Dax Formulas for PowerPivot-Rob Collie 2015-06-01 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 simple, 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. It includes lessons on the difference between calculated columns and measures; how formulas can be reused across reports of completely different shapes; how to merge disjointed sets of data into unified reports; how to make certain columns in a pivot behave as if the pivot were filtered while other columns do not; and how to create time-intelligent calculations in pivot tables such as “Year over Year” and “Moving Averages” whether they use a standard, fiscal, or a complete custom calendar. 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 to within the pages of this easy-to-follow guide. This updated second edition covers new features introduced with Office 2015.

Excel Power Pivot & Power Query For Dummies-Michael Alexander 2016-04-04 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.

精髓。無須技術專業人員協助，以個人之力透過Excel即可進行大數據分析。詳細介紹大數據分析的四大工具:Power Query、Power Pivot、Power View與Power Map，從安裝、啟動到細部操作一應俱全。所有對Excel樞紐分析與大數據分析有興趣的Excel使用者，均可經由本書輕鬆駕馭大數據。由微軟資深MVP與MCT王作桓、蕭涵憶共同撰寫，並請微軟資深技術經理王恩琦以及微軟MVP陳智揚博士擔任技術顧問。

Analyzing Data with Power Bi and Power Pivot for Excel-Alberto Ferrari 2016-10-28 To get the right insights from your data, you need to model it right. From Power BI to Power Pivot for Excel, Microsoft offers extremely powerful and accessible tools for modeling data. Now, for the first time, there’s a complete guide to building exceptionally effective models using Microsoft’s tools. World-renowned Microsoft data analytics experts Marco Russo and Alberto Ferrari introduce all the data modeling theory you’ll need, and show how to apply it in the context of Microsoft’s current and evolving products. Step by step, you’ll learn how to transform simple tables into full analytical models of immense power. You’ll master data modeling through a collection of realistic scenarios of increasing sophistication. For each, the authors start with a simple “naive” model that can’t provide robust solutions. Next, they guide you to update and improve the model, so it can deliver the knowledge and insights you really need.”


本書第三章參考陳智揚老師教學網站(http://www.excel.com.tw/)Power View相關範例

Excel Power Pivot|免VBA,也能讓Excel自動統計、分析資料(電子書)-鷹尾祥 2020-07-29 不用寫程式，不懂VBA，也能完成報表自動化「使用函數跟樞紐分析表處理資料，只要格式稍有變動，就要重來一次，實在很麻煩」「聽說如果使用巨集或VBA，就可以達到自動化，可是我不會設計程式」這本書就是為了解除您的痛苦而生的。本書介紹的方法，是Excel的新功能，可以幫助使用者提升資料分析與報表製作的效率，同時也可以完成報表的自動更新。本書以Power Pivot為主軸，運用Power Query、DAX、樞紐分析圖、條件式格式等功能，整理成連貫的七個步驟。買了這本書的你，將能藉此完成前所未見的優秀報表並實現自動化的目的。使用Power Query / Power Pivot / DAX省略重複的動作 本書以Power Pivot為主軸，運用Power Query、DAX、樞紐分析圖、條件式格式等功能，整理成連貫的七個步驟。買了這本書的你，將能藉此完成前所未見的優秀報表並實現自動化的目的。 本書可以幫助您: .擺脫不斷重複的手動步驟! .自動載入並完成資料整理 .隨心所欲統計多個表格 .利用儀表板定點觀測KPI #碁峰資訊

