

Dashboarding And Reporting With Power Bi Desktop And Excel How To Design And Create A Financial Dashboard With Powerpivot Aeur End To End Pdf Pdf

[Dashboarding And Reporting With Power Bi Desktop And Excel How To Design And Create A Financial Dashboard With Powerpivot Aeur End To End Pdf Pdf](#) - Decoding **dashboarding and reporting with power bi desktop and excel how to design and create a financial dashboard with powerpivot aeur end to end pdf pdf**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**dashboarding and reporting with power bi desktop and excel how to design and create a financial dashboard with powerpivot aeur end to end pdf pdf**," a mesmerizing literary creation penned with a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership. Right here, we have countless ebook **dashboarding and reporting with power bi desktop and excel how to design and create a financial dashboard with powerpivot aeur end to end pdf pdf** and collections to check out. We additionally find the money for variant types and also type of the books to browse. The up to standard book, fiction, history, novel, scientific research, as with ease as various new sorts of books are readily user-friendly here.

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Reports, Dashboards and Apps Using Microsoft Power Platform Sivakumar Harinath 2020-08-04 Teaches Excel, Tableau, and Qlikview users how to get the most insight and analysis from Microsoft's Power Platform suite for data analysis and visualization Microsoft Power Platform enables users to visualize data and share insights throughout an entire organization. Able to connect to any source on-premises or in the cloud, this powerful business analytics solution is rated as a leader in Gartner's Business Intelligence Magic Quadrant—ranking ahead of Tableau and Qlik. Reports, Dashboards and Apps Using Microsoft Power Platform helps readers understand the Power Platform suite, adopt and adapt the products based on their business needs, and transform how their organizations gain insights about business process optimization. Written by members of the Microsoft team that built Power Platform, this authoritative book instructs readers on the effective, hands-on use of these technologies. Excel users seeking to upgrade for better analysis and visualization and Tableau or Qlikview users looking to integrate with Power Platform more easily will find the information invaluable. This book enables readers to: Prepare data models and author reports Create dashboards Manage dashboards and at enterprise scale Use Power Apps to create actionable insights Automate processes using Microsoft Flow Reports, Dashboards and Apps Using Microsoft Power Platform is an essential guide for Business Intelligence professionals, analysts, data scientists, developers, and Excel, Tableau, and Qlikview power users.

Learn Power BI Greg Deckler 2019-09-13 Solve business challenges with Microsoft Power BI's advanced visualization and data analysis techniques Key FeaturesCreate effective storytelling reports by implementing simple-to-intermediate Power BI featuresDevelop powerful analytical models to extract key insights for changing business needsBuild, publish, and share impressive dashboards for your organizationBook DescriptionTo succeed in today's transforming business world, organizations need business intelligence capabilities to make smarter decisions faster than ever before. This Power BI book is an entry-level guide that will get you up and running with data modeling, visualization, and analytical techniques from scratch. You'll find this book handy if you want to get well-versed with the extensive Power BI ecosystem. You'll start by covering the basics of business intelligence and installing Power BI. You'll then learn the wide range of Power BI features to unlock business insights. As you progress, the book will take you through how to use Power Query to ingest, cleanse, and shape your data, and use Power BI DAX to create simple to complex calculations. You'll also be able to add a variety of interactive visualizations to your reports to bring your data to life. Finally, you'll gain hands-on experience in creating visually stunning reports that speak to business decision makers, and see how you can securely share these reports and collaborate with others. By the end of this book, you'll be ready to create simple, yet effective, BI reports and dashboards using the latest features of Power BI. What you will learnExplore the different features of Power BI to create interactive dashboardsUse the Query Editor to import and transform dataPerform simple and complex DAX calculations to enhance analysisDiscover business insights and tell a story with your data using Power BIExplore data and learn to manage datasets, dataflows, and data gatewaysUse workspaces to collaborate with others and publish your reportsWho this book is for If you're an IT manager, data analyst, or BI user new to using Power BI for solving business intelligence problems, this book is for you. You'll also find this book useful if you want to migrate from other BI tools to create powerful and interactive dashboards. No experience of working with Power BI is expected.

Learn Power BI Greg Deckler 2022-02-18 Learn how to use Power BI to deliver the insights needed to help your enterprise survive and thrive Key FeaturesLearn simple through to advanced Power BI features in a clear, concise way using real-world examplesDevelop powerful analytical models and reports that extract key business insightsPublish, share and collaborate on impressive reports, dashboards, apps, and goalsBook DescriptionTo succeed in today's transforming business world, organizations need business intelligence capabilities to make smarter decisions faster than ever before. This updated second edition of Learn Power *Dashboarding And Reporting With Power Bi Desktop And Excel How To Design And Create A Financial Dashboard With Powerpivot Aeur End To End Pdf Pdf* upload Donald I Paterson

BI takes you on a journey of data exploration and discovery, using Microsoft Power BI to ingest, cleanse, and organize data in order to unlock key business insights that can then be shared with others. This newly revised and expanded edition of Learn Power BI covers all of the latest features and interface changes and takes you through the fundamentals of business intelligence projects, how to deploy, adopt, and govern Power BI within your organization, and how to leverage your knowledge in the marketplace and broader ecosystem that is Power BI. As you progress, you will learn how to ingest, cleanse, and transform your data into stunning visualizations, reports, and dashboards that speak to business decision-makers. By the end of this Power BI book, you will be fully prepared to be the data analysis hero of your organization - or even start a new career as a business intelligence professional. What you will learnGet up and running quickly with Power BIUnderstand and plan your business intelligence projectsConnect to and transform data using Power QueryCreate data models optimized for analysis and reportingPerform simple and complex DAX calculations to enhance analysisDiscover business insights and create professional reportsCollaborate via Power BI dashboards, apps, goals, and scorecardsDeploy and govern Power BI, including using deployment pipelinesWho this book is for If you're an IT manager, data analyst, or BI user new to using Power BI for solving business intelligence problems, this book is for you. You'll also find this book helpful if you want to migrate from other BI tools to create powerful and interactive dashboards. No experience of working with Power BI is expected.

