

Analyzing Data with Microsoft Power BI and Power Pivot for Excel

Alberto Ferrari and Marco Russo



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Analyzing Data With Power Bi And Power Pivot For Excel

Benjamin Benji



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Analyzing Data with Power BI and Power Pivot for Excel Alberto Ferrari, Marco Russo, 2017-04-28 Renowned DAX experts Alberto Ferrari and Marco Russo teach you how to design data models for maximum efficiency and effectiveness How can you use Excel and Power BI to gain real insights into your information As you examine your data how do you write a formula that provides the numbers you need The answers to both of these questions lie with the data model This book introduces the basic techniques for shaping data models in Excel and Power BI It s meant for readers who are new to data modeling as well as for experienced data modelers looking for tips from the experts If you want to use Power BI or Excel to analyze data the many real world examples in this book will help you look at your reports in a different way like experienced data modelers do As you ll soon see with the right data model the correct answer is always a simple one By reading this book you will Gain an understanding of the basics of data modeling including tables relationships and keys Familiarize yourself with star schemas snowflakes and common modeling techniques Learn the importance of granularity Discover how to use multiple fact tables like sales and purchases in a complex data model Manage calendar related calculations by using date tables Track historical attributes like previous addresses of customers or manager assignments Use snapshots to compute quantity on hand Work with multiple currencies in the most efficient way Analyze events that have durations including overlapping durations Learn what data model you need to answer your specific business questions About This Book For Excel and Power BI users who want to exploit the full power of their favorite tools For BI professionals seeking new ideas for modeling data

Analyzing Data with Power BI and Power Pivot for Excel, First Edition Alberto Ferrari. Marco Russo, 2017

High Impact Data Visualization with Power View, Power Map, and Power BI Adam Aspin, 2014-06-24 High Impact Data Visualization with Power View Power Map and Power BI helps you take business intelligence delivery to a new level that is interactive engaging even fun all while driving commercial success through sound decision making Learn to harness the power of Microsoft s flagship self service business intelligence suite to deliver compelling and interactive insight with remarkable ease Learn the essential techniques needed to enhance the look and feel of reports and dashboards so that you can seize your audience s attention and provide them with clear and accurate information Also learn to integrate data from a variety of sources and create coherent data models displaying clear metrics and attributes Power View is Microsoft s ground breaking tool for ad hoc data visualization and analysis It s designed to produce elegant and visually arresting output It s also built to enhance user experience through polished interactivity Power Map is a similarly powerful mechanism for analyzing data across geographic and political units Power Query lets you load shape and streamline data from multiple sources PowerPivot can extend and develop data into a dynamic model Power BI allows you to share your findings with colleagues and present your insights to clients High Impact Data Visualization with Power View Power Map and Power BI helps you master this suite of powerful tools from Microsoft You ll learn to identify data sources and to save time by preparing your underlying data

correctly You'll also learn to deliver your powerful visualizations and analyses through the cloud to PCs, tablets, and smartphones. Simple techniques take raw data and convert it into information. Slicing and dicing metrics delivers interactive insight. Visually arresting output grabs and focuses attention on key indicators.

Excel Power Pivot & Power Query For Dummies Michael Alexander, 2016-03-18 A guide to PowerPivot and Power Query no data cruncher should be without. Want to familiarize yourself with the rich set of Microsoft Excel tools and reporting capabilities available from PowerPivot and Power Query. Look no further. *Excel PowerPivot Power Query For Dummies* shows you how this powerful new set of tools can be leveraged to more effectively source and incorporate big data Business Intelligence and Dashboard reports. You'll discover how PowerPivot and Power Query not only allow you to save time and simplify your processes but also enable you to substantially enhance your data analysis and reporting capabilities. Gone are the days of relatively small amounts of data. Today's data environment demands more from business analysts than ever before. Now with the help of this friendly hands-on guide you'll learn to use PowerPivot and Power Query to expand your skill set from the one-dimensional spreadsheet to new territories like relational databases, data integration, and multi-dimensional reporting. Demonstrates how Power Query is used to discover, connect to, and import your data. Shows you how to use PowerPivot to model data once it's been imported. Offers guidance on using these tools to make analyzing data easier. Written by a Microsoft MVP in the lighthearted fun style you've come to expect from the For Dummies brand. If you spend your days analyzing data, *Excel PowerPivot Power Query For Dummies* will get you up and running with the rich set of Excel tools and reporting capabilities that will make your life and work easier.