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

Power Query-Saskia Gießen 2016-07-01 Power Query Dieses Handbuch ist die seminarbegleitende Unterlage zum Thema Power Query mit Excel. Es richtet sich an alle Anwender, die ihre Daten ohne lötige manuelle Arbeiten oder Programmierung komfortabel abrufen und für die spätere Analyse aufbereiten möchten. Power Query ist ein kostenloses Add-In für Excel direkt von Microsoft. Es läuft innerhalb von Excel in einem eigenständigen Fenster und ist spezialisiert auf den Import und die Bereinigung von Daten aller Art. In Excel 2016 ist Power Query bereits integriert. Die Werkzeugkiste von Power Query ist gut gefüllt. Sie bietet Befehle, wie beispielsweise Laden, Hinzufügen, Sortieren, Filtern, Gruppieren, Transponieren, Pivotieren und Unterpivotieren an. Mit der integrierten Sprache M können Sie den Datenimport um eigene Funktionen erweitern und anpassen. Nach dem Transformieren sind dann Excel, Pivot und PowerPivot für die bereitgestellten Daten zuständig. Lernen Sie dieses unerlässliche Tool für das Datenmanagement kennen. Das Handbuch begleitet Sie Schritt für Schritt vom Datenimport einer einfachen Textdatei bis hin zur automatisierten Verarbeitung von allen Excel-Dateien in einem Ordner. Die Beispieldateien zum Buch können Sie auf unserer Webseite herunterladen. Aus dem Inhalt 1 Einführung in Power 2 Erste Abfrage erstellen 3 Zellinhalte bearbeiten 4 Mehrere Dateien in einem Schritt importieren 5 Datenauszug aus einer Excel-Tabelle 6 Mehrere Tabellenblätter zusammenvon 7 Der SVERWEIS in Power Query 8 Daten entpivotieren 9 Zellbereiche aus Excel umwandeln 10 Viele nützliche Tools 11 Berechnungen und mehr 12 Parameter einsetzen 13 Daten aus dem Web 14 Datenabfuß von XML- und JSON-Daten 15 Einführung in M 16 Die Optionen 17 Troubleshooting 18 Power BI Desktop Veränderungen, die sich durch Power Query-Updates ergeben, werden auf der im Buch angegebenen Webseite beschrieben. Business intelligence con Excel y Power BI-Johnny Pacheco Contreras 2020 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. 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 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 Pivot Alchemy - Bill Jelen 2014-06-01

PowerPivot is an amazing new add-in for Excel 2013 that allows business intelligence pros to process large amounts of data. Although it is simple to use in a demo environment, analysts are likely to run into real-life scenarios that are difficult to solve. This guide, dedicated solely to the Power Pivot tool, provides techniques and solutions to real-world problems, including showing the Top N customers by using slicer filters, comparing budget to actuals, drilling across data instead of through data, and joining data from two different sources in a single analysis.


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).

Beginning Power BI with Excel 2013 - Dan Clark 2014-10-09

Understanding your company's data has never been easier than with Microsoft’s new Power BI package for Excel 2013. Consisting of four powerful tools—Power Pivot, Power View, Power Query and Power Maps—Power BI makes self-service business intelligence a reality for a wide range of users, bridging the traditional gap between Excel users, business analysts and IT experts and making it easier for everyone to work together to build the data models that can give you game-changing insights into your business. Beginning Power BI with Excel 2013 guides you step by step through the process of analyzing and visualizing your data. Daniel R. Clark, an expert in BI training and a regular speaker on these topics, takes you through each tool in turn, using hands-on activities to consolidate what you’ve learned in each chapter. Starting with Power 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's 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.

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.
Getting started with Power Query in Power BI and Excel-Reza Rad 2021-08-27 Any data analytics solution requires data population and preparation. With the rise of data analytics solutions these years, the need for this data preparation becomes even more essential. Power BI is a helpful data analytics tool that is used worldwide by many users. As a Power BI (or Microsoft BI) developer, it is essential to learn how to prepare the data in the right shape and format needed. You need to learn how to clean the data and build it in the structure that can be modeled easily and used high performant for visualization. Data preparation and transformation is the backend work. If you consider building a BI system as going to a restaurant and ordering food. The visualization is the food you see on the table nicely presented. The quality, the taste, and everything else comes from the hard work in the kitchen. The part that you don’t see or the backend in the world of Power BI is Power Query. You may be already familiar with some other data preparation and data transformation technologies, such as T-SQL, SSIS, Azure Data Factory, Informatica, etc. Power Query is a data transformation engine capable of preparing the data in the format you need. The good news is that to learn Power Query; you don’t need to know programming. Power Query is for citizen data engineers. However, this doesn’t mean that Power Query is not capable of performing advanced transformation. Unfortunately, because Power Query and data preparation is the kitchen work of the BI system, many Power BI users skip the learning of it and become aware of it somewhere along their BI project. Once they get familiar with it, they realize there are tons of things they could have implemented easier, faster, and in a much more maintainable way using Power Query. In other words, they learn mastering Power Query is the key skill toward mastering Power BI. We have been working with Power Query since the very early release of that in 2013, named Data Explorer, and wrote blog articles and published videos about it. The number of articles we published under this subject easily exceeds hundreds. Through those articles, some of the fundamentals and key learnings of Power Query are explained. We thought it is good to compile some of them in a book. A good analytics solution combines a good data model, good data preparation, and good analytics and calculations. Reza has written another book about the Basics of modeling in Power BI and a book on Power BI DAX Simplified. This book is covering the data preparation and transformations aspects of it. This book is for you if you are building a Power BI solution. Even if you are just visualizing the data, preparation and transformations are an essential part of analytics. You do need to have the cleaned and prepared data ready before visualizing it. This book is compiled into a series of two books, which will be followed by a third book later; Getting started with Power Query in Power BI and Excel (this book) Mastering Power Query in Power BI and Excel (already available to be purchased separately) Power Query dataflows (will be published later) Although this book is written for Power BI and all the examples are presented using the Power BI. However, the examples can be easily applied to Excel, Dataflows, and other tools and services using Power Query.