Power BI Step-By-Step Part 2 Grant Gamble 2018-07-21 Self-Service Business Intelligence Power BI enables business users to interact with corporate information and to extract the reports and intel they need. Power BI allows users to access reports and dashboards using familiar tools and devices. Self-service BI has never been so user-friendly! The Microsoft Power BI Step-by-Step series will show you how to create compelling visualizations and reports which provide deep insights into your data. This first book in the series is designed to get you up and running with the three main components of Power BI: Power BI Desktop the Power BI Service and Power BI Mobile Apps. What you will Learn from the Power BI Step-by-Step Series You will learn how to connect to a wide variety of data sources, using both Power BI Desktop, and the Power BI Service. You will be able to use the Query Editor to transform and morph data into the right format for your reporting purposes. You will be able to perform complex data modelling operations using relationships, calculated columns, measures, and DAX expressions. You will learn how to share dashboards and reports, with colleagues, business partners and potential clients; and how to use Power BI's sophisticated security features to control the exact content your audience is able to view. In short, the Power BI Step-by-Step series will equip you with all the skills you need to start using Power BI with confidence. Part 2: Connecting to Data Sources The aim of this second book in the series is explore Power BI data connections. However, these tutorials will also provide some further practice on report creation. Introduction Chapter 1: Connecting to Text Files Overview of the Query Editor Closing and Reopening the Query Settings Pane Renaming a Query Using the Query Settings Buttons Applying Changes Made in the Query Editor Editing an Existing Query Conclusion Chapter 2: Connecting to Excel DataWorksheets, Tables and Name Ranges Importing Excel Objects into Power BI Recognizing the Icons Conclusion Chapter 3: Connecting to a Folder of Data Benefits of Connecting to a Folder Connecting to the Folder Updating the Folder Conclusion Chapter 4: Connecting to Web Data Examining the Source Data Connecting to the Excel Data Connecting to the Currency Exchange Rate Data Query Editor: Remove Columns Query Editor: Use First Row as Headers Query Editor: Filtering out Unwanted Rows Query Editor: Renaming a Query Query Editor: Creating a Custom Column Adding a Report Background Image Automatic Detection of Relationships Using the Table Visual Creating Calculated Columns Using the Slicer Visual Conclusion Chapter 5: Connecting to SQL Server Getting Set Up Comparing the Database to the Data Model Importing SQL Server Views Authentication Mode Enhancing the Data Model Refreshing Imported SQL Server Data Import Versus DirectQuery Refreshing DirectQuery SQL Server Data Connecting to Database Tables Using SQL Statements Leveraging Query Folding Query Folding and Native

Queries Monitoring Query Folding Conclusion Next Steps

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.

Microsoft Power BI Desktop - Creating Visual Reports Jeff Hutchinson 2019-07-20 In this workbook/guide, we will cover in Detail the Power BI Desktop features (installed on your local computer) that can be used to create a Dashboard of different Visual Reports describing related tables. We will take students through a step-by-step process, concerning the capabilities including the following: Power BI Tools - The workbook will cover the related tools and downloads including Power BI Desktop, Power BI Web Service, Power BI for Mobile, Power BI Publisher For Excel, Power BI Gateway, and Power BI Report Server. Process Overview - Here, we will take you through the process from Getting Data, Query Editor, Data View, Relationships, Visual Reports, Formatting, Filtering, Publishing on the Web to creating a Dashboard. Get Data - This will extract the data source from a database such as Excel, Access, etc. Query Editor - This will allow you to review data extracted and filter or remove specific records prior to saving it to the Power BI file. Data View - This will allow you to review structure of the data extracted and add additional fields as needed. Relationships - This will allow multiple tables to be added and related to a data source in order to obtain an accurate result when different fields are used. Visual Reports - This will generate different reports describing the data from different tables. These reports include Charts, Tables, Summary Information, Maps, etc. Filter Report - Once you create a report, it can be filtered to display the desired information. Format Report - Once you create a report, it can be formatted with any options available. Publish Report - Once reports are complete, they can be Published to a web browser version of Power BI and shared with others on the internet. Create A Dashboard - Once reports are Published, they can be organized into a Dashboard layout for others to preview.

***** What's is in the workbook? Video Clips - The Kindle version includes video clips for each practice exercise. You can request the Videos with your paperback book Amazon receipt. Take A Class - When you take a class using the workbook, you will be able to ask questions and gain a deeper understanding of many important concepts. <http://www.elearnlogic.com/courseware.html> Highly Requested Topics - The following are topics covered in the workbook: Automatically Find Clusters, Edit Interactions, Drill Down for more detail, New Hierarchy, Drill Through, Conditional Formatting, New Group, Visual Report Tab Order, New Filter Experience, New Modeling View, Query Editor, New Measure, Data Source Relationships, and the Publishing process.

Pro Power BI Desktop Adam Aspin 2017-12-08 Deliver eye-catching Business Intelligence with Microsoft Power BI Desktop. This new edition has been updated to cover all the latest features, including combo charts, Cartesian charts, trend lines, use of gauges, and more. Also covered are Top-N features, the ability to bin data into groupings and chart the groupings, and new techniques for detecting and handling outlier data points. You can take data from virtually any source and use it to produce stunning dashboards and compelling reports that will seize your audience's attention. Slice and dice the data with remarkable ease and then add metrics and KPIs to project the insights that create your competitive advantage. Make raw data into clear, accurate, and interactive information with Microsoft's free self-service business intelligence tool. Pro Power BI Desktop shows you how to choose from a wide range of built-in and third-party visualization types so that your message is always enhanced. You'll be able to deliver those results on the PC, tablets, and smartphones, as well as share results via the cloud. This book helps you save time by preparing the underlying data correctly without needing an IT department to prepare it for you. What You'll Learn Deliver attention-grabbing information, turning data into insight Mash up data from multiple sources into a cleansed and coherent data model Create dashboards that help in monitoring key performance indicators of your business Build interdependent charts, maps, and tables to deliver visually stunning information Share business intelligence in the cloud without involving IT Deliver visually stunning and interactive charts, maps, and tables Find new insights as you chop and tweak your data as never before Adapt delivery to mobile devices such as phones and tablets Who This Book Is For Everyone from CEOs and Business Intelligence developers to power users and IT managers

Microsoft Power BI For Dummies Jack A. Hyman 2022-02-08 Reveal the insights behind your company's data with Microsoft Power BI Microsoft Power BI allows intuitive access to data that can power intelligent business decisions and insightful strategies. The question is, do you have the Power BI skills to make your organization's numbers spill their secrets? In Microsoft Power BI For Dummies, expert lecturer, consultant, and author Jack Hyman delivers a start-to-finish guide to applying the Power BI platform to your own firm's data. You'll discover how to start exploring your data sources, build data models, visualize your results, and create compelling reports that motivate decisive action. Tackle the basics of Microsoft Power BI and, when you're done with that, move on to advanced functions like accessing data with DAX and app integrations Guide your organization's direction and decisions with rock-solid conclusions based on real-world data Impress your bosses and confidently lead your direct reports with exciting insights drawn from Power BI's useful visualization tools It's one thing for your company to have data at its disposal. It's another thing entirely to know what to do with it. Microsoft Power BI For Dummies is the straightforward blueprint you need to apply one of the most powerful business intelligence tools on the market to your firm's existing data.

