI applications that are interactive, highly visual, statistical, predictive—and most importantly—intuitive to the end-user. Business intelligence isn't just for the executive branch of a Fortune 500 company—it is for the masses. Let Silverlight 4 Business Intelligence Software show you how to unlock the rich intelligence you already have.

This book addresses the web services arena with a specific agenda of providing information right from covering the fundamental aspects to its deployment and implementation issues. The content is introductory in nature, and covers not only the technology aspects, but also highlights the application scenarios across the industry. In order to illustrate the potential of web services, a case study exemplifying the Financial and Banking Services industry has been chosen for presentation the book.

Attention all SQL Pros, DAX is not just for writing Excel-based formulas! Get hands-on learning and expert advice on how to use the vast capabilities of the DAX language to solve common data modeling challenges. Beginning DAX with Power BI teaches key concepts such as mapping techniques from SQL to DAX, filtering, grouping, joining, pivoting, and using temporary tables, all aimed at the SQL professional. Join author Philip Seamark as he guides you on a journey through typical business data transformation scenarios and challenges, and teaches you, step-by-step, how to resolve challenges using DAX. Tips, tricks, and shortcuts are included and explained, along with examples of the SQL equivalent, in order to accelerate learning. Examples in the book range from beginner to advanced, with plenty of detailed explanation when walking through each scenario. What You'll Learn Turbocharge your Power BI model by adding advanced DAX programming techniques Know when to use calculated

measures versus calculated columns Generate new tables on the fly from existing data Optimize, monitor, and tune Power BI to improve performance of your models Discover new ideas, tricks, and time-saving techniques for better models Who This Book Is For Business intelligence developers, business analysts, or any SQL user who wants to use Power BI as a reporting tool. A solid understanding of SQL is recommended, as examples throughout the book include the DAX equivalents to SQL problem/solution scenarios. ?Excel+Power BI??????? ?1????1000???????????????? ???????????????????????????? ???????????????????????????? ????????????????????Power BI????????????????? ???????????????????????????????????????? ???Facebook??????OneDrive?Google???????????????? ? ???????????? ????????????????IT???…???????????????????????????????????????????????????? ? ?????????–???????????????? ?Excel+Power Query??????????? ???????????????????????????? ?????????????(null)???(error)??????? ??????????????????????? ??????????????????????? ??????????????????????? ???????????????????????? ??????????????????????????? ? ???????????–???????????????????????? ??????????????????????????? ??????????????????????????????????? ??????????????????????????? ????????????$ % ,?? ???????????????????????? ?????33??????????????????????? ???????????????????????????? ?????????????????????DAX??????????????????????? ??"???????"?"???????????" ???????????? ???Facebook???????????????????????? ?????OneDrive?Google??????????????????????? ??????????????????????Power BI????? ? ??????????????? ?????????????Power BI??????????????????? ???????????????????????????? ??????????????????????????????????????????? ?????? ???/???????????? ??????????????????????? ???????????????????????????? ????????????? ???/??????????? ???/????????????? #???? GOTOP

A quick book and eBook guide to installing, configuring, deploying, and administering Dynamics NAV with ease

Organizations are expected to spend $26 billion on business intelligence initiatives in 2008. Now that all the data is in relational databases, it's time to start getting value at the organizational level from that data. Microsoft has a host of tools to provide easy access to aggregated business data from multiple back ends and to display that data in comprehensive, easy-to-read graphics and reports, namely PerformancePoint Server. This book, written by a Microsoft-employed PerformancePoint expert, walks the reader through the entire product. Foundations of SQL Server 2008 R2 Business Intelligence introduces the entire exciting gamut of business intelligence tools included with SQL Server 2008. Microsoft has designed SQL Server 2008 to be more than just a database. It's a complete business intelligence (BI) platform. The database is at its core, and surrounding the core are tools for data mining, modeling, reporting, analyzing, charting, and integration with other enterprise-level software packages. SQL Server 2008 puts an incredible amount of BI functionality at your disposal. But how do you take advantage of it? That's what this book is all about. Authors Guy Fouché and Lynn Langit show how to implement end-to-end BI solutions using SQL Server Analysis Services (SSAS), SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), and other tools in the Microsoft business intelligence toolkit. You'll learn about all-features such as PowerPivot and Report Builder 3.0. Also provided are clear examples of predictive analysis made possible through powerful data mining features in SQL Server. If you're an analyst or developer working with SQL Server 2008 who is charged with delivering results that drive business success, you can't afford to be without this book; you can't afford to ignore the powerful business intelligence suite that Microsoft has placed at your disposal. Provides the "big picture" of Microsoft's BI tool suite Covers PowerPivot and other game-changing technologies introduced alongside SQL Server 2008 Release 2 Gives a practical analysis of features based on real-world practices