Data Analytics & Visualization All-in-One For Dummies Jack A. Hyman, Luca Massaron, Paul McFedries, John Paul Mueller, Jonathan Reichental, Joseph Schmuller, Alan R. Simon, Allen G. Taylor, 2024-03-05 Install data analytics into your brain with this comprehensive introduction. *Data Analytics Visualization All in One For Dummies* collects the essential information on mining, organizing, and communicating data all in one place. Clocking in at around 850 pages, this tome of a reference delivers eight books in one so you can build a solid foundation of knowledge in data wrangling. Data analytics professionals are highly sought after these days, and this book will put you on the path to becoming one. You'll learn all about sources of data like data lakes, and you'll discover how to extract data using tools like Microsoft Power BI, organize the data in Microsoft Excel, and visually present the data in a way that makes sense using a Tableau. You'll even get an intro to the Python, R, and SQL coding needed to take your data skills to a new level. With this Dummies guide, you'll be well on your way to becoming a priceless data jockey. Mine data from data sources. Organize and analyze data. Use data to tell a story with Tableau. Expand your know-how with Python and R. New and novice data analysts will love this All-in-One reference on how to make sense of data. Get ready to watch as your career in data takes off.

Professional Microsoft PowerPivot for Excel and SharePoint Sivakumar Harinath, Ron Pihlgren, Denny Guang-Yeu Lee, 2010-05-25 The next wave of business intelligence. Self-Service BI seeks to meet the demands of powerful hardware and shorter decision time frames. This book introduces

PowerPivot for Excel and SharePoint showing you how to use this innovative software for self service analytics and reporting Authored by key members of the Microsoft team that built the product this book will guide you through the use of in memory BI server technology data analytics eXpressions and report gallery The book also discusses how to deploy and manage sandbox servers and a companion website provides sample reports and applications **Power Pivot and Power BI**

MrExcel's Holy Macro! Books, Rob Collie, Avichal Singh, 2024-09-26 Unlock the power of data analysis with Power Pivot and Power BI Master the techniques and tools to transform your data into insightful reports dashboards and models Key Features Step by step guide to mastering Power Pivot and Power BI Practical examples and real world applications Foundational to advanced techniques for effective data analysis Book Description Master Power Pivot and Power BI with this comprehensive guide designed to elevate your data analysis and business intelligence skills Starting with the essentials of Power Pivot you ll learn how to load and transform data create calculated columns and apply foundational DAX functions As you advance the book dives into more complex topics like working with multiple tables understanding relationships and mastering advanced DAX functions such as CALCULATE and FILTER You ll also explore the powerful capabilities of Power BI Desktop and learn how to turn your data into compelling visualizations that drive impactful business decisions With a focus on practical application the guide includes real world examples and exercises to reinforce each concept By the end of this guide you ll have the skills to build sophisticated data models optimize performance and create dynamic reports and dashboards that effectively communicate insights This guide is perfect for professionals aiming to harness the full power of Excel and Power BI in their data driven decision making processes What you will learn Understand the Power Pivot and Power BI ecosystem Load and prepare data effectively Build and manage calculated columns Master DAX measures and functions Optimize data model performance Leverage Power BI Desktop and advanced features Who this book is for Ideal for data professionals Excel users and business analysts this book assumes a basic understanding of Excel but no prior knowledge of Power Pivot or Power BI It is suitable for anyone looking to enhance their data analysis and reporting skills using these tools *Microsoft 365 Excel: The Only App That Matters* Mike ExcelisFun Girvin, 2021-04-01 This is a book about Microsoft 365 Excel or Excel 365 No other version in history has as much power as many features or more possibilities than does Excel 365 With a new formula calculations engine and many new built in functions creating formula solutions and business models in Excel 365 is dramatically easier than at any time in the history of spreadsheets In addition with the new data tools like Power Query Power Pivot and Power BI performing data analysis to make data driven decisions can be easily done on data with different structures with different sources and on small and big data alike With this exciting new Excel 365 version we will learn three types for formulas Worksheet M Code and DAX and we will learn three types of Reporting Dashboarding tools Standard PivotTables Data Model PivotTables and Power BI Visualizations This means that the New Excel 365 is the only app that matters in our age of analytics and data driven decisions Who is this book class for Everyone The book starts at the beginning

and moves you to an advanced level by telling a logical story about how to use Excel to solve calculation based problems and answer crucial questions

Data Analysis with Microsoft Power BI Brian Larson,2020-01-03 Explore create and manage highly interactive data visualizations using Microsoft Power BI Extract meaningful business insights from your disparate enterprise data using the detailed information contained in this practical guide Written by a recognized BI expert and bestselling author Data Analysis with Microsoft Power BI teaches you the skills you need to interact with author and maintain robust visualizations and custom data models Hands on exercises based on real life business scenarios clearly demonstrate each technique Publishing your results to the Power BI Service PowerBI com and Power BI Report Server are also fully covered Inside you will discover how to Understand Business Intelligence and self service analytics Explore the tools and features of Microsoft Power BI Create and format effective data visualizations Incorporate advanced interactivity and custom graphics Build and populate accurate data models Transform data using the Power BI Query Editor Work with measures calculated columns and tabular models Write powerful DAX language scripts Share content on the PowerBI Service PowerBI com Store your visualizations on the Power BI Report Server

