

Microsoft Excel 2013

Building Data Models with PowerPivot

Alberto Ferrari and Marco Russo



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Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills

Leo Taehyung Lee



Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills:

Microsoft Excel 2013 Building Data Models with PowerPivot Alberto Ferrari, Marco Russo, 2013-03-15 Your guide to quickly turn data into results Transform your skills data and business and create your own BI solutions using software you already know and love Microsoft Excel Two business intelligence BI experts take you inside PowerPivot functionality for Excel 2013 with a focus on real world scenarios problem solving and data modeling You ll learn how to quickly turn mass quantities of data into meaningful information and on the job results no programming required Understand the differences between PowerPivot for Self Service BI and SQL Server Analysis Services for Corporate BI Extend your existing data analysis skills to create your own BI solutions Quickly manipulate large data sets often in millions of rows Perform simple to sophisticated calculations and what if analysis Create complex reporting systems with data modeling and Data Analysis Expressions Share your results effortlessly across your organization using Microsoft SharePoint Authors note on using Microsoft Excel 2016 This book s content was written against Excel 2013 but it is useful and valid for users of Excel 2016 too Excel 2016 introduces several new DAX functions and an improved editor for DAX without changing any existing behavior In other words all of the concepts and examples explained in this book continue to work with Excel 2016 [Microsoft Business Intelligence Tools for Excel Analysts](#) Michael Alexander, Jared Decker, Bernard Wehbe, 2014-05-05 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 **Business Intelligence in Microsoft SharePoint 2013** Norm Warren, Mariano Neto, Stacia Misner, Ivan Sanders, Scott A. Helmers, 2013-05-15 Dive into the business intelligence features in SharePoint 2013 and use the right combination of tools to deliver compelling solutions Take control of business intelligence BI with the tools offered by

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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 Data Analysis and Business Modeling with Excel 2013 David Rojas, 2015-10-27 Manage analyze and visualize data with Microsoft Excel 2013 to transform raw data into ready to use information About This Book Create formulas to help you analyze and explain findings Develop interactive spreadsheets that will impress your audience and give them the ability to slice and dice data A step by step guide to learn various ways to model data for businesses with the help of Excel 2013 Who This Book Is For If you want to start using Excel 2013 for data analysis and business modeling and enhance your skills in the data analysis life cycle then this book is for you whether you re new to Excel or experienced What You Will Learn Discover what Excel formulas are all about and how to use them in your spreadsheet development Identify bad data and learn cleaning strategies Create interactive spreadsheets that engage and appeal to your audience Leverage Excel s powerful built in tools to get the median maximum and minimum values of your data Build impressive tables and combine datasets using Excel s built in functionality Learn the powerful scripting language VBA allowing you to implement your own custom solutions with ease In Detail Excel 2013 is one of the easiest to use data analysis tools you will ever come across Its simplicity and powerful features has made it the go to tool for all your data needs Complex operations with Excel such as creating charts and graphs visualization and analyzing data make it a great tool for managers data scientists financial data analysts and those who work closely with data Learning data analysis and will help you bring your data skills to the next level This book starts by walking you through creating your own data and bringing data into Excel from various sources You ll learn the basics of SQL syntax and how to connect it to a

Microsoft SQL Server Database using Excel's data connection tools You will discover how to spot bad data and strategies to clean that data to make it useful to you Next you'll learn to create custom columns identify key metrics and make decisions based on business rules You'll create macros using VBA and use Excel 2013's shiny new macros Finally at the end of the book you'll be provided with useful shortcuts and tips enabling you to do efficient data analysis and business modeling with Excel 2013 Style and approach This is a step by step guide to performing data analysis and business modelling with Excel 2013 complete with examples and tips *Excel 2013 Pivot Table Data Crunching* Bill Jelen, Michael Alexander, 2013-01-07

