

Learn To Write Dax A Practical Guide To Learning Power Pivot For Excel And Power Bi

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Power BI - Daniel Jones 2020-04-19

Power BI is a cloud-based business service from Microsoft that lets you leverage powerful data visualization and reporting tools. This book delves into some of the more advanced topics after a brief overview of the fundamentals. It is designed to further your knowledge of one of the most powerful business tools ever released. You will learn how to use the Power BI desktop to bring data in from various sources. You will learn how to create reports and publish them. You will learn how R scripts, parameters, and the Power Query M Formula language fit into Power BI. You will also learn how to use SQL Server data and SQL Server audit data to push your reports and visualizations to another level. Here's what you will learn: A brief introduction to Power BI A brief look at the Power BI building blocks How to use Power BI Desktop How to use Power BI Reports What High-Density Line Sampling is How to connect with Data in Power BI What Real-Time Streaming is How to Push Data in Datasets How to use Excel to Publish Into Power BI Working with R Scripts Working with Parameters Working with SQL Server Data Working with the Power Query M Formula Language How to Visualize SQL Server Audit Data And much more By the end of the book, you will have a much deeper understanding of how to leverage Power BI for effective and efficient business intelligence so scroll up and hit that Buy Now button to get

started

Star Trek 101: A Practical Guide to Who, What, Where, and Why - Terry J. Erdmann 2008-09-23

In the future, a heroic captain and his crew explore the Galaxy in a really fast spacecraft. The crew's standing orders are: "...to explore strange new worlds, to seek out new life and new civilizations, to boldly go where no man has gone before."™ Simple, straightforward -- that's Star Trek.® So what's all the fuss? Why do news crews always seem to find someone, somewhere dressed up in a Star Trek costume? What could be so interesting to so many people? Star Trek 101 is the answer. You'll learn just a little about the heroes (Captain Kirk believes that man wasn't meant to live in paradise), the villains (Klingons have a thirst for conquest), and the important aliens (Vulcans live their lives by logic). In the handy recaps for all things Star Trek, you'll discover that the television shows and movies run the gamut from action-adventure to comedy. Just want to sample? The ten essential episodes are offered for your consideration. Star Trek 101 is a quick primer of the television shows and movies that carry the Star Trek name.

DAX Patterns - Marco Russo 2020-08-10

A pattern is a general, reusable solution to a frequent or common challenge. This book is the second edition of the most comprehensive collection of ready-to-use solutions in DAX, that you can use in Microsoft Power BI, Analysis

Services Tabular, and Power Pivot for Excel. The book includes the following patterns: Time-related calculations, Standard time-related calculations, Month-related calculations, Week-related calculations, Custom time-related calculations, Comparing different time periods, Semi-additive calculations, Cumulative total, Parameter table, Static segmentation, Dynamic segmentation, ABC classification, New and returning customers, Related distinct count, Events in progress, Ranking, Hierarchies, Parent-child hierarchies, Like-for-like comparison, Transition matrix, Survey, Basket analysis, Currency conversion, Budget.

Raising Antiracist Children - Britt Hawthorne
2022-06-07

NEW YORK TIMES BESTSELLER A must-have guide to raising inclusive, antiracist children from educator and advocate, Britt Hawthorne. Raising antiracist children is a noble goal for any parent, caregiver, or educator, but it can be hard to know where to start. Let Britt Hawthorne—a nationally recognized teacher and advocate—be your guide. *Raising Antiracist Children* acts as an interactive guide for strategically incorporating the tools of inclusivity into everyday life and parenting. Hawthorne breaks down antiracist parenting into four comprehensive sections: -Healthy bodies—Establishing a safe and body-positive home environment to combat stereotypes and create boundaries. -Radical minds—Encouraging children to be agents of change, accompanied by scripts for teaching advocacy, giving and taking productive feedback, and becoming a coconspirator for change. -Conscious shopping—Raising awareness of how local shopping can empower or hinder a community's ability to thrive, and teaching readers of all ages how to create shopping habits that support their values. -Thriving communities—Acknowledging the personal power we have to shape our schools, towns, and worlds, accompanied by exercises for instigating change. Full of questionnaires, stories, activities, tips, and tools, *Raising Antiracist Children* is a must-have, practical guide essential for parents and caregivers everywhere.

Microsoft Excel 2013 - Alberto Ferrari 2013
Shows readers how to perform complex data analysis, create reports with the data analysis

expressions language, and add hierarchies to data models to enable faster browsing.