Power Pivot and Power BI-Rob Collie 2015-12-01 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 simple, 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. It includes lessons on the difference between calculated columns and measures; how formulas can be reused across reports of completely different shapes; how to merge disjointed sets of data into unified reports; how to make certain columns in a pivot behave as if the pivot were filtered while other columns do not; and how to create time-intelligent calculations in pivot tables such as "Year over Year" and "Moving Averages" whether they use a standard, fiscal, or a complete custom calendar. 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 to within the pages of this easy-to-follow guide. This updated second edition covers new features introduced with Office 2015.

Super Charge Excel-Matt Allington 2018-06 Data analysis expressions (DAX) is the formula language of Power Pivot. Learning the DAX language is key to empower Excel users so they can take advantage of these new Business Intelligence (BI) capabilities. This volume clearly explains the concepts of Power Pivot while at the same time offering hands-on practice to engage the reader and help new knowledge stick. This second edition has been updated for the Excel 2016 user interface while still providing a bridge for readers wanting to learn DAX in the Excel environment and then transfer their new DAX skills across to Power BI.

Learning Power Pivot for Excel Made Easy-Indera E. Murphy 2016-06-24 This book is based on Power Pivot for Excel 2016. Power Pivot is a popular tool for Excel. It is powerful and easy to learn. Power Pivot For Excel Made Easy gets you up and running with Power Pivot by teaching you the basics relatively quickly, so that you can import data and create pivot tables and chart for decision making purposes. Each chapter explains new concepts and most chapters have exercises to help reinforce the topics. This puts your new skills to work right away. I try hard not to bore you with a lot of history. You will learn how to link data tables, create summary pivot tables and make the data displayed in a pivot table interactive by adding filters, slicers and timelines. And did I say that sample files are available, so that you can complete the step-by-step instructions? What makes Power Pivot fun is that you can see your changes (good or bad) immediately. After completing the exercises in this book, you will be able to perform the following tasks and more: Import data into the data model Use the Table Import Wizard Create relationships Use slicers Create pivot tables and pivot charts Create KPI's and hierarchies Add sparklines to a pivot table Apply conditional formatting If you are also looking to learn Power Query, see Power BI Tools Volume 4: Learning Power Query And Power Pivot For Excel Made Easy, ISBN 978-1-935208-29-7. We also have a book that covers Power View and Power Map, in addition to Power Query, see Power BI Tools Volume 3: Learning Power Query, Power View And Power Map For Excel Made Easy, ISBN 978-1-935208-28-0.

Pro DAX with Power BI-Philip Seamark 2019-12-09 Know the intricate workings of DAX and the mechanics that are necessary to solve advanced Power BI challenges. This book is all about DAX (Data Analysis Expressions), the formula language used in Power BI, Microsoft’s leading self-service business Intelligence application, and covers other products such as PowerPivot and SQL Server Analysis Services Tabular. You will learn how to leverage the advanced applications of DAX to solve complex tasks. Often a task seems complex due to a lack of understanding, or a misunderstanding of core principles, and how certain components interact with each other. The authors of this book use solutions and examples to teach you how to solve complex problems. They explain the intricate workings of important concepts such as Filter Context and Context Transition. Explanation is given to how, through combining building blocks of DAX (such as measures, table filtering, and data lineage), Power BI can yield impressive analytical power. Throughout Pro Dax with Power BI these building blocks are used to create and compose solutions for advanced DAX problems so you can independently build solutions to your own complex problems, and gain valuable insight from your data. What You'll Learn Understand the intricate workings of DAX to solve advanced problems...
Deconstruct problems into manageable parts in order to create your own recipes. Apply predefined solutions for addressing problems, and link back step-by-step to the mechanics of DAX, to know the foundation of this powerful query language. Get fully on board with DAX, a new and evolving language, by learning best practices.