CRUNCH ANY DATA FROM ANY SOURCE QUICKLY AND EASILY WITH EXCEL 2013 PIVOT TABLES Use Excel 2013 pivot tables and pivot charts to produce powerful dynamic reports in minutes instead of hours understand exactly what's going on in your business take control and stay in control Even if you've never created a pivot table before this book will help you leverage all their amazing flexibility and analytical power In just the first seven chapters you learn how to generate complex pivot reports complete with drill down capabilities and accompanying charts Then you go even further discovering how to build a comprehensive dynamic pivot table reporting system for any business task or function Learning advanced pivot table and pivot chart techniques for Excel 2013 or the newest Office 365 has never been easier You'll find simple step by step instructions real world case studies even complete easy recipes for solving your most common business analysis problems Create customize and change your pivot tables and pivot charts Transform gigantic data sets into crystal clear summary reports Summarize and analyze data even faster with new Excel 2013 recommended pivot tables Instantly highlight your most and least profitable customers products or regions Quickly filter pivot tables using slicers Use dynamic dashboards using Power View to see exactly where your business stands right now Revamp analyses on the fly by simply dragging and dropping fields Build dynamic self service reporting systems your entire team can use Use PowerPivot or the Data Model to create pivot tables from multiple data sources and worksheets Work with and analyze OLAP data and much more About MrExcel Library Every book in the MrExcel Library pinpoints a specific set of crucial Excel tasks and presents focused skills and examples for performing them rapidly and effectively Selected by Bill Jelen Microsoft Excel MVP and mastermind behind the leading Excel solutions website MrExcel.com these books will Dramatically increase your productivity saving you 50 hours a year or more Present proven creative strategies for solving real world problems Show you how to get great results no matter how much data you have Help you avoid critical mistakes that even experienced users make **CATEGORY** Spreadsheets **COVERS** Microsoft Office Excel 2013 **Data Modeling with Microsoft Excel** Bernard Obeng Boateng, 2023-11-30 Save time analyzing volumes of data using a structured method to extract model and create insights from your data Key Features Acquire expertise in using Excel's Data Model and Power Pivot to connect and analyze multiple sources of data Create key performance indicators for decision making using DAX and Cube functions Apply your knowledge of Data Model to build an interactive dashboard that delivers key insights to your users Purchase of the print or Kindle book includes a free PDF eBook

Book Description Microsoft Excel's BI solutions have evolved offering users more flexibility and control over analyzing data directly in Excel. Features like PivotTables, Data Model, Power Query, and Power Pivot empower Excel users to efficiently get, transform, model, aggregate, and visualize data. Data Modeling with Microsoft Excel offers a practical way to demystify the use and application of these tools using real-world examples and simple illustrations. This book will introduce you to the world of data modeling in Excel as well as definitions and best practices in data structuring for both normalized and denormalized data. The next set of chapters will take you through the useful features of Data Model and Power Pivot, helping you get to grips with the types of schemas (snowflake and star) and create relationships within multiple tables. You'll also understand how to create powerful and flexible measures using DAX and Cube functions. By the end of this book, you'll be able to apply the acquired knowledge in real-world scenarios and build an interactive dashboard that will help you make important decisions. What you will learn: Implement the concept of data modeling within and beyond Excel. Get, transform, model, aggregate, and visualize data with Power Query. Understand best practices for data structuring in MS Excel. Build powerful measures using DAX from the Data Model. Generate flexible calculations using Cube functions. Design engaging dashboards for your users. Who this book is for: This book is for Excel users looking for hands-on and effective methods to manage and analyze large volumes of data within Microsoft Excel using Power Pivot. Whether you're new or already familiar with Excel's data analytics tools, this book will give you further insights on how you can apply Power Pivot, Data Model, DAX measures, and Cube functions to save time on routine data management tasks. An understanding of Excel's features like tables, PivotTable, and some basic aggregating functions will be helpful but not necessary to make the most of this book. [Microsoft Excel 365 Data Analysis Masterclass](#) Liam P. Swift, Unlock the Power of Your Data. Become an Excel 365 Analysis Master. Are you ready to transform your Excel skills and become a data analysis powerhouse? In Microsoft Excel 365 Data Analysis Masterclass: A Practical Guide to Power Query, Power Pivot, DAX, and Data Visualization, expert P. Swift provides a comprehensive hands-on approach that will take you from Excel novice to advanced data analysis pro. This isn't just another dry textbook; it's your practical guide to mastering the core tools and techniques that will help you make sense of your data and drive real results. From Basic to Advanced: Your Journey to Excel Mastery. Have you been struggling with basic Excel functionality? Do you often find that you are just skimming the surface? With Excel 365 Data Analysis Masterclass, you'll start with the essentials, quickly moving from basic spreadsheet functions to complex data manipulation techniques. You'll learn all of the core concepts so you can be comfortable using both basic and advanced techniques, no matter your prior experience. This book is equally suitable for those that have Microsoft Excel Data Analysis for Beginners as well as for Excel for Data Professionals, making it a perfect guide for anyone at any level. Harness the Power of Excel 365's Most Powerful Tools. This book will teach you all the tools that you need to be a proficient Excel user. You will learn all of the must-know areas of Microsoft Excel Data Analysis, including all areas of Excel 365 Data Analysis. No matter what your data analysis needs are, this book will have you covered. Power Query