Power Query Cookbook - Andrea Janicijevic
2021-10-15

Leverage your source data from hundreds of different connections, perform millions of different transformations, and easily manage highly complex data lifecycles with Power Query Key Features Collect, combine, and transform data using Power Query's data connectivity and data preparation features Overcome the problems faced while accessing data from multiple sources and reshape it to meet your business requirements Explore how the M language can be used to write your own customized solutions Book Description Power Query is a data preparation tool that enables data engineers and business users to connect, reshape, enrich, and transform their data to facilitate relevant business insights and analysis. With Power Query's wide range of features, you can perform no-code transformations and complex M code functions at the same time to get the most out of your data. This Power Query book will help you to connect to data sources, achieve intuitive transformations, and get to grips with preparation practices. Starting with a general overview of Power Query and what it can do, the book advances to cover more complex topics such as M code and performance optimization. You'll learn how to extend these capabilities by gradually stepping away from the Power Query GUI and into the M programming language. Additionally, the book also shows you how to use Power Query Online within Power BI Dataflows. By the end of the book, you'll be able to leverage your source data, understand your data better, and enrich it with a full stack of no-code and custom features that you'll learn to design by yourself for your business requirements. What you will learn Understand how to use Power Query to connect and explore data Explore ways to reshape and enrich data Discover the potential of Power Query across the Microsoft platform Build complex and custom transformations Use M code to write new queries against data sources Use the Power Query Online tool within Power BI Dataflows Implement best practices such as reusing dataflows, optimizing expanding table operations, and field mapping Who this book is

for This book is for data analysts, BI developers, data engineers, and anyone looking for a desk reference guide to learn how Power Query can be used with different Microsoft products to handle data of varying complexity. Beginner-level knowledge of Power BI and the M Language will help you to get the best out of this book.

Mastering Microsoft Power BI - Brett Powell
2018-03-29

Design, create and manage robust Power BI solutions to gain meaningful business insights
Key Features Master all the dashboarding and reporting features of Microsoft Power BI
Combine data from multiple sources, create stunning visualizations and publish your reports across multiple platforms
A comprehensive guide with real-world use cases and examples demonstrating how you can get the best out of Microsoft Power BI
Book Description This book is intended for business intelligence professionals responsible for the design and development of Power BI content as well as managers, architects and administrators who oversee Power BI projects and deployments. The chapters flow from the planning of a Power BI project through the development and distribution of content to the administration of Power BI for an organization. BI developers will learn how to create sustainable and impactful Power BI datasets, reports, and dashboards. This includes connecting to data sources, shaping and enhancing source data, and developing an analytical data model. Additionally, top report and dashboard design practices are described using features such as Bookmarks and the Power KPI visual. BI managers will learn how Power BI's tools work together such as with the On-premises data gateway and how content can be staged and securely distributed via Apps. Additionally, both the Power BI Report Server and Power BI Premium are reviewed. By the end of this book, you will be confident in creating effective charts, tables, reports or dashboards for any kind of data using the tools and techniques in Microsoft PowerBI. What you will learn
Build efficient data retrieval and transformation processes with the Power Query M Language
Design scalable, user-friendly DirectQuery and Import Data Models
Develop visually rich, immersive, and interactive reports

and dashboards
Maintain version control and stage deployments across development, test, and production environments
Manage and monitor the Power BI Service and the On-premises data gateway
Develop a fully on-premise solution with the Power BI Report Server
Scale up a Power BI solution via Power BI Premium capacity and migration to Azure Analysis Services or SQL Server Analysis Services
Who this book is for
Business Intelligence professionals and existing Power BI users looking to master Power BI for all their data visualization and dashboarding needs will find this book to be useful. While understanding of the basic BI concepts is required, some exposure to Microsoft Power BI will be helpful.

Microsoft Power BI Quick Start Guide - Devin Knight
2018-07-30

Bring your data to life with Power BI
Key Features Get to grips with the fundamentals of Microsoft Power BI and its Business Intelligence capabilities
Build accurate analytical models, reports and dashboards
Get faster and more intuitive insights from your data using Microsoft Power BI
Book Description Microsoft Power BI is a cloud-based service that helps you easily visualize and share insights using your organization's data. This book will get you started with business intelligence using the Power BI toolset, covering essential concepts such as installation, designing effective data models, as well as building basic dashboards and visualizations to make your data come to life
You will learn how to get your data the way you want - connecting to data sources sources and how to clean your data with the Power BI Query Editor. You will next learn how to properly design your data model to make your data easier to work with.. You will next learn how to properly design your data model to navigate table relationships and build DAX formulas to make your data easier to work with. Visualizing your data is another key element of this book, and you will learn how to follow proper data visualization styles and enhanced digital storytelling techniques. By the end of this book, you will understand how to administer your organization's Power BI environment so deployment can be made seamless, data refreshes can run properly, and security can be fully implemented
What you will learn
Connect to data sources using both import

and DirectQuery options Use the Query Editor to apply data transformations and data cleansing processes, including learning how to write M and R scripts Design optimized data models by designing relationships and DAX calculations Leverage built-in and custom visuals to design effective reports Use the Power BI Desktop and Power BI Service to implement Row Level Security on your model Administer a Power BI cloud tenant for your organization Deploy your Power BI Desktop files into the Power BI Report Server Who this book is for This book is for aspiring Business Intelligence professionals who want to get up and running with Microsoft Power BI. If you have a basic understanding of BI concepts and want to learn how to apply them using Microsoft Power BI, this book is for you. *Learning Microsoft Power BI* - Jeremy Arnold 2022-09-26