Mastering Power BI Chandraish Sinha 2021-09-11 Expert Choice to build Business Intelligence landscapes and dashboards for Enterprises KEY FEATURES ● In-depth knowledge of Power BI, demonstrated through step-by-step exercises. ● Covers data modelling, visualization, and implementing security with complete hands-on training. ● Includes a project that simulates a realistic business environment from start to finish. DESCRIPTION Mastering Power BI covers the entire Power BI implementation process. The readers will be able to understand all the concepts covered in this book, from data modelling to creating powerful - visualizations. This book begins with the concepts and terminology such as Star-Schema, dimensions and facts. It explains about multi-table dataset and demonstrates how to load these tables into Power BI. It shows how to load stored data in various formats and create relationships. Readers will also learn more about Data Analysis Expressions (DAX). This book is a must for the developers wherein they learn how to extend the usability of Power BI, to explore meaningful and hidden data insights. Throughout the book, you keep on learning about the concepts, techniques and expert practices on loading and shaping data, visualization design and security implementation. WHAT YOU WILL LEARN ● Learn about Business Intelligence (BI) concepts and its contribution in business analytics. ● Learn to connect, load, and transform data from disparate data sources. ● Start creating and executing powerful DAX calculations. ● Design various visualizations to prepare insightful reports and dashboards. WHO THIS BOOK IS FOR This book is for anyone interested in learning how to use Power BI desktop or starting a career in Business Intelligence and Analytics. While this covers all the fundamentals, it is recommended that the reader be familiar with MS-Excel and database concepts. TABLE OF CONTENTS 1. Understanding the Basics 2. Connect and Shape 3. Optimize your datamodel 4. Data Analysis Expressions (DAX) 5. Visualizations in Power BI 6. Power BI Service 7. Securing your application

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 **Dashboarding And Reporting With Power BI Desktop And Excel How To Design And Create A Financial Dashboard With Powerpivot Aeur End To End Pdf Pdf upload Donald I Paterson**

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.

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/>.

Power BI Mike Morris 2019-09-12 Make the most of your data with Microsoft Power Bis data visualization tools! Understand the business intelligence capabilities Power Bi offers: Build dashboards, reports and models and put your data to work. Power Bi is a cloud-based service provided by Microsoft to help you gain intelligent insight from your data. This guide is designed to help you understand what Power Bi is capable of, how to use the toolset to understand your data and produce reports. You will also learn how to build a dashboard and visualize your data, enabling you to make better decisions for your business. You will learn how to get data from different sources, how to clean it and how to design data models to explore your data plus well explore DAX formulas on your data to make it easier to work with. One of the key concepts of this book is data visualization and you will learn styles and techniques for digital storytelling. In short, this guide will take you step by step through Microsoft Power Bi, teaching you how to use your Power BI environment to ensure seamless deployment, smooth data refreshes, and full security implementation. By the end of the book, you will have learned: What Power Bi is and how it works How to use Query Editor for transforming and cleaning data How to use DirectQuery and import options for data source connections How to build optimal models using DAX formulas and calculations How to design reports using visuals How to build and use a dashboard How to use Natural Language Queries How to use Power Bi Desktop And much more Don't delay. Let your organization take full advantage of everything Power Bi has to offer by clicking the Buy Now button above.

Power BI Academy - Healthcare Create And Learn 2019-09-26 "Excellent hands-on introduction to Power Bi" "Great way to learn Power BI" Power BI Academy is a series of short books that help students and professionals improve their Power Business Intelligence (BI) knowledge by creating professional dashboards through easy step-by-step instructions. Through this series, you will have the opportunity to work with datasets, metrics, and Key Performance Indicators (KPIs) from a wide range of industries, helping you become a valuable resource to any team and industry. In this book, Power BI Academy vol.2 - Healthcare, which has over 200 images, you will learn to create a unique Dashboard for the Healthcare Industry. You go through important topics of Microsoft Power BI Desktop, a Free BI tool from Microsoft. You will learn how to install Power BI Desktop, get data from Excel, model your Data, work with visuals and reports, create a Patient Overview Dashboard, and share your work. We will not go into deep theories as to the purpose of this book, and all Create and Learn material is to make the most of your time and learn by doing. You will follow step-by-step instructions to create a professional Healthcare Dashboard to help you rapidly increase your knowledge. I also hope this book will help start your journey in the Business Intelligence world and provide the necessary tools to create professional reports and dashboards using Microsoft Power BI. Check my other books: Power BI - Business Intelligence Clinic Excel - Business Intelligence Clinic Tableau - Business Intelligence Clinic

Pro Power BI Desktop Adam Aspin 2020-06-11 Deliver eye-catching and insightful business intelligence with Microsoft Power BI Desktop. This new edition has been updated to cover all the latest features of Microsoft's continually evolving visualization product. New in this edition is help with storytelling—adapted to PCs, tablets, and smartphones—and the building of a data narrative. You will find coverage of templates and JSON style sheets, data model annotations, and the use of composite data sources. Also provided is an introduction to incorporating Python visuals and the much awaited Decomposition Tree visual. Pro Power BI Desktop shows you how to use source data to produce stunning dashboards and compelling reports that you mold into a data narrative to seize your audience's attention. Slice and dice the data with remarkable ease and then add metrics and KPIs to project the insights that create your competitive advantage. Convert raw data into clear, accurate, and interactive information with Microsoft's free self-service BI tool. This book shows you how to choose from a wide range of built-in and third-party visualization types so that your message is always enhanced. You will be able to deliver those results on PCs, tablets, and smartphones, as well as share results via the cloud. The book helps you save time by preparing the underlying data correctly without needing an IT department to prepare it for you. What You Will Learn Deliver attention-grabbing information, turning data into insight Find new insights as you chop and tweak your data as never before Build a data narrative through interactive reports with drill-through and cross-page slicing Mash up data from multiple sources into a cleansed and coherent data model Build interdependent charts, maps, and tables to deliver visually stunning information Create dashboards that help in monitoring key performance indicators of your business Adapt delivery to mobile devices such as phones and tablets Who This Book Is For Power users who are ready to step up to the big leagues by going beyond what Microsoft Excel by itself can offer. The book also is for line-of-business managers who are starved for actionable data needed to make decisions about their business. And the book is for BI analysts looking for an easy-to-use tool to analyze data and share results with C-suite colleagues they support.