Although the advancement of educational technologies is often discussed in a teaching capacity, the administration aspect of this research area is often overlooked. Studying the impact technology has on education administration not only allows us to become familiar with the most current trends and techniques in this area, but also allows us to discover the best way forward in all aspects of education. The Handbook of Research on Technology-Centric Strategies for Higher Education Administration is a pivotal resource covering the latest scholarly information on the application of digital media among aspects of tertiary education administration such as policy, governance, marketing, leadership, and development. Featuring extensive coverage on a broad range of topics and perspectives including virtual training, blogging, and e-learning, this book is ideally designed for policy makers, researchers, and educators seeking current research on administrative-based technology applications within higher education.

Implement a Robust BI Solution with Microsoft SQL Server 2012 Equip your organization for informed, timely decision making using the expert tips and best practices in this practical guide. Delivering Business Intelligence with Microsoft SQL Server 2012, Third Edition explains how to effectively develop, customize, and distribute meaningful information to users enterprise-wide. Learn how to build data marts and create BI Semantic Models, work with the MDX and DAX languages, and share insights using Microsoft client tools. Data mining and forecasting are also covered in this comprehensive resource. Understand the goals and components of successful BI Design, deploy, and manage data marts and OLAP cubes Load and cleanse data with SQL Server Integration Services Manipulate and analyze data using MDX and DAX scripts and queries Work with SQL Server Analysis Services and the BI Semantic Model Author interactive reports using SQL Server Data Tools Create KPIs and digital dashboards Use data mining to identify patterns, correlations, and clusters Implement time-based analytics Embed BI reports in custom applications using ADOMD.NET.

Driven by such tools as big data, cognitive computing, new business models, and the internet of things, the overall demand for innovation is becoming more critical for competitiveness and emerging technologies. These technologies have become real alternatives for the market and offer new perspectives for modern project management applications. The Handbook of Research on Emerging Technologies for Effective Project Management is an essential research publication that proposes innovations for firms and markets through the exploration of project management principles and methods and the effective integration of knowledge and innovation. It encompasses academic and scientific propositions, reviews for conceptual bases, applications of theories in new market solutions, and cases of successful insertion of disruptive technologies and business models in new competitive market offers. Featuring a range of topics such as innovation management, business administration, and marketing, this book is ideal for project managers, IT specialists, software developers, executives, practitioners, managers, marketers, researchers, and industry professionals.

This collection of contributed chapters demonstrates a wide range of applications within two overlapping research domains: social media analysis and social network analysis. Various methodologies were utilized in the twelve individual chapters including static, dynamic and real-time approaches to graph, textual and multimedia data analysis. The topics apply to reputation computation, emotion detection, topic evolution, rumor propagation, evaluation of textual opinions, friend ranking, analysis of public

transportation networks, diffusion in dynamic networks, analysis of contributors to communities of open source software developers, biometric template generation as well as analysis of user behavior within heterogeneous environments of cultural educational centers. Addressing these challenging applications is what makes this edited volume of interest to researchers and students focused on social media and social network analysis.

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.