Microsoft Power BI is a data analytics and visualization tool powerful enough for the most demanding data scientists, but accessible enough for everyday use for anyone who needs to get more from data. The market has many books designed to train and equip professional data analysts to use Power BI, but few of them make this tool accessible to anyone who wants to get up to speed on their own. This streamlined intro to Power BI covers all the foundational aspects and features you need to go from "zero to hero" with data and visualizations. Whether you work with large, complex datasets or work in Microsoft Excel, author Jeremy Arnold shows you how to teach yourself Power BI and use it confidently as a regular data analysis and reporting tool. You'll learn how to: Import, manipulate, visualize, and investigate data in Power BI Approach solutions for both self-service and enterprise BI Use Power BI in your organization's business intelligence strategy Produce effective reports and dashboards Create environments for sharing reports and managing data access with your team Determine the right solution for using Power BI offerings based on size, security, and computational needs **Learn to Write DAX** - Matt Allington 2015-12-01

Active learning lessons for mastering DAX Data analysis expressions (DAX) is the formula language of PowerPivot and this book is written to give hands-on practice to anyone who wants

to become competent at writing such formulas. Sample exercises that explain each concept are provided and followed by practice questions and answers to maximize learning and experience with DAX.

SAP Analysis for Microsoft Office--Practical Guide - Denis Reis 2021-01-26

Managing your SAP data in Microsoft Excel? This is your guide to using SAP Analysis for Microsoft Office! Get started with the basics, from creating your first workbook to navigating through reports. Then, follow step-by-step instructions to process data, analyze data, develop planning applications, customize reports, and work with tools such as formulas and macros. Including details on troubleshooting, UI customization, and more, this book is your all-in-one resource! In this book, you'll learn about: a. Reporting and Data Analysis Learn to work with reports in SAP Analysis for Microsoft Office: define parameters with prompts, adjust formatting and styles, and extend reports with local data. Filter, sort, and display your data using hierarchies, and refine data analysis with simple and advanced calculations. b. Planning Use your SAP data to develop planning workbooks. Plan your data both manually and with functions and sequences. Understand key settings for cell locking, the planning model, and more. c. Advanced Features Take your skills to the next level. Write formulas to use in your reports, and create and use macros in your workbooks, including steps to use API methods, callbacks, and design rules. Highlights include: 1) Workbook creation 2) Report navigation 3) Prompts 4) Data processing, organization, and analysis 5) Planning applications 6) Report customization and formatting 7) Formulas 8) Macros 9) Configuration 10) Troubleshooting **Power Pivot and Power Bi: The Excel User's Guide to Dax, Power Query, Power Bi & Power Pivot in Excel 2010-2016** - Avichal Singh 2021-12

Microsoft PowerPivot is a free add-on to Excel from Microsoft that allows users to produce new kinds of reports and analyses that were simply impossible before, and this book is the first to tackle DAX formulas, the core capability of PowerPivot, from the perspective of the Excel audience. Written by the world's foremost

PowerPivot blogger and practitioner, the book's concepts and approach are introduced in a step-by-step manner tailored to the learning style of Excel users everywhere. The techniques presented allow users to produce, in hours or even minutes, results that formerly would have taken entire teams weeks or months to produce. The "pattern-like" techniques and best practices contained in this book have been developed and refined over two years of onsite training with Excel users around the world, and the key lessons from those seminars costing thousands of dollars per day are now available within the pages of this easy-to-follow guide. This updated edition covers new features introduced with Office 2015.

PHP Advanced and Object-Oriented

Programming - Larry Ullman 2012-09-13

Readers can take their PHP skills to the next level with this fully revised and updated PHP Advanced: Visual QuickPro Guide, Third Edition! Filled with fourteen chapters of step-by-step content and written by bestselling author and PHP programmer Larry Ullman, this guide teaches specific topics in direct, focused segments, shows how PHP is used in real-world applications. The book teaches developing web applications using advanced PHP techniques and advanced database concepts, and this edition offers several chapters devoted to object-oriented programming and all-new chapters on debugging, testing, and performance and using the Zend framework. Author hosts a popular companion website at www.larryullman.com, where readers can freely download code used in the book, access a user forum and book updates, and get advice directly from the author.

Finding the Space to Lead - Janice Marturano 2014-01-07

The complexity and relentless pace of our world places exceptional demands on leaders today. They work incredibly hard and yet feel that they are not meeting their own expectations of excellence. They feel disconnected from their own values and overburdened. By the thousands, they seek out books on leadership skills, time management, and "getting things done," but the techniques these volumes offer, useful as they are, don't often don't speak to the leader's fundamental sense that something is missing. Janice Marturano, a senior executive with

decades of experience in Fortune 500 corporations, explains how Mindful Leadership training integrates the practice of mindfulness-meditation and self-awareness-with the practical tools of management, enabling leaders to bring a wider range of their capacities to the challenges at hand. We already know from scientific research that mindfulness practices enhance mental health and improve clarity and focus. FINDING THE SPACE shows how this training has specific value for leaders. This is not a new "leadership system" to add to the burden of already overworked people. It brings the concepts of mindfulness into the everyday life of anyone in a leadership role, through specific exercises that address practical issues-the calendar, schedule, phone usage, meetings, to-do list, and strategic planning, as well as interpersonal challenges such as listening and working with difficult colleagues. Leaders who have experienced mindfulness training report that it provides a "transformative experience" with significant improvements in innovation, self-awareness, listening, and making better decisions. In FINDING THE SPACE TO LEAD, Marturano masterfully lays out her proven techniques for promoting mindfulness in the busy executive's working life.