Pro Power BI Theme Creation Adam Aspin 2023-09-13 Use JSON theme files to standardize the look of Power BI dashboards and reports. This book shows how you can create theme files using the Power BI Desktop application to define high-level formatting attributes for dashboards as well as how to tailor detailed formatting specifications for individual dashboard elements in JSON files. Standardize the look of your dashboards and apply formatting consistently over all your reports. The techniques in this book provide you with tight control over the presentation of all aspects of the Power BI dashboards and reports that you create. Power BI theme files use JSON (JavaScript Object Notation) as their structure, so the book includes a brief introduction to JSON as well as how it applies to Power BI themes. The book further includes a complete reference to all the current formatting definitions and JSON structures that are at your disposal for creating JSON theme files up to the May 2023 release of Power BI Desktop. Finally, the book includes dozens of theme files, from the simple to the most complex, that you can adopt and adapt to suit your own requirements. What You Will Learn Produce designer output without manually formatting every individual visual in a Power BI dashboard Standardize presentation for families of dashboard types Switch presentation styles in a couple of clicks Save dozens, or hundreds, of hours laboriously formatting dashboards Define enterprise-wide presentation standards Retroactively apply standard styles to existing dashboards Who This Book Is For Power BI users who want to save time by defining standardized formatting for their dashboards and reports, IT professionals who want to create corporate standards of dashboard presentation, and marketing and communication specialists who want to set organizational standards for dashboard delivery. **Power BI DAX Simplified** Reza Rad 2021-07-18 DAX is the language of data analysis in Microsoft Power BI, Azure Analysis Services, and Excel Power Pivot. DAX is a powerful language that can quickly empower you to analyze year-over-year or rolling 12 months calculations. It is rare to find an analytics solution using Microsoft technologies (especially Power BI) that doesn't require some calculations to be written by DAX. As a Power BI (or Microsoft BI) developer, it is essential to learn this language and master it. Learning a language is not just learning the structure and functions. It is learning how, where, and when to use it so that you can solve real-world problems with it. In my training and consulting experience on Power BI, I realized that DAX is the weak point for many Power BI users. DAX itself is not a complex language. It is merely a language of expression. The complexity of learning DAX is not the formula or the functions. It is how to use it in real-world scenarios and how it performs on a dataset or visual. I have been writing many blogs about DAX for many years. My blog articles are all coming from my experience working with Power BI. I found it helpful to compile them all in a book. Because my blog articles practically explain things, I thought it better to title it

as a practical way of learning DAX by examples. Indeed, there are books, articles, and Microsoft documentation on how each function works where and how. However, learning these through an example would bring a new way of understanding it. A good analytics solution is a combined outcome of a good data model, good data preparation, and good analytics and calculations. I have written another book about the Basics of modeling in Power BI. This book is covering the calculation and DAX aspects of it. This book is for you if you are building a Power BI solution. Even if you are just visualizing the data, calculations are an essential part of analytics. You do need to have the calculation ready before visualizing it. This is not a book to explain every single function in DAX. The approach in this book is to have practical examples. Every chapter is based on real-world examples of using a combination of functions to solve a challenge. You can start from any chapter and finish at any chapter. The order of chapters suggested in this book is just a guideline to help you have a smooth flow of topics. Each chapter can be read without needing other chapters. Examples of this book are designed in a way that you can use the learning straight away in your Power BI file.

Dashboarding and Reporting with Power Pivot and Excel Kasper de Jonge 2014-07-01 Microsoft's revolutionary Power Pivot is a tool that allows users to create and transform data into reports and dashboards in new and much more powerful ways using the most-used analytical tool in the world: Excel. This book, written by a member of Microsoft's Power Pivot 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 Excel, 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. Accessibly written, this book offers readers a practical, real-world scenario and can be used as a day-to-day reference. Though the guide focuses on Power Pivot for Excel 2010, a chapter that discusses Power View—compatible with Excel 2013— and Power BI is also included.

Microsoft Power BI Desktop Jeff Hutchinson 2018-04-30 In this course, we will explain Power BI Desktop features (installed on your local computer) that can be used to create a Dashboard of different reports describing related tables. We will take students through a step-by-step process displaying all capabilities including Getting Data, Query Editor, Data View, Relationships, Visual Reports, Formatting, Filtering, Publishing on the Web, and Creating a Dashboard. The final step will require posting the Dashboard on the internet to be shared with others. What's in the workbook? Click on the left side of the screen: Look Inside! Enter one of the following keywords: Getting Data, Query Editor, Data View, Relationships, Visual Reports, Formatting, Filtering, Publishing, Dashboard, etc. Take A Class:

<http://www.elearnlogic.com/download/schedule18.pdf> The following process will be covered: Power BI Process Overview - Here, we will describe the Power BI program, how to download it, and how it relates to the online Power BI tools. We will also discuss terminology and the overall process to create a Dashboard. You will need to install Power BI Desktop in order to attend the class. Go to <http://PowerBI.com/pricing> to get your free download. Get Data - This will extract the data source from a database such as Excel, Access, etc. Query Editor - This will allow us to review the data extracted and filter or remove specific records prior to saving them to the Power BI file. Data View - This will allow us to review the structure of the data extracted and add additional fields as needed. These new fields can be used for establishing relationships or creating new fields. Relationships - This will allow the different tables to display how data is tied together. Please note that storing all data into a single table isn't as efficient as storing data in separate tables containing specific information. Visual Report - This will generate different reports describing the data from different tables. These reports will include Charts, Matrix, Tables, Summary Information, Maps, etc. Filter Report - Once a report is created, it can be filtered to display desired information. Format Report - Once a report is created, it can be formatted to display a desired layout. Publish Report - Once reports are complete, they can be published to a web browser version of Power BI and shared with others on the internet. Create A Dashboard - Once reports are published, they can be organized into a Dashboard layout for others to preview. Specific Dashboards can be created describing different sets of data in each of the tables. Design Strategy This workbook is designed in conjunction with an Online-Instructor-Led course (for more information see: www.elearnlogic.com). Unlike other computer guides, students will not need to review lengthy procedures in order to understand a topic. All that is necessary are the brief statements and command paths located within the guide that demonstrate how a concept is used. There are many Step-By-Step Practice Exercises and more comprehensive Student Projects offered to help students better understand concepts. Furthermore, they will find that this workbook/guide can often be used as a reference to help them understand concepts quickly and thoroughly. An index is also provided on the last page to reference important topics as necessary. However, if more detail is needed for study, the Internet can be used, as well, to search a concept. Also, if student's skills are weak due to lack of implementation, they can refresh their knowledge quickly by visually scanning concepts of choice, and then testing them out using the application.