Who This Book Is For

Anyone who wants to use Power BI to build advanced and complex models. Some experience writing DAX is helpful, but not essential if you have experience with other data query languages such as MDX or SQL.


Written by a Microsoft MVP, this book teaches you the practical skills to take the most of DAX from whatever angle you'd like to approach it. It's written for data analysts using Power BI or Power Pivot, BI developers targeting Analysis Services Tabular, and in general anyone who's interested in DAX. You'll learn DAX methodically with self-paced lessons that build upon your previous knowledge to introduce progressively more challenging concepts. Each lesson starts with providing the necessary theoretical background, followed by step-by-step exercises. Most lessons are five to six pages long, and it should take you no more than 15 minutes to complete the practices. Do one lesson per day and become a DAX expert in a month! The book page at https://prologic.com/daxbook provides sample chapters, source code, and a discussion forum where the author welcomes your feedback and questions. WHAT'S INSIDE: CALCULATED COLUMNS Create custom columns Navigate relationships Assemble dashboards with a few clicks Aggregate and rank data Implement groups and bins Create calculated tables MEASURES Implicit and explicit measures Work with user selection Create variables Overwrite filter context Group data Apply time intelligence QUERIES Create and test DAX queries Implement query measures Analyze query performance Implement paginated reports ADVANCED TOPICS Recursive relationships Many-to-many relationships Virtual relationships Different join types Data security patterns and much more ...

Data Mashup with Microsoft Excel Using Power Query and M-Adam Aspin 2020-08-14

Master the art of loading external data into Excel for use in reporting, charting, dashboarding, and business intelligence. This book provides a complete and thorough explanation of Microsoft Excel’s Get and Transform feature set, showing you how to connect to a range of external databases and other data sources to find data and pull that data into your local spreadsheet for further analysis. Leading databases are covered, including Microsoft Azure data sources and web sources, and you will learn how to access those sources from your Microsoft Excel spreadsheets. Getting data into Excel is a prerequisite for using Excel's analytics capabilities. This book takes you beyond copying and pasting by showing you how to connect to your corporate databases that are hosted in the Azure cloud, and how to pull data from Oracle Database and SQL Server, and other sources. Accessing data is only half the problem, and the other half involves cleansing and rearranging your data to make it useful in spreadsheet form. Author Adam Aspin shows you how to create datasets and transformations. For advanced problems, there is help on the M language that is built into Excel, specifically to support mashing up data in support of business intelligence and analysis. If you are an Excel user, you won't want to be without this book that teaches you to extract and prepare external data ready for use in what is arguably the world’s leading analytics tool. What You Will Learn Connect to a range of external data, from databases to Azure sources Ingest data directly into your spreadsheets, or into PowerPivot data models Cleanse and prepare external data so it can be used inside Excel Refresh data quickly and easily to always have the latest information Transform data into ready-to-use structures that fit the spreadsheet format Execute M language functions for complex data transformations
sources—including the Microsoft Azure platform—in order to create business intelligence reporting, dashboards, and visualizations. For Excel users needing to cleanse and rearrange such data to meet their own, specific needs.