Beginning Microsoft Power BI - Dan Clark 2020-02-21

Analyze company data quickly and easily using Microsoft's powerful data tools. Learn to build scalable and robust data models, clean and combine different data sources effectively, and create compelling and professional visuals. Beginning Power BI is a hands-on, activity-based guide that takes you through the process of analyzing your data using the tools that that encompass the core of Microsoft's self-service BI offering. Starting with Power Query, you will learn how to get data from a variety of sources, and see just how easy it is to clean and shape the data prior to importing it into a data model. Using Power BI tabular and the Data Analysis Expressions (DAX), you will learn to create robust scalable data models which will serve as the foundation of your data analysis. From there you will enter the world of compelling interactive visualizations to analyze and gain insight into your data. You will wrap up your Power BI journey by learning how to package

and share your reports and dashboards with your colleagues. Author Dan Clark takes you through each topic using step-by-step activities and plenty of screen shots to help familiarize you with the tools. This third edition covers the new and evolving features in the Power BI platform and new chapters on data flows and composite models. This book is your hands-on guide to quick, reliable, and valuable data insight. What You Will Learn Simplify data discovery, association, and cleansing Build solid analytical data models Create robust interactive data presentations Combine analytical and geographic data in map-based visualizations Publish and share dashboards and reports Who This Book Is For Business analysts, database administrators, developers, and other professionals looking to better understand and communicate with data

Power BI - Daniel Jones 2021-07-26

Thanks to Power BI, Excel can also analyze and prepare large amounts of data. With this book, you get everything you need for everyday work: comprehensive and understandable explanations based on clear, practical scenarios. I will show you how to handle raw data from different data sources and how to clean, link, analyze and visualize them. You will find out how you can efficiently combine Functions with Power Query, Power Pivot, Power BI Desktop, and how to use business intelligence profitably for your company! It is aimed at any professional who needs to report and perform data analysis efficiently. You do not need to have an analyst position in your work portfolio. Even if you already have experience with Power BI, you are sure to get important resources out of this book. As I mentioned above, in this book, you will learn the data analysis process using Power BI Functions and Tools, from how to install and how to schedule automatic updating of your reports to perform analytics. As with every new skill, learning Power BI requires some effort. I have structured the book in such a way that you can master and apply everything in the book in a systemic way. Once complete, you'll be able to use this knowledge in your company and reap the results of high-quality reports, thus ensuring recognition and safety in your field. You will learn how to use the Power BI desktop to bring data in from various sources. You will learn how

to create reports and publish them. You will learn how R scripts, parameters, and the Power Query M Formula language fit into Power BI. You will also learn how to use SQL Server data and SQL Server audit data to push your reports and visualizations to another level. Here's what you will learn: A brief introduction to Power BI A brief look at the Power BI building blocks How to use Power BI Desktop How to use Power BI Reports What High-Density Line Sampling is How to connect with Data in Power BI What Real-Time Streaming is How to Push Data in Datasets How to use Excel to Publish Into Power BI Working with R Scripts Working with Parameters Working with SQL Server Data Working with the Power Query M Formula Language How to Visualize SQL Server Audit Data And much more By the end of the book, you will have a much deeper understanding of how to leverage Power BI for effective and efficient business intelligence so scroll up and hit that Buy Now button to get started!

[Learn Ethical Hacking from Scratch](#) - Zaid Sabih 2018-07-31

Learn how to hack systems like black hat hackers and secure them like security experts Key Features Understand how computer systems work and their vulnerabilities Exploit weaknesses and hack into machines to test their security Learn how to secure systems from hackers Book Description This book starts with the basics of ethical hacking, how to practice hacking safely and legally, and how to install and interact with Kali Linux and the Linux terminal. You will explore network hacking, where you will see how to test the security of wired and wireless networks. You'll also learn how to crack the password for any Wi-Fi network (whether it uses WEP, WPA, or WPA2) and spy on the connected devices. Moving on, you will discover how to gain access to remote computer systems using client-side and server-side attacks. You will also get the hang of post-exploitation techniques, including remotely controlling and interacting with the systems that you compromised. Towards the end of the book, you will be able to pick up web application hacking techniques. You'll see how to discover, exploit, and prevent a number of website vulnerabilities, such as XSS and SQL injections. The attacks covered are practical techniques that work

against real systems and are purely for educational purposes. At the end of each section, you will learn how to detect, prevent, and secure systems from these attacks. What you will learn Understand ethical hacking and the different fields and types of hackers Set up a penetration testing lab to practice safe and legal hacking Explore Linux basics, commands, and how to interact with the terminal Access password-protected networks and spy on connected clients Use server and client-side attacks to hack and control remote computers Control a hacked system remotely and use it to hack other systems Discover, exploit, and prevent a number of web application vulnerabilities such as XSS and SQL injections Who this book is for Learning Ethical Hacking from Scratch is for anyone interested in learning how to hack and test the security of systems like professional hackers and security experts.