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Introducing Microsoft Power BI Alberto Ferrari,Marco Russo,2016-07-07 This is the eBook of the printed book and may not include any media website access codes or print supplements that may come packaged with the bound book Introducing Microsoft Power BI enables you to evaluate when and how to use Power BI Get inspired to improve business processes in your company by leveraging the available analytical and collaborative features of this environment Be sure to watch for the publication of Alberto Ferrari and Marco Russo s upcoming retail book Analyzing

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Pivot you will create robust scalable data models which will serve as the foundation of your data analysis Once you have mastered creating suitable data models you will use them to build compelling interactive visualizations in Power View It is often necessary to combine data from disparate sources into a data model Power Query allows you to easily discover combine and refine data from a variety of sources so you can make accurate judgments with all the available information Geographical awareness is another common requirement of data analysis Using Power Maps you will create captivating visualizations that map your data in space and time Beginning Power BI with Excel 2013 is your practical guide to getting maximum insight from your data and presenting it with impact

Advanced Analytics with Power BI and Excel: Learn powerful visualization and data analysis techniques using Microsoft BI tools along with Python and R Dejan Sarka, Jernej Rihar, Klemen Vončina, 2023-10-13 Empowering You to Master Business Intelligence and Solve Real world Analytical problems Key Features Fulfill your business analytics objectives through comprehensive theory and hands on real world examples Dive into the world of advanced Business Intelligence using data science with Power BI Acquire in demand skills that align with the current job market and enhance your career prospects Book Description In today's analytics landscape proficiency in Excel and Power BI is practically a prerequisite for a successful career This book provides a concise yet comprehensive exploration of these foundational elements of modern Business Intelligence BI Comprising ten chapters this book covers the entire development journey of a Power BI analytical solution spanning from data modeling and preparation to report creation publication and dashboard and app deployment It offers insights into security measures and performance optimization ensuring a well rounded understanding of the BI ecosystem Furthermore it delves into advanced topics such as leveraging data science algorithms within reports offering readers an extensive learning experience The book takes a holistic approach to these technologies offering a contrast to the narrow perspectives often adopted by contemporary BI professionals who rely solely on a single tool or language The book allows data enrichment through calculations that can be achieved using various languages including SQL queries at the source Power Query Formula Language M Python R and DAX What you will learn Learn the art of crafting comprehensive reports and analyses using Excel and Power BI Discover efficient methods for sharing your insights and reports with your team or clients Gain the skills to maintain and update your analytical solutions effectively Understand the significance of extracting valuable information from data in today's business landscape Address the increasing demand for skilled analysts filling a critical gap in the industry Who is this book for This book caters to aspiring Business Intelligence developers analysts seeking to enhance their skills and beginners looking to efficiently use tools like Excel It also appeals to data enthusiasts and serves as a practical resource for students and educators in data related fields Table of Contents 1 Introducing the Theoretical Background for Democratizing Analytics 2 Acquiring and transforming data from multiple sources 3 Power Query Transformations and Formula Language M Overview 4 Building a simple analytical solution with Power Pivot in Excel 5 Enhancing the model and business analysis with DAX 6 Creating

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Visualizing Data with Microsoft Power View (ENHANCED EBOOK) Brian Larson, Mark Davis, Dan English, Paul Purington, 2012-08-22 The only official guide to Tableau 8 the award winning BI software In this book Certified Tableau trainer and bestselling BI author George Peck teaches you how to build meaningful data visualizations and dashboards using Tableau 8 Complete with training videos Tableau 8 The Official Guide provides comprehensive coverage of the latest version of Tableau the BI software designed for faster data analysis and better business dashboards Electronic content features original Camtasia videos that bring all examples to life Shows how to build dashboards and analytics in minutes and hours not days and weeks Enables informed business decision making based on real data discovery

Power Pivot, Power Query, and Power BI Guide Benjamin Benji, 2026-02-06 Tired of drowning in messy Excel files endless manual cleanups VLOOKUP nightmares and reports that crash when data hits 100 000 rows Frustrated that your analyses never feel professional or shareable You re not alone most professionals waste hours every week on repetitive tasks that could be automated forever Introducing Power Pivot Power Query and Power BI Guide Learning Advanced Data Analysis and Visualization Techniques the hands on blueprint that transforms you from Excel user to Power BI rockstar This book by Benjamin Benji teaches you to master Power Pivot Power Query and Power BI with real world steps that handle millions of rows instantly You ll gain powerful repeatable skills Master Power Query to clean combine and transform any data source automatically Build robust data models with Power Pivot relationships and lightning fast DAX calculations Create stunning interactive dashboards using Power BI visuals that impress executives Apply advanced data analysis and visualization techniques for forecasting what if scenarios and KPI tracking Go from beginner to advanced in Power Pivot Power Query and Power BI with step by step projects you can finish in hours Stop struggling Start delivering insights that drive decisions Power Pivot Power Query and Power BI Guide Learning Advanced Data Analysis and Visualization Techniques is your complete path to modern analytics Grab your copy now and build your first automated dashboard today Buy now

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Analyzing Data With Power Bi And Power Pivot For Excel Introduction

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