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spreadsheets and start unlocking the true potential of your data Liam P Swift's Microsoft Excel 365 Data Analysis Masterclass is your proven path to Excel mastery Don't wait any longer Click the Buy Now button and start transforming your data analysis skills today *Learn Excel 2016 Expert Skills with the Smart Method* Mike Smart,2016-03-04 This book is very very different to any other computer book you have ever read The Smart Method provides an entirely new and better way to learn Excel You'll immediately appreciate the value and relevance of each skill as it is taught Both IT professionals and absolute beginners will love this book because it avoids needless technical jargon and concisely explains everything you need in a simple and no nonsense way Amongst other things you'll learn how to Use Excel 2016's new 3D maps feature to create interactive video tours Use Excel 2016's new Get Transform tool to clean and combine data Perform What If analysis to model and compare business scenarios Use advanced functions to solve real world business problems Create intuitive user interfaces using form controls and recorded macros Master dynamic tables and structured table references Use Excel 2016's new Append and Merge queries to de normalize data Master Excel's data modeling features to define table relationships Completely understand Excel's ability to create OLAP cubes Use OLAP pivot tables and 3D Maps to present OLAP cube data Use OLAP features to gain total control over PivotTable formatting Break the million row limit with Excel's 2016's new Big Data features

Beginning Big Data with Power BI and Excel 2013 Neil Dunlop,2015 In Beginning Big Data with Power BI and Excel 2013 you will learn to solve business problems by tapping the power of Microsoft's Excel and Power BI to import data from NoSQL and SQL databases and other sources create relational data models and analyze business problems through sophisticated dashboards and data driven maps While Beginning Big Data with Power BI and Excel 2013 covers prominent tools such as Hadoop and the NoSQL databases it recognizes that most small and medium sized businesses don't have the Big Data processing needs of a Netflix Target or Facebook Instead it shows how to import data and use the self service analytics available in Excel with Power BI As you'll see through the book's numerous case examples these tools which you already know how to use can perform many of the same functions as the higher end Apache tools many people believe are required to carry out in Big Data projects Through instruction insight advice and case studies Beginning Big Data with Power BI and Excel 2013 will show you how to Import and mash up data from web pages SQL and NoSQL databases the Azure Marketplace and other sources Tap into the analytical power of PivotTables and PivotCharts and develop relational data models to track trends and make predictions based on a wide range of data Understand basic statistics and use Excel with PowerBI to do sophisticated statistical analysis including identifying trends and correlations Use SQL within Excel to do sophisticated queries across multiple tables including NoSQL databases Create complex formulas to solve real world business problems using Data Analysis Expressions DAX

Using Excel for Business Analysis Danielle Stein Fairhurst,2015-05-18 This is a guide to building financial models for business proposals to evaluate opportunities or to craft financial reports It covers the principles and best practices of financial modelling including the Excel tools formulas and

functions to master and the techniques and strategies necessary to eliminate errors **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 Microsoft Excel 2013 Data Analysis and Business Modeling (Introducing) Riley J. Abbott, 2015-08-10 Thought provoking and accessible in approach this updated and expanded second edition of the Microsoft Excel 2013 Data Analysis and Business Modeling Introducing 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 advanced graduate level students We hope you find this book useful in shaping your future career Feel free to send us your enquiries related to our publications to info@risepress.pw Rise Press

The Dax & Pivot Power Bible Jesse M Poulos, 2025-10-27 Unlock the Power of Excel The DAX Pivot Power Bible Ready to elevate your Excel skills The DAX Pivot Power Bible is the ultimate guide for mastering Power Pivot DAX formulas and data modeling Whether you re a beginner or an experienced user this book will teach you how to analyze complex data create dynamic reports and make smarter data driven decisions What You ll Learn Power Query Data Ingestion Connect to multiple data sources Excel files databases web data and clean your data using Power Query and M language transformations Mastering DAX Start with basic DAX formulas and progress to advanced techniques like context transition and time intelligence Learn how to write powerful measures and calculated columns that give you business insights Data Modeling Relationships Understand how to build efficient data models using the Star Schema managing relationships and creating hierarchies Optimize your model for faster better reporting Time Intelligence Learn how to create YTD QTD and MTD

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Table of Contents Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills

1. Understanding the eBook Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - The Rise of Digital Reading Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - Advantages of eBooks Over Traditional Books
2. Identifying Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - User-Friendly Interface
4. Exploring eBook Recommendations from Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - Personalized Recommendations

- Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills User Reviews and Ratings
- Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills and Bestseller Lists
- 5. Accessing Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills Free and Paid eBooks
 - Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills Public Domain eBooks
 - Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills eBook Subscription Services
 - Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills Budget-Friendly Options
- 6. Navigating Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills eBook Formats
 - ePub, PDF, MOBI, and More
 - Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills Compatibility with Devices
 - Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - Highlighting and Note-Taking Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - Interactive Elements Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
- 8. Staying Engaged with Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
- 9. Balancing eBooks and Physical Books Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - Setting Reading Goals Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills

- Fact-Checking eBook Content of Microsoft Excel 2013 Building Data Models With Powerpivot Business Skills
- Distinguishing Credible Sources

13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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