Hands-On Business Intelligence with DAX - Ian Horne 2020-01-31

Implement business intelligence (BI), data modeling, and data analytics within Microsoft products such as Power BI, SQL Server, and Excel Key Features Understand the ins and outs of DAX expressions and querying functions with the help of easy-to-follow examples Manipulate data of varying complexity and optimize BI workflows to extract key insights Create, monitor, and improve the performance of models by writing clean and robust DAX queries Book Description Data Analysis Expressions (DAX) is known for its ability to increase efficiency by extracting new information from data that is already present in your model. With this book, you'll learn to use DAX's functionality and flexibility in the BI and data analytics domains. You'll start by learning the basics of DAX, along with understanding the importance of good data models, and how to write efficient DAX formulas by using variables and formatting styles. You'll then explore how DAX queries work with the help of examples. The book will guide you through optimizing the BI workflow by writing powerful DAX queries. Next, you'll learn to manipulate and load data of varying complexity within Microsoft products such as Power BI, SQL Server, and Excel Power Pivot. You'll then discover how to build and extend your data models to gain additional insights, before

covering progressive DAX syntax and functions to understand complex relationships in DAX. Later, you'll focus on important DAX functions, specifically those related to tables, date and time, filtering, and statistics. Finally, you'll delve into advanced topics such as how the formula and storage engines work to optimize queries. By the end of this book, you'll have gained hands-on experience in employing DAX to enhance your data models by extracting new information and gaining deeper insights. What you will learn Understand DAX, from the basics through to advanced topics, and learn to build effective data models Write and use DAX functions and expressions with the help of hands-on examples Discover how to handle errors in your DAX code, and avoid unwanted results Load data into a data model using Power BI, Excel Power Pivot, and SSAS Tabular Cover DAX functions such as date, time, and time intelligence using code examples Gain insights into data by using DAX to create new information Understand the DAX VertiPaq engine and how it can help you optimize data models Who this book is for This book is for data analysts, business analysts, BI developers, or SQL users who want to make the best use of DAX in the BI and data analytics domain with the help of examples. Some understanding of BI concepts is mandatory to fully understand the concepts covered in the book.

Beginning Power BI - Dan Clark 2017-02-28 Analyze your company's data quickly and easily using Microsoft's latest tools. You will learn to build scalable and robust data models to work from, clean and combine different data sources effectively, and create compelling visualizations and share them with your colleagues. Author Dan Clark takes you through each topic using step-by-step activities and plenty of screen shots to help familiarize you with the tools. This second edition includes new material on advanced uses of Power Query, along with the latest user guidance on the evolving Power BI platform. Beginning Power BI is your hands-on guide to quick, reliable, and valuable data insight. What You'll Learn Simplify data discovery, association, and cleansing Build solid analytical data models Create robust interactive data presentations Combine analytical and geographic data in map-based visualizations

Publish and share dashboards and reports Who This Book Is For Business analysts, database administrators, developers, and other professionals looking to better understand and communicate with data

Data Analysis with Microsoft Power BI - Brian Larson 2020-01-03

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. 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

Instant Creating Data Models with PowerPivot How-to - Leo Taehyung Lee 2013-04-25

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. This is a practical, recipe-based book, taking the reader through the hands-on steps required to set up and use PowerPivot with as little fuss as possible. This is an introductory book on PowerPivot for basic Excel users who handle lots of data and are willing to go beyond the limitations of Excel without the need to learn a new language from scratch.

Super Charge Power BI - Matt Allington 2018-06-01

Power BI is a powerful self-service (and enterprise) business intelligence (BI) tool that was first made generally available by Microsoft in July 2015. Power BI is a complete BI package that covers the end to end BI process including data acquisition (get data), data modelling (prepare/model the data) and data visualisation (analyse the data). And there is a lot of good news about this tool including the fact that the skills needed to succeed with Power BI are fully transferable to Microsoft Excel. There are 3 learning areas required to master everything Power BI Desktop has to offer. 1. The M Language - used for data acquisition 2. The DAX Language - used to prepare and model data 3. Visualisation and analysis - used to present data in a compelling way Power BI is probably the first commercial grade software product that brings all of these areas into a single software package that is completely accessible to a business user (you don't need to be an IT pro). This book focuses on number 2 above, the DAX language (Data Analysis Expressions). *Super Charge Power BI Desktop* is the second book written by Matt Allington and is a sister book to his first book *Learn to Write DAX* (first released Dec 2015). *Super Charge Power BI Desktop* uses the same learning and practice exercise framework as used in *Learn to Write DAX* however the entire book is written using the Power BI Desktop user interface. Unfortunately simply reading a book is normally not enough for Excel users wanting to get the most out of Power BI Desktop and to learn the DAX language - most people will also need some practice. *Super Charge Power BI Desktop* is different to other books - it is written in such a way to clearly explain the concepts of Power BI data modelling while at the same time giving hands-on practice to deeply engage the reader to help the new knowledge and concepts stick. The book first presents the theory, then provides worked through sample exercises demonstrating each of the concepts, and finally it provides the reader with practice exercises and answers to maximize learning retention.

Beginning DAX with Power BI - Philip Seamark 2018-03-31

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.