????????:????:?????????;SELECT??:??????????;??????:???????;?????????:??????. Learn to get the most out of your business data to optimize your business About This Book This book will enable and empower you to break free of the shackles of spreadsheets Learn to make informed decisions using the data at hand with this highly practical, comprehensive guide This book includes real-world use cases that teach you how analytics can be put to work to optimize your business Using a fictional transactional dataset in raw form, you'll work your way up to ultimately creating a fully-functional warehouse and a fleshed-out BI platform Who This Book Is For This book is for anyone who has wrangled with data to try to perform automated data analysis through visualizations for themselves or their customers. This highly-customized guide is for developers who know a bit about analytics but don't know how to make use of it in the field of business intelligence. What You Will Learn Create a BI environment that enables self-service reporting Understand SQL and the aggregation of data Develop a data model suitable for analytical reporting Connect a data warehouse to the analytic reporting tools Understand the specific benefits behind visualizations with D3.js, R, Tableau, QlikView, and Python Get to know the best practices to develop various reports and applications when using BI tools Explore the field of data analysis with all the data we will use for reporting In Detail Business Intelligence (BI) is at the crux of revolutionizing enterprise. Everyone wants to minimize losses and maximize profits. Thanks to Big Data and improved methodologies to analyze data, Data Analysts and

Data Scientists are increasingly using data to make informed decisions. Just knowing how to analyze data is not enough, you need to start thinking how to use data as a business asset and then perform the right analysis to build an insightful BI solution. Efficient BI strives to achieve the automation of data for ease of reporting and analysis. Through this book, you will develop the ability to think along the right lines and use more than one tool to perform analysis depending on the needs of your business. We start off by preparing you for data analytics. We then move on to teach you a range of techniques to fetch important information from various databases, which can be used to optimize your business. The book aims to provide a full end-to-end solution for an environment setup that can help you make informed business decisions and deliver efficient and automated BI solutions to any company. It is a complete guide for implementing Business intelligence with the help of the most powerful tools like D3.js, R, Tableau, Qlikview and Python that are available on the market. Style and approach Packed with real-world examples, this pragmatic guide helps you polish your data and make informed decisions for your business. We cover both business and data analysis perspectives, blending theory and practical hands-on work so that you perceive data as a business asset.

This three-volume-set (CCIS 219, CCIS 220, and CCIS 221) constitutes the refereed proceedings of the International Conference on ENTERprise Information Systems, CENTERIS 2011, held in Vilamoura, Portugal, in September 2011. The approx. 120 revised full papers presented in the three volumes were carefully reviewed and selected from 180 submissions. The papers are organized in topical sections on knowledge society, EIS adoption and design, EIS implementation and impact, EIS applications, social aspects and IS in education, IT/IS management, telemedicine and imaging technologies, healthcare information management, medical records and business processes, decision support systems and business intelligence in health and social care contexts, architectures and emerging technologies in healthcare organizations, as well as m-health.

SharePoint 2010 is today's leading presentation and deployment system for Business Intelligence (BI) solutions based on Microsoft technologies. This book brings together all the information you need to successfully implement and use SharePoint 2010's powerful BI capabilities. It reflects the unsurpassed real-world experience of five expert consultants at RDA, a Microsoft Gold Partner specializing in delivering advanced BI solutions with SharePoint. You'll first learn how to prepare SharePoint 2010 for the deployment of BI solutions. Next, the authors walk through integrating, configuring, and using Reporting Services, PerformancePoint Services, PowerPivot, Visio Services, and other key related technologies. Building on what you've learned, you'll walk step-by-step through constructing and integrating two end-to-end BI solutions. Finally, in a comprehensive troubleshooting section, the authors present today's most common SharePoint BI issues, identify proven solutions, and teach effective problem-solving techniques. Get started fast, by using the Business Intelligence Center's prebuilt site collection and template Build integrated, end-to-end SharePoint BI solutions Present business data to the enterprise through Excel Services Install, configure, and integrate Reporting Services and the Reporting