Pro Power BI Desktop Adam Aspin 2020-08-16 Deliver eye-catching and insightful business intelligence with Microsoft Power BI Desktop. This new edition has been updated to cover all the latest features of Microsoft's continually evolving visualization product. New in this edition is help with storytelling—adapted to PCs, tablets, and smartphones—and the building of a data narrative. You will find coverage of templates and JSON style sheets, data model annotations, and the use of composite data sources. Also provided is an introduction to incorporating Python visuals and the much awaited Decomposition Tree visual. Pro Power BI Desktop shows you how to use source data to produce stunning dashboards and compelling reports that you mold into a data narrative to seize your audience's attention. Slice and dice the data with remarkable ease and then add metrics and KPIs to project the insights that create your competitive advantage. Convert raw data into clear, accurate, and interactive information with Microsoft's free self-service BI tool. This book shows you how to choose from a wide range of built-in and third-party visualization types so that your message is always enhanced. You will be able to deliver those results on PCs, tablets, and smartphones, as well as share results via the cloud. The book helps you save time by preparing the underlying data correctly without needing an IT department to prepare it for you. What You Will Learn Deliver attention-grabbing information, turning data into insight Find new insights as you chop and tweak your data as never before Build a data narrative through interactive reports with drill-through and cross-page slicing Mash up data from multiple sources into a cleansed and coherent data model Build interdependent charts, maps, and tables to deliver visually stunning information Create dashboards that help in monitoring key performance indicators of your business Adapt delivery to mobile devices such as phones and tablets Who This Book Is For Power users who are ready to step up to the big leagues by going beyond what Microsoft Excel by itself can offer. The book also is for line-of-business managers who are starved for actionable data needed to make decisions about their business. And the book is for BI analysts looking for an easy-to-use tool to analyze data and share results with C-suite colleagues they support.

Microsoft Power BI Complete Reference Devin Knight 2018-12-21 Design, develop, and master efficient Power BI solutions for impactful business insights Key FeaturesGet to grips with the fundamentals of Microsoft Power BI Combine data from multiple sources, create visuals, and publish reports across platformsUnderstand Power BI concepts with real-world use casesBook 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 PowellWhat you will learnConnect to data sources using both import and DirectQuery optionsLeverage built-in and custom visuals to design effective reportsAdminister a Power BI cloud tenant for your organizationDeploy your Power BI Desktop files into the Power BI Report ServerBuild efficient data retrieval and transformation processesWho 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.

Microsoft Power BI Web and Dax Programming Jeff L. Hutchinson 2018-07-30 This workbook/guide covers Power BI Web Service and DAX Programming, a web-based tool that provides cloud services over the *Dashboarding And Reporting With Power BI Desktop And Excel How To Design And Create A Financial Dashboard With Powerpivot Aeur End To End Pdf Pdf upload Donald I Paterson*

Internet to post and view Dashboards. Individual Visual Reports are created using the Power BI Desktop tool which is installed on your local computer. Once you develop Visual Reports in Power BI Desktop, then you can use these Visual Reports to build Dashboards in the Power BI Web Service. These tools work together to describe your data sources in a Visual Report which can be updated when desired. The following topics will be covered: Overview - First, an overview of the interface and the menu system will be provided. This will enable users to switch between the different modules (described below) in order to develop a Dashboard. Dataset - This is used to store the uploaded database to the Power BI Web Service which can be interactive as the database is updated. However, it could also be cached/stored in Power BI Web Service (no connection to another source). A Dataset can be linked to multiple Visual Reports that are used to create a Dashboard. In this web-based tool, it is possible to click on a specific Dataset to create additional reports. However, it is recommended that reports be created in the Power BI Desktop. Report Workspace - This will display the Visual Reports created in Power BI Desktop as well as those created in the Power BI Web Service tool all while using the Edit Report tool (see Edit Report chapter). The reports in the Reports Workspace will be linked to a single Dataset, but they can be linked to multiple Dashboards. Filters are also available to adjust the information in the reports. Dashboard - This is the layout of different types of Visual Reports arranged together to provide a message for readers to understand. When you click on a report in the Dashboard, it is linked to the Reports Workspace which is also linked to the Datasets. When you click on a Visual Report located in the Dashboard, the report will open. Edit Report - When a report is created from a Dataset, you can use the capabilities to build multiple small Visual Reports such as Clustered Column Charts, Pie Charts, Cards to display total values, Tables of summarized data, Matrix reports, Maps, etc. Because you will want people reviewing the Visual Reports to understand the data stored in the data source, the progress, growth, or current state of the information can be displayed. Workbooks - This will allow you to upload an Excel Workbook into Power BI Web Service as the input data source for a Dashboard. Then, you can create a Visual Report in Power BI Web Service prior to applying all reports to a Dashboard. This is an alternative to publishing reports from the Power BI Desktop tool. Settings - There are adjustments that can be made to the interface to provide additional functionality. Settings to be covered include General, Dashboard, Dataset, Workbook, Alerts, and Subscriptions settings. DAX Formula - This will explain the terms, basic structure and common development techniques. Also, we will cover how create New Columns in a table, create custom calculations known as Measures, as well as to create New Tables.

***** What's in the workbook? Press Download or Click on the left side of the screen: Look Inside! Enter one of the following keywords: visual reports, dashboard, share, get data, gateway, etc. Take A Class: <http://www.elearnlogic.com/download/schedule18.pdf> **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 Demystified Elijah Falode 2021-02 Power BI Demystified enables you to master business intelligence and leverage the Power BI toolsets. It covers important concepts such as installation, creating data models, building basic dashboards, as well as visualizations so you make informed business decisions. Whether you are a business owner, analyst, or financial analyst, you would like to collate data easily, analyze it, and share it with your colleague in real-time. You would want to do this with software that is easy to operate and publishes data with good visuals in a way that you can understand. Microsoft Power BI allows you to get data from different sources, analyze it, and gives you insights on how your business performance. You can share workspaces with your colleagues, and they can easily access your business reports. It makes collaboration easy. In this book, you will find out what Power BI is, the features, the benefits, and the functions. This book also discusses the different versions of Microsoft Power BI - Power BI Server, Power BI Desktop, Power BI Pro, Power BI Premium, and Power BI Report Server. You will get to know the differences between these versions, their features, benefits, and how to set them up. You can operate these Power BI versions both on cloud and on-premise depending on the features of the versions. You can also share your workspace with as many people as you want. You will get to know which Power BI version best suits your company's needs. Power BI also allows you to ask questions about your data and gives you answers to your question. This is due to the artificial intelligence feature. It also provides you the insight you need to make informed decisions that impact your company's bottom line in a positive way. Microsoft Power BI can also integrate with other on-premise apps on your device so as to enable you to collate data easily. It operates with natural language so that you won't need the help of an expert to operate. If you are looking for an upgrade from your Excel, Power BI is the upgrade you need. This book will guide you on everything you need to know about Power BI, and it gives an easy step-by-step guide on how to install, set-up, and use it. Kindly order your copy to know more about this wonderful data intelligence tool!

Microsoft Power BI Quick Start Guide Devin Knight 2020-10-30 An accessible fast paced introduction to all aspects of Power BI for new or aspiring BI professionals, data analysts, and data visualizers. Purchase of the print or Kindle book includes a free eBook in the PDF format. Key Features Updated with the latest features in Power BI including Dataflow, AI insights, visuals and row level security Get faster and more intuitive data insights using Microsoft Power BI and its business intelligence capabilities Build accurate analytical models, reports, and dashboards Book Description This revised edition has been fully updated to reflect the latest enhancements to Power BI. It includes a new chapter dedicated to dataflow, and covers all the essential concepts such as installation, designing effective data models, as well as building basic dashboards and visualizations to help you and your organization make better business decisions. You'll learn how to obtain data from a variety of sources and clean it using Power BI Query Editor. You'll then find out how you can design your data model to navigate and explore relationships within it and build DAX formulas to make your data easier to work with. Visualizing your data is a key element in this book, and you'll get to grips rapidly with data visualization styles and enhanced digital storytelling techniques. In addition, you will acquire the skills to build your own dataflows, understand the Common Data Model, and automate data flow refreshes to eradicate data cleansing inefficiency. This guide will help you understand how to administer your organization's Power BI environment so that deployment can be made seamless, data refreshes can run properly, and security can be fully implemented. By the end of this Power BI book, you'll have a better understanding of how to get the most out of Power BI to perform effective business intelligence. What you will learn Connect to data sources using import and DirectQuery options Use Query Editor for data transformation and data cleansing processes, including writing M and R scripts and dataflows to do the same in the cloud Design optimized data models by designing relationships and DAX calculations Design effective reports with built-in and custom visuals Adopt Power BI Desktop and Service to implement row-level security Administer a Power BI cloud tenant for your organization Use built-in AI capabilities to enhance Power BI data transformation techniques Deploy your Power BI desktop files into the Power BI Report Server Who this book is for Aspiring business intelligence professionals who want to learn Power BI will find this book useful. 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.

Power BI Data Analysis and Visualization Suren Machiraju 2018-09-10 Power BI Data Analysis and Visualization provides a roadmap to vendor choices and highlights why Microsoft's Power BI is a very viable, cost effective option for data visualization. The book covers the fundamentals and most commonly used

features of Power BI, but also includes an in-depth discussion of advanced Power BI features such as natural language queries; embedding Power BI dashboards; and live streaming data. It discusses real solutions to extract data from the ERP application, Microsoft Dynamics CRM, and also offers ways to host the Power BI Dashboard as an Azure application, extracting data from popular data sources like Microsoft SQL Server and open-source PostgreSQL. Authored by Microsoft experts, this book uses real-world coding samples and screenshots to spotlight how to create reports, embed them in a webpage, view them across multiple platforms, and more. Business owners, IT professionals, data scientists, and analysts will benefit from this thorough presentation of Power BI and its functions.

Power BI 2021 - Volume 3 Roger F Silva 2021-02-19 "Excellent hands-on introduction to Power BI" "Great way to learn Power BI" Power BI 2021 - Volume 3 is a Power BI Series, presented in two parts! Part 1: Power BI - Business Intelligence Clinic If you want to learn Business Intelligence software, if you are looking for a specific BI tool, or if you are trying to decide on your next new BI solution, you will love the Business Intelligence Clinic. One dataset, multiple solutions Each book is about a different BI software, and you will follow step-by-step instructions to create a professional sales dashboard with the same friendly dataset. The BI Clinic series is suitable for everyone - managers, analysts, students... - It will help you compare different Business Intelligence tools, learn the basics, and select the best for your project, company, customers, or personal needs. In this Create and Learn book, Power BI - Business Intelligence Clinic with more than 300 Black and White images, you will go through important topics of Microsoft Power BI Desktop - a Free BI tool from Microsoft. You will learn how to install Power BI Desktop, get data, model your data, work with visuals and reports, create a sales dashboard, and share your work with others. You will follow step-by-step instructions to create a professional sales dashboard, and eight warm-up dashboards to help you rapidly increase your Power BI knowledge. Part 2: Power BI Academy vol. 3 - HR Recruitment Power BI Academy is a series of short books that help students and professionals improve their Power Business Intelligence (BI) knowledge by creating professional dashboards through easy step-by-step instructions. Through this series, you will have the opportunity to work with datasets, metrics, and Key Performance Indicators (KPIs) from a wide range of industries, helping you become a valuable resource to any team and industry. In this book, Power BI Academy vol.3 - Recruitment, which has over 200 Black and White images, you will learn to create a unique Dashboard for the HR Industry. You go through important topics of Microsoft Power BI Desktop, a Free BI tool from Microsoft. You will learn how to install Power BI Desktop, get data from Excel, model your Data, work with visuals and reports, create a Patient Overview Dashboard, and share your work. We will not go into deep theories as to the purpose of this book, and all Create and Learn material is to make the most of your time and learn by doing. You will follow step-by-step instructions to create a professional Healthcare Dashboard to help you rapidly increase your knowledge. Book details: Skill Level: Beginner Estimated time to complete: 2 hours I also hope this book series will help start your journey in the Business Intelligence world and provide the necessary tools to create professional reports and dashboards using Microsoft Power BI. Be sure to check my other books: Power BI - Business Intelligence Clinic Excel - Business Intelligence Clinic Tableau - Business Intelligence Clinic