Community-Based Research - Mary Beckman
2016-03-29

Community-based research (CBR) refers to collaborative investigation by academics and non-academic community members that fosters positive change on a local level. Despite recent trends toward engaged scholarship, few publications demonstrate how to effectively integrate CBR into academic course work or take advantage of its potential for achieving community change. Community-Based Research: Teaching for Community Impact fills these gaps by providing: * An overview of language and methods used by professionals engaged in CBR * A framework for orienting CBR toward concrete community outcomes * Effective ways to integrate CBR into course content, student-driven projects, and initiatives spanning

disciplines, curricula, campuses and countries * Lessons learned in working toward positive outcomes for students and in communities This text is designed for faculty, graduate students, service-learning and other engaged learning and scholarship practitioners, alliance members, special interest groups, and organizations that desire to strengthen student learning and utilize research for improvement in their communities. **Pro DAX with Power BI** - Philip Seamark
2019-12-10

Learn 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. You will learn how Power BI, through combining DAX building blocks (such as measures, table filtering, and data lineage), can yield extraordinary 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 Will 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.

Analyzing Data with Power BI and Power Pivot for Excel - Alberto Ferrari 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

The Definitive Guide to DAX - Marco Russo

2019-07-11

Now expanded and updated with modern best practices, this is the most complete guide to Microsoft's DAX language for business intelligence, data modeling, and analytics. Expert 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, and use this knowledge to write fast, robust code. This edition focuses on examples you can build and run with the free Power BI Desktop, and helps you make the most of the powerful syntax of variables (VAR) in Power BI, Excel, or Analysis Services. Want to leverage all of DAX's remarkable capabilities? This no-compromise "deep dive" is exactly what you need. Perform powerful data analysis with DAX for Power BI, SQL Server, and Excel

- Master core DAX concepts, including calculated columns, measures, and calculation groups
- Work efficiently with basic and advanced table functions
- Understand evaluation contexts and the CALCULATE and CALCULATETABLE functions
- Perform time-based calculations
- Use calculation groups and calculation items
- Use syntax of variables (VAR) to write more readable, maintainable code
- Express diverse and unusual relationships with DAX, including many-to-many relationships and bidirectional filters
- Master advanced optimization techniques, and improve performance in aggregations
- Optimize data models to achieve better compression
- Measure DAX query performance with DAX Studio and learn how to optimize your DAX

Power BI - Daniel Jones 2019-11-03

As of 2019, Microsoft's Power BI is the leading analytics and business intelligence platform available on mobile applications, clouds, on-premise data gateway, data modeling applications, report authorizing applications, and other utilities. This book offers a comprehensive analysis of the powerful tools and features contained in Power BI's arsenal. It includes the stepwise directions on how to start a Power BI project and how to share the project with a large number of users. As a reader, the book will get you familiarized with the basic concepts of Power BI and how its datasets, dashboards, and reports can be used to give insights and interactive experiences. This book will help you become conversant with management techniques and administration topics available on Power BI. With the knowledge acquired in the book, you will be able to utilize Power BI's powerful features and carry

out successful Power BI projects for your organization. Some of the topics covered in the book include: Introduction to Power BI Dashboard Sharing on Power BI Loading of Data from different data sources into Power BI Data transformation Data modeling. Combined together the tutorial topics listed above make a practical and potent beginners guide. The flow of the book is designed for the readers to follow and apply the instructions given as they are reading along. The approach is meant to encourage the reader not only to visualize but also actualize the step-by-step form of instructions given in the book

Expert Data Modeling with Power BI - Soheil Bakhshi 2021-06-11

Manage and work with business data effectively by learning data modeling techniques and leveraging the latest features of Power BI Key Features Understand data modeling techniques to get the best out of data using Power BI Define the relationships between data to extract valuable insights Solve a wide variety of business challenges by building optimal data models Book Description Microsoft Power BI is one of the most popular business intelligence tools available on the market for desktop and the cloud. This book will be your guide to understanding the ins and outs of data modeling and how to create data models using Power BI confidently. You'll learn how to connect data from multiple sources, understand data, define and manage relationships between data, and shape data models. In this book, you'll explore how to use data modeling and navigation techniques to define relationships and create a data model before defining new metrics and performing custom calculations using modeling features. As you advance through the chapters, the book will demonstrate how to create full-fledged data models, enabling you to create efficient data models and simpler DAX code with new data modeling features. With the help of examples, you'll discover how you can solve business challenges by building optimal data models and changing your existing data models to meet evolving business requirements. Finally, you'll learn how to use some new and advanced modeling features to enhance your data models to carry out a wide variety of complex tasks. By the end of this Power BI book, you'll have gained

the skills you need to structure data coming from multiple sources in different ways to create optimized data models that support reporting and data analytics. What you will learn Implement virtual tables and time intelligence functionalities in DAX to build a powerful model Identify Dimension and Fact tables and implement them in Power Query Editor Deal with advanced data preparation scenarios while building Star Schema Explore best practices for data preparation and data modeling Discover different hierarchies and their common pitfalls Understand complex data models and how to decrease the level of model complexity with different data modeling approaches Who this book is for This MS Power BI book is for BI users, data analysts, and analysis developers who want to become well-versed with data modeling techniques to make the most of Power BI. Basic knowledge of Power BI and Star Schema will help you to understand the concepts covered in this book.