Services Add-In for SharePoint Define document library content types and manage reports Use Report Viewer Web Parts to render reports on SharePoint web pages Build enterprise dashboards with PerformancePoint Services Secure dashboards via data source delegation, SharePoint permissions, and groups Analyze enormous datasets with PowerPivot for Excel and SharePoint Publish Visio 2010 data-driven web diagrams that integrate multiple data sources Utilize the fine-grained security available through Visio Graphics Service Troubleshoot problems with Reporting Services, PerformancePoint Services, PowerPivot, and Visio Services

Attention all SQL Pros, DAX is not just for writing Excel-based formulas! Get hands-on learning and expert advice on how to use the vast capabilities of the DAX language to solve common data modeling challenges. Beginning DAX with Power BI teaches key concepts such as mapping techniques from SQL to DAX, filtering, grouping, joining, pivoting, and using temporary tables, all aimed at the SQL professional. Join author Philip Seamark as he guides you on a journey through typical business data transformation scenarios and challenges, and teaches you, step-by-step, how to resolve challenges using DAX. Tips, tricks, and shortcuts are included and explained, along with examples of the SQL equivalent, in order to accelerate learning. Examples in the book range from beginner to advanced, with plenty of detailed explanation when walking through each scenario. What You'll Learn: Turbocharge your Power BI model by adding advanced DAX programming techniques Know when to use calculated measures versus calculated columns Generate new tables on the fly from existing data Optimize, monitor, and tune Power BI to improve performance of your models Discover new ideas, tricks, and time-saving techniques for better models This book is for business intelligence developers, business analysts, or any SQL user who wants to use Power BI as a reporting tool. A solid understanding of SQL is recommended, as examples throughout the book include the DAX equivalents to SQL problem/solution scenarios. Philip Seamark, a Senior BI architect with Trade Me and a Microsoft Data Platform MVP with more than 25 years of commercial experience delivering business applications across multiple technologies. He is an experienced database and BI professional with a deep understanding of the Microsoft stack and extensive knowledge of data warehouse (DW) methodologies and enterprise data modeling. Philip writes for the Power BI community site, and is a speaker at many industry events, Microsoft Ignite, Data Insights, Power BI User Groups, SQL Saturdays, and more.

Innovations and Advances in Computing, Informatics, Systems Sciences, Networking and Engineering This book includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Informatics, and Systems Sciences, and Engineering. It includes selected papers from the conference proceedings of the Eighth and some selected papers of the Ninth International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE 2012

& CISSE 2013). Coverage includes topics in: Industrial Electronics, Technology & Automation, Telecommunications and Networking, Systems, Computing Sciences and Software Engineering, Engineering Education, Instructional Technology, Assessment, and E-learning. · Provides the latest in a series of books growing out of the International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering; · Includes chapters in the most advanced areas of Computing, Informatics, Systems Sciences, and Engineering; · Accessible to a wide range of readership, including professors, researchers, practitioners and students.

Distribute Actionable, Timely BI with Microsoft® SQL Server® 2016 and Power BI Drive better, faster, more informed decision making across your organization using the expert tips and best practices featured in this hands-on guide. Delivering Business Intelligence with Microsoft SQL Server 2016, Fourth Edition, shows, step-by-step, how to distribute high-performance, custom analytics to users enterprise-wide. Discover how to build BI Semantic Models, create data marts and OLAP cubes, write MDX and DAX scripts, and share insights using Microsoft client tools. The book includes coverage of self-service business intelligence with Power BI. • Understand the goals and components of successful BI • Build data marts, OLAP cubes, and Tabular models • Load and cleanse data with SQL Server Integration Services • Manipulate and analyze data using MDX and DAX scripts and queries • Work with SQL Server Analysis Services and the BI Semantic Model • Author interactive reports using SQL Server Data Tools • Create KPIs and digital dashboards • Implement time-based analytics • Embed data model content in custom applications using ADOMD.NET • Use Power BI to gather, model, and visualize data in a self-service environment

Explaining how to effectively develop; customize; and distribute meaningful information to users enterprise-wide; this comprehensive resource presents expert tips and best practices to help you equip your organization for informed; timely decision making. --

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