Microsoft Power Bi Cookbook-Brett Powell 2017-09-27 Get more out of Microsoft Power BI turning your data into actionable insightsAbout This Book* From connecting to your data sources to developing and deploying immersive, mobile-ready dashboards and visualizations, this book covers it all* Over 90 hands-on, technical recipes, tips, and use cases from across the Power BI platform including the Power BI Service and Mobile Applications* Proven development techniques and guidance for implementing custom solutions with DAX and M languagesWho This Book Is ForThis book is for BI professionals who wish to enhance their knowledge of Power BI beyond and to enhance the value of the Power BI solutions they deliver to business users. Those who are looking at quick solutions to common problems while using Power BI will also find this book to be a very useful resource. Some experience with Power BI will be useful. What You Will Learn* Cleanse, stage, and integrate your data sources with Power BI* Abstract data complexities and provide users with intuitive, self-service BI capabilities* Build business logic and analysis into your solutions via the DAX programming language and dynamic, dashboard-ready calculations* Take advantage of the analytics and predictive capabilities of Power BI* Make your solutions more dynamic and user specific and/or defined including use cases of parameters, functions, and row level security* Understand the differences and implications of DirectQuery, Live Connections, and Import-Mode Power BI datasets and how to deploy content to the Power BI Service and schedule refreshes* Integrate other Microsoft data tools such as Excel and SQL Server Reporting Services into your Power BI solution In DetailMicrosoft Power BI is a business intelligence and analytics platform consisting of applications and services designed to provide coherent, visual and interactive insights of data. This book will provide thorough, technical examples of using all primary Power BI tools and features as well as demonstrate high impact end-to-end solutions that leverage and integrate these technologies and services. Get familiar with Power BI development tools and services, go deep into the data connectivity and transformation, modeling, visualization and analytical capabilities of Power BI, and see Power BI's functional programming languages of DAX and M come alive to deliver powerful solutions to address common, challenging scenarios in business intelligence. This book will excite and empower you to get more out of Power BI via detailed recipes, advanced design and development tips, and guidance on enhancing existing Power BI projects. Style and approach This book consists of practical recipes on Power BI that target novices as well as intermediate Power BI users. It goes deep into the technical issues, covers additional protocols, and many more real-live examples.

Power BI i Excel-Torsten Larsson 2015

Power BI-Daniel Jones 2021-03-10 Power BI is the most powerful analysis tool on the market. With it, you can make quick analyses and reports, from the simplest to the most complex. By mastering Power BI, you can become an expert in the industry by creating interactive dashboards automatically, without having to do repetitive and manual work in Excel. 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 will 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 use Excel to Publish into Power BI Desktop, Working with R Scripts, 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 you can hit that Buy Now button to get started.

Mastering Microsoft Power BI - Brett Powell (2018-03-29) This book will show you how to use Power BI effectively to create a variety of visualizations and BI dashboards. Right from gathering data through various data sources, you will learn to perform effective visual analytics. By the end of this book, you will be able to gain unique, hidden insights into your data using Microsoft Power BI.

Collect, Combine, and Transform Data Using Power Query in Excel and Power BI - Gil Raviv (2018-10-23) Using Power Query, you can import, reshape, and cleanse any data from a simple interface, so you can mine that data for all of its hidden insights. Power Query is embedded in Excel, Power BI, and other Microsoft products, and leading Power Query expert Gil Raviv will help you make the most of it. Discover how to eliminate time-consuming manual data preparation, solve common problems, avoid pitfalls, and more. Then, walk through several complete analytics challenges, and integrate all your skills in a realistic chapter-length final project. By the time you finish, you'll be ready to wrangle any data—and transform it into actionable knowledge. Prepare and analyze your data the easy way, with Power Query · Quickly prepare data for analysis with Power Query in Excel (also known as Get & Transform) and in Power BI · Solve common data preparation problems with a few mouse clicks and simple formula edits · Combine data from multiple sources, multiple queries, and mismatched tables · Master basic and advanced techniques for unpivoting tables · Customize transformations and build flexible data mashups with the M formula language · Address collaboration challenges with Power Query · Gain crucial insights into text feeds · Streamline complex social network analytics so you can do it yourself For all information workers, analysts, and any Excel user who wants to solve their own business intelligence problems.

Excel Business Intelligence Part 1: Power Query - Chris Dutton (2018) 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.
Power BI 2020-05-08

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. 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 manage the data sources in Power BI, Q&A for Natural Language Query, Power BI Architecture, Publishing & Scheduling Reports, etc. The book has individual chapters for Power BI Desktop functionalities, Power BI real-time dashboard, Report Generation & Mail, Dynamic low-level security, Toggle buttons, Tooltip features, and more. This book will help you learn the navigation pane, dashboard tiles, designer files, sorting data, scheduling automatic refreshes, and report generation using visualization. You will get to learn exciting details on how to integrate Power BI with SharePoint and Dynamics 365 with a detailed description. After learning the above, you will be able to create a Power BI report and publish them on SharePoint easily. A chapter on Power Query is specifically designed to cover the ETL Process and how you can use it to extract, transform, and effectively load data. It also covers filters and slicers used in Power BI reports. You will be able to implement all the functions in a practical manner.