The Definitive Guide to DAX - Alberto Ferrari 2015-10-14

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

Introducing Microsoft Power BI - Alberto Ferrari
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 Data with Power BI and Power Pivot for Excel* (ISBN 9781509302765). Go to the book's page at the Microsoft Press Store here for more details:<http://aka.ms/analyzingdata/details>. Learn more about Power BI at <https://powerbi.microsoft.com/>.

DAX Cookbook - Greg Deckler 2020-03-18
Solve real-world business problems by learning how to create common industry key performance indicators and other calculations using DAX within Microsoft products such as Power BI, SQL Server, and Excel. Key Features Learn to write sophisticated DAX queries to solve business intelligence and data analytics challenges Handle performance issues and optimization within the data model, DAX calculations and more Solve business issues with Microsoft Excel, Power BI, and SQL Server using DAX queries Book Description DAX provides an extra edge by extracting key information from the data that is already present in your model. Filled with examples of practical, real-world calculations geared toward business metrics and key performance indicators, this cookbook features solutions that you can apply for your own business analysis needs. You'll learn to write various DAX expressions and functions to understand how DAX queries work. The book also covers sections on dates, time, and duration to help you deal with working days, time zones, and shifts. You'll then discover how to manipulate text and numbers to create dynamic titles and ranks, and deal with measure totals. Later, you'll explore common business metrics for finance, customers, employees, and projects. The book will also show you how to implement

common industry metrics such as days of supply, mean time between failure, order cycle time and overall equipment effectiveness. In the concluding chapters, you'll learn to apply statistical formulas for covariance, kurtosis, and skewness. Finally, you'll explore advanced DAX patterns for interpolation, inverse aggregators, inverse slicers, and even forecasting with a deseasonalized correlation coefficient. By the end of this book, you'll have the skills you need to use DAX's functionality and flexibility in business intelligence and data analytics. What you will learn Understand how to create common calculations for dates, time, and duration Create key performance indicators (KPIs) and other business calculations Develop general DAX calculations that deal with text and numbers Discover new ideas and time-saving techniques for better calculations and models Perform advanced DAX calculations for solving statistical measures and other mathematical formulas Handle errors in DAX and learn how to debug DAX calculations Understand how to optimize your data models Who this book is for Business users, BI developers, data analysts, and SQL users who are looking for solutions to the challenges faced while solving analytical operations using DAX techniques and patterns will find this book useful. Basic knowledge of the DAX language and Microsoft services is mandatory.

Expert Cube Development with SSAS Multidimensional Models - Chris Webb
2014-02-24

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.

Age of Union - Dax Dasilva 2020-03-22
Age of Union is a compelling guide for igniting today's changemaker—those ready to take action for our planet and its inhabitants. We have seen growing divisions between people on either side of gender, religious, political and cultural

borders for too long. Meanwhile, global health crises, environmental degradation, and human-accelerated climate change pose immense challenges to our future that we must now face quickly and cooperatively. Separation has to be confronted head-on. We can do this each and every day with meaningful, impactful acts of union. There is a greater need for unity than ever before. Dax Dasilva presents a guide to take simple measures to promote our collective well-being and union. Grounded in four pillars—leadership, culture, spirituality, and nature—the book advocates that the time for change is now and that our choices are the catalyst. We are all in this together, so let us move toward an Age of Union. May it strengthen your resolve to start building a kinder, greener and more livable world where everyone and everything can thrive. You are the changemaker. For more information visit www.ageofunion.com

Reviews "A compassionate call for the cultural revolution needed to take care of each other and our planet." —Marika Anthony-Shaw, Founder & CEO of Plus1.org "Humans are finally evolving and are becoming more aware of the fact that saving the world is a priority for everyone today." —Carmen Busquets, WWF Council Member, Humanitarian and FashionTech Entrepreneur (Net-a-Porter, Moda Operandi, FarFetched, and BoF) "This book is a lens that helps focus on what really matters. We get so wrapped up in our daily lives that we forget how our actions affect our environment daily. This book is very relevant today, as it's time for everyone to become leaders of change and inspire others to do the same. Dax Dasilva portrays that an Age of Union is here and empowers others to rise to the occasion." —Ekaterina Sky, Wildlife Conservation Artist "Age of Union is the much needed call to action our world needs right now. Dax Dasilva speaks to the inherent leader in every one of us and provides a guide so that the future changemakers of tomorrow can get started today." —Jonathan Kanevsky MD "The first of its kind, Age of Union brings readers along an intimate journey that perfectly balances spiritual, entrepreneurial, and environmental guidance, all of which got me wanting to take action now." —Shira Laza, on-air personality and founder, What's Trending "Now more than ever

we need to be more connected and share ideas to collectively save the planet. This book is a great starting point and guide while trying to shift to this new paradigm". —Seth Troxler, International DJ "Age of Union is a well rounded read for anyone who wants to explore the subject of growth, change and connectedness. Especially in times like these, it gives hope and helps to understand how we can make a difference by transforming our relationship with ourselves and the world around us." —Annette & Daniela Fedler, Sustainable Luxury Design Consultants & Eco Friendly Fashion Designers "In Age of Union, Dax Dasilva shares with us a manifesto for the guiding principles that makes him a true leader in the ecological transition and the social evolution for a kinder world that will take us to the next phase of humanity. Age of Union is a mirror to be held for us to become leaders in that transition as well." —Damian Siqueiros, MFA, Artist and Activist

The Well Plated Cookbook - Erin Clarke
2020-08-25

Comfort classics with a lighter spin, from the creator of the healthy-eating blog Well Plated by Erin. Known for her incredibly approachable, slimmed-down, and outrageously delicious recipes, Erin Clarke is the creator of the smash-hit food blog in the healthy-eating blogosphere, Well Plated by Erin. Clarke's site welcomes millions of readers, and with good reason: Her recipes are fast, budget-friendly, and clever; she never includes an ingredient you can't find in a regular supermarket or that isn't essential to a dish's success, and she hacks her recipes for maximum nutrition by using the "stealthy healthy" ingredient swaps she's mastered so that you don't lose an ounce of flavor. In this essential cookbook for everyday cooking, Clarke shares more than 130 brand-new rapid-fire recipes, along with secrets to lightening up classic comfort favorites inspired by her midwestern roots, and clever recipe hacks that will enable you to put a healthy meal on the table any night of the week. Many of the recipes feature a single ingredient used in multiple, ingenious ways, such as Sweet Potato Boats 5 Ways. The recipes are affordable and keep practicality top-of-mind. She's eliminated odd leftover "orphan" ingredients and included Market Swaps so you can adjust the ingredients

based on the season or what you have on hand. To help you make the most of your cooking, she's even included tips to store and reheat leftovers, as well as clever ideas to turn them into an entirely new dish. From One-Pot Creamy Sundried Tomato Orzo to Sheet Pan Tandoori Chicken, all of the recipes are accessible to cooks of every level, and so indulgent you won't detect the healthy ingredients. As Clarke always hears from her readers, "My family doesn't like healthy food, but they LOVED this!" This is your homey guide to a healthier kitchen.

Dashboarding & Reporting with Power BI - Kasper de Jonge 2018-06-01

Microsoft's revolutionary Power BI is a tool that allows users to create and transform data into reports and dashboards in new and much more powerful ways. This book, written by a member of Microsoft's Power BI team, provides a practical step by step guide on creating a financial dashboard. The book covers in detail how to combine and shape the relevant data, build the dashboard in Power BI, providing layout and design tips and tricks, prepare the model to work with fiscal dates, and show values used in many financial reports, including year-to-date, variance-to-target, percentage-of-total, and running totals reports.

Power Query for Power BI and Excel - Christopher Webb 2014-07-05

Power Query for Power BI and Excel is a book for people who are tired of copying and pasting data into Excel worksheets. Power Query, part of the Microsoft Power BI suite, is a tool that automates the process of getting data into Excel and will save you hours of dull, repetitive, and error-prone work! Power Query makes it easy to extract data from many different data sources, filter that data, aggregate it, clean it and perform calculations on it, finally loading that data into either your worksheet or directly into the new Excel 2013 Data Model used by Power Pivot. This concise, practical book provides a complete guide to Power Query and how to use it to solve all of your Excel data-loading problems. Power Query for Power BI and Excel goes well beyond the surface of what Power Query can do. The book goes deep into the underlying M language, showing you how to do amazing things that aren't going to be possible from just the GUI interface that is covered in

most other books. You'll have full command of the GUI, and you'll be able to drop into the M language to go beyond what the GUI provides. The depth in this book makes it a must-have item for anyone who is pushing Power BI and Excel to their limits in the pursuit of business intelligence from data analysis. Teaches the basics of using Power Query to load data into Excel Helps you solve common, data-related problems with Power Query Shows how to write your own solutions in the powerful M language

M Is for (Data) Monkey - Ken Puls 2015-06-01

Power Query is one component of the Power BI (Business Intelligence) product from Microsoft, and "M" is the name of the programming language created by it. As more business intelligence pros begin using Power Pivot, they find that they do not have the Excel skills to clean the data in Excel; Power Query solves this problem. This book shows how to use the Power Query tool to get difficult data sets into both Excel and Power Pivot, and is solely devoted to Power Query dashboarding and reporting.

Supercharge Power BI - Matt Allington 2021-04-01

Data analysis expressions (DAX) is the formula language of Power BI. Learning the DAX language is key to empower Power BI users so they can take advantage of these new Business Intelligence (BI) capabilities. This volume clearly explains the concepts of DAX while at the same time offering hands-on practice to engage the reader and help new knowledge stick. This third edition has been updated for the new Power BI Ribbon interface while still providing a bridge for readers wanting to learn DAX in the Power BI, Power Pivot, or Excel.

Excel Tables - Zack Barresse 2014-08-01

Creating tables in Excel allows for easier formatting and reporting, but the new syntax that it implies can be intimidating to the uninitiated. In this guide, one of the developers of the official Microsoft Excel 2013 templates—all of which employ tables—helps introduce readers to the multiple benefits of tables. The book begins by explaining what tables are, how to create them, and how they can be used in reporting before moving on to slightly more advanced topics, including slicers and filtering, working with VBA macros, and using tables in the Excel web app. Novice Excel

users and experts alike will find relevant, useful, and authoritative information in this one-of-a-kind resource.