Power BI for Jobseekers Alan Murray 2023-04-25 A practical guide that will help you leverage Power BI to extract valuable and meaningful insights from your data KEY FEATURES ● Learn how to transform, shape, and model your data in Power BI. ● Create rich, interactive and stunning reports using Power BI. ● Understand what recruiters are looking for and how to get started with a career in business analytics. DESCRIPTION Power BI is a powerful Business Intelligence tool developed by Microsoft that helps you connect, analyze, and visualize data from a wide range of sources. If you are looking to gain a solid understanding of Power BI, then this book is for you. This book starts by covering the fundamentals of using the tool. It then teaches you how to import data from various sources, use DAX calculations, and take advantage of many visualization and filtering features in Power BI to create visually appealing and informative reports. Finally, the book covers different ways to share your Power BI reports and dashboards with others. By learning Power BI, you can stay ahead of the competition and gain a competitive edge in the field of data analysis and visualization. WHAT YOU WILL LEARN ● Learn how to use Power BI to connect to multiple data sources. ● Create tables, columns, and measures in Power BI using DAX. ● Explore ways to enhance your Power BI reports. ● Use Power BI with Excel, PowerPoint, and Microsoft Teams. ● Publish, share, collaborate, and update your Power BI reports. WHO THIS BOOK IS FOR This comprehensive book caters to professionals who want to pursue a career in data analysis. It is also designed for beginners and Excel users who wish to enhance their data analysis and reporting skills beyond conventional methods. TABLE OF CONTENTS 1. Why Learn Power BI? 2. What is Power BI? 3. Getting Started with Power BI Desktop 4. Creating a Simple Power BI Report 5. Getting and Shaping Data 6. More Data Transformations 7. Creating the Data Model 8. Creating a Date Table 9. Adding DAX Measures 10. Cards and Other Text Visuals 11. Chart Visuals 12. Using Maps in Power BI Reports 13. Other Power BI Visualizations 14. Report Interactions, Filters, and Slicers 15. Enhancing Your Power BI Reports 16. Publishing and Sharing Your Reports 17. Datasets, Dashboards, and Reports 18. Power BI and Other Apps 19. Interview Questions, Certifications, and Resources *Mastering Microsoft Power BI* Greg Deckler 2022-06-30 Plan, design, develop, and manage robust Power BI solutions to generate meaningful insights and make data-driven decisions. Purchase of the print or Kindle book includes a free eBook in the PDF format. Key Features Master the latest dashboarding and reporting features of Microsoft Power BI Combine data from multiple sources, create stunning visualizations and publish Power BI apps to thousands of users Get the most out of Microsoft Power BI with real-world use cases and examples Book Description *Mastering Microsoft Power BI, Second Edition*, provides an advanced understanding of Power BI to get the most out of your data and maximize business intelligence. This updated edition walks through each essential phase and component of Power BI, and explores the latest, most impactful Power BI features. Using best practices and working code examples, you will connect to data sources, shape and enhance source data, and develop analytical data models. You will also learn how to apply custom visuals, implement new DAX commands and paginated SSRS-style reports, manage application workspaces and metadata, and understand how content can be staged and securely distributed via Power BI apps. Furthermore, you will explore top report and interactive dashboard design practices using features such as bookmarks and the Power KPI visual, alongside the latest capabilities of Power BI mobile applications and self-service BI techniques. Additionally, important management and administration topics are covered, including application lifecycle management via Power BI pipelines, the on-premises data gateway, and Power BI Premium capacity. By the end of this Power BI book, you will be confident in creating sustainable and impactful charts, tables, reports, and dashboards with any kind of data using Microsoft Power BI. What you will learn Build efficient data retrieval and transformation processes with the Power Query M language and dataflows Design scalable, user-friendly DirectQuery, import, and composite data models Create basic and advanced DAX measures Add ArcGIS Maps to create interesting data stories Build pixel-perfect paginated reports Discover the capabilities of Power BI mobile applications Manage and monitor a Power BI environment as a Power BI administrator Scale up a Power BI solution for an enterprise via Power BI Premium capacity Who this book is for Business Intelligence professionals and intermediate Power BI users looking to master Power BI for all their data visualization and dashboarding needs will find this book useful. An understanding of basic BI concepts is required and some familiarity with Microsoft Power BI will be helpful to make the most out of this book.

Mastering 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 a 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 come 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 already be familiar with other data preparation and 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. Power Query exists in many Microsoft tools and services such as Power BI, Excel, Dataflows, Power Automate, Azure Data Factory, etc. Through the years, this engine became more powerful. These days, we can say this is essential learning for anyone who wants to do data analysis with Microsoft technology to learn Power Query and master it. 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 series. A good analytics solution combines a good data model, good data preparation, and good analytics and *Dashboarding And Reporting With Power BI Desktop And Excel How To Design And Create A Financial Dashboard With Powerpivot Aeur End To End Pdf Pdf upload Donald I Paterson*

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 series 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 (already available to be purchased separately) Mastering Power Query in Power BI and Excel (This book) Power Query dataflows (will be published later) This book deeps dive into real-world challenges of data transformation. It starts with combining data sources and continues with aggregations and fuzzy operations. The book covers advanced usage of Power Query in scenarios such as error handling and exception reports, custom functions and parameters, advanced analytics, and some helpful table and list functions. The book continues with some performance tuning tips and it also explains the Power Query formula language (M) and the structure of it and how to use it in practical solutions. 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.

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

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

Pro Power BI Desktop Adam Aspin 2016-04-28 This book shows how to deliver eye-catching Business Intelligence with Microsoft Power BI Desktop. You can now take data from virtually any source and use it to produce stunning dashboards and compelling reports that will seize your audience's attention. Slice and dice the data with remarkable ease then add metrics and KPIs to project the insights that create your competitive advantage. Make raw data into clear, accurate, and interactive information with Microsoft's free self-service business intelligence tool. Pro Power BI Desktop will help you to push your BI delivery to the next level. You'll learn to create great-looking visualizations and let your audience have fun by interacting with the elegant and visually arresting output that you can now deliver. You can choose from a wide range of built-in and third-party visualization types so that your message is always enhanced. You'll be able to deliver those results on the PC, on tablets, on smartphones, as well as share results via the cloud. Finally, this book helps you save time by preparing the underlying data correctly without needing an IT department to prepare it for you. Power BI Desktop will let your analyses speak for themselves. Simple techniques to make data into insight. Polished interactive dashboards to deliver attention-grabbing information. Visually arresting output on multiple devices grab the reader's attention. What You Will Learn Produce designer output to astound your bosses and peers. Share business intelligence in the cloud Deliver visually stunning charts, maps, and tables. Make them interactive too! Find new insights as you chop and tweak your data as never before. Adapt delivery to mobile devices such as phones and tablets. Audience Pro Power BI Desktop is written for any user who is comfortable in Microsoft Office. Everyone from CEOs and Business Intelligence developers through to power users and IT managers can use this book to outshine the competition by producing 21st Century business intelligence visualizations and reporting on a variety of devices from a variety of data sources. All of this is possible through leveraging your existing skill set with the same, common Microsoft tools you already use in your daily work.

Microsoft Power BI Web - Creating Dashboards Jeff Hutchinson 2018-07-30 This workbook/guide covers Power BI Web Service, a web-based tool that provides cloud services over the Internet to post and view Dashboards. Individual Visual Reports are created using the Power BI Desktop tool which is installed on your local computer. Once you develop Visual Reports in Power BI Desktop, then you can use these Visual Reports to build Dashboards in the Power BI Web Service. These tools work together to describe your data sources in a Visual Report which can be updated when desired. The following topics will be covered: Overview - First, an overview of the interface and the menu system will be provided. This will enable users to switch between the different modules (described below) in order to develop a Dashboard. Dataset - This is used to store the uploaded database to the Power BI Web Service which can be interactive as the database is updated. However, it could also be cached/stored in Power BI Web Service (no connection to another source). A Dataset can be linked to multiple Visual Reports that are used to create a Dashboard. In this web-based tool, it is possible to click on a specific Dataset to create additional reports. However, it is recommended that reports be created in the Power BI Desktop. Report Workspace - This will display the Visual Reports created in Power BI Desktop as well as those created in the Power BI Web Service tool all while using the Edit Report tool (see Edit Report chapter). The reports in the Reports Workspace will be linked to a single Dataset, but they can be linked to multiple Dashboards. Filters are also available to adjust the information in the reports. Dashboard - This is the layout of different types of Visual Reports arranged together to provide a message for readers to understand. When you click on a report in the Dashboard, it is linked to the Reports Workspace which is also linked to the Datasets. When you click on a Visual Report located in the Dashboard, the report will open. Edit Report - When a report is created from a Dataset, you can use the capabilities to build multiple small Visual Reports such as Clustered Column Charts, Pie Charts, Cards to display total values, Tables of summarized data, Matrix reports, Maps, etc. Because you will want people reviewing the Visual Reports to understand the data stored in the data source, the progress, growth, or current state of the information can be displayed. Workbooks - This will allow you to upload an Excel Workbook into Power BI Web Service as the input data source for a Dashboard. Then, you can create a Visual Report in Power BI Web Service prior to applying all reports to a Dashboard. This is an alternative to publishing reports from the Power BI Desktop tool. Settings - There are adjustments that can be made to the interface to provide additional functionality. Settings to be covered include General, Dashboard, Dataset, Workbook, Alerts, and Subscriptions settings. ***** What's is in the workbook? Press Download or Click on the left side of the screen: Look Inside! Enter one of the following keywords: visual reports, dashboard, share, get data, gateway, etc. Take A Class: <http://www.elearnlogic.com/download/schedule18.pdf>

Power BI - Business Intelligence Clinic (Color) Roger F. Silva 2021-01-29 Updated: New version January 2021 "Excellent hands-on introduction to Power BI" "Great way to learn Power BI, short and precise, step by step instructions!" "Great learn by doing book, for those who want to create a professional dashboard. If you want to learn Business Intelligence software, if you are looking for a specific BI tool, or if you are trying to decide on your next new BI solution, you will love Business Intelligence Clinic. One dataset, multiple solutions: Each book is about a different BI software, and you will follow step-by-step instructions to create a professional sales dashboard with the same friendly dataset. The BI Clinic series is suitable for everyone - managers, analysts, students... - It will help you compare different Business Intelligence tools, learn the basics, and select the best for your project, company, customers, or personal needs. In this Create and Learn book, Power BI - Business Intelligence Clinic with more than 300 images in color, you will go through important topics of Microsoft Power BI Desktop - a Free BI tool from Microsoft. You will learn how to install Power BI

Desktop, get data, model your data, work with visuals and reports, create a sales dashboard, and share your work with others. We will not go into deep theories as to the purpose of this book and all Create and Learn material is to make the most of your time and to learn by doing. You will follow step-by-step instructions to create a professional sales dashboard, and eight warm-up dashboards to help you rapidly increase your Power BI knowledge. I hope this book will help you to start your journey in the Business Intelligence world and give you the right tools to start building professional reports and dashboards using Microsoft Power BI. Thank you for creating and learning. Roger F. Silva Please note: This version is in color. A black and white version and ebook are also available, please visit the author profile for more options. Check the Business Intelligence Clinic series One dataset, multiple solutions: Power BI - Business Intelligence Clinic Excel - Business Intelligence Clinic Tableau - Business Intelligence Clinic

Pro Power BI Architecture Reza Rad 2018-11-19 Architect and deploy a Power BI solution. This book will help you understand the many available options and choose the best combination for hosting, developing, sharing, and deploying a Power BI solution within your organization. Pro Power BI Architecture provides detailed examples and explains the different methods available for sharing and securing Power BI content so that only intended recipients can see it. Commonly encountered problems you will learn to handle include content unexpectedly changing while users are in the process of creating reports and building analysis, methods of sharing analyses that don't cover all the requirements of your business or organization, and inconsistent security models. The knowledge provided in this book will allow you to choose an architecture and deployment model that suits the needs of your organization, ensuring that you do not spend your time maintaining your solution but on using it for its intended purpose and gaining business value from mining and analyzing your organization's data. What You'll Learn Architect and administer enterprise-level Power BI solutions Choose the right sharing method for your Power BI solution Create and manage environments for development, testing, and production Implement row level security in multiple ways to secure your data Save money by choosing the right licensing plan Select a suitable connection type—Live Connection, DirectQuery, or Scheduled Refresh—for your use case Set up a Power BI gateway to bridge between on-premises data sources and the Power BI cloud service Who This Book Is For Data analysts, developers, architects, and managers who want to leverage Power BI for their reporting solution

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.

Microsoft Power BI Dashboards Step by