Microsoft Power BI Cookbook- Brett Powell 2017-09-27

Get more out of Microsoft Power BI turning your data into actionable insights. About This Book From connecting to your data sources to developing and deploying immersive, mobile-ready dashboards and visualizations, this book covers it all. Over 90 hands-on, technical recipes, tips, and use cases from across the Power BI platform including the Power BI Service and Mobile Applications. Proven development techniques and guidance for implementing custom solutions with DAX and M languages. Who This Book Is For This book is for BI professionals who wish to enhance their knowledge of Power BI beyond and to enhance the value of the Power BI solutions they deliver to business users. Those who are looking at quick solutions to common problems while using Power BI will also find this book to be a very useful resource. Some experience with Power BI will be useful. What You Will Learn Cleanse, stage, and...
integrate your data sources with Power BI. Abstract data complexities and provide users with intuitive, self-service BI capabilities. Build business logic and analysis into your solutions via the DAX programming language and dynamic, dashboard-ready calculations. Take advantage of the analytics and predictive capabilities of Power BI. Make your solutions more dynamic and user-specific and/or defined including use cases of parameters, functions, and row level security. Understand the differences and implications of DirectQuery, Live Connections, and Import-Mode Power BI datasets and how to deploy content to the Power BI Service and schedule refreshes. Integrate other Microsoft data tools such as Excel and SQL Server Reporting Services into your Power BI solution. In Detail Microsoft Power BI is a business intelligence and analytics platform consisting of applications and services designed to provide coherent, visual and interactive insights of data. This book will provide thorough, technical examples of using all primary Power BI tools and features as well as demonstrate high impact end-to-end solutions that leverage and integrate these technologies and services. Get familiar with Power BI development tools and services, go deep into the data connectivity and transformation, modeling, visualization and analytical capabilities of Power BI, and see Power BI's functional programming languages of DAX and M come alive to deliver powerful solutions to address common, challenging scenarios in business intelligence. This book will excite and empower you to get more out of Power BI via detailed recipes, advanced design and development tips, and guidance on enhancing existing Power BI projects. Style and approach This book consists of practical recipes on Power BI that target novices as well as intermediate Power BI users. It goes deep into the technical issues, covers additional protocols, and many more real-live examples.

Microsoft Power BI Complete Reference-Devin Knight 2018-12-21 Design, develop, and master efficient Power BI solutions for impactful business insights. Key Features Get to grips with the fundamentals of Microsoft Power BI Combine data from multiple sources, create visuals, and publish reports across platforms. Understand Power BI concepts with real-world use cases. Book Description Microsoft Power BI Complete Reference Guide gets you started with business intelligence by showing you how to install the Power BI toolset, design effective data models, and build basic dashboards and visualizations that make your data come to life. In this Learning Path, you will learn to create powerful interactive reports by visualizing your data and learn visualization styles, tips and tricks to bring your data to life. You will be able to administer your organization's Power BI environment to create and share dashboards. You will also be able to streamline deployment by implementing security and regular data refreshes. Next, you will delve deeper into the nuances of Power BI and handling projects. You will get acquainted with planning a Power BI project, development, and distribution of content, and deployment. You will learn to connect and extract data from various sources to create robust datasets, reports, and dashboards. Additionally, you will learn how to format reports and apply custom visuals, animation and analytics to further refine your data. By the end of this Learning Path, you will learn to implement the various Power BI tools such as on-premises gateway together along with staging and securely distributing content via apps. This Learning Path includes content from the following Packt products: Microsoft Power BI Quick Start Guide by Devin Knight et al. Mastering Microsoft Power BI by Brett Powell. What you will learn Connect to data sources using both import and DirectQuery options. Leverage built-in and custom visuals to design effective reports. Administer a Power BI cloud tenant for your organization. Deploy your Power BI Desktop files into the Power BI Report Server. Build efficient data retrieval and transformation processes. Who this book is for Microsoft Power BI Complete Reference Guide is for those who want to learn and use the Power BI features to extract maximum information and make intelligent decisions that boost their business. If you have a basic understanding of BI concepts and want to learn how to apply them using Microsoft Power BI, then Learning Path is for you. It consists of real-world examples on Power BI and goes deep into the technical issues, covers additional protocols, and much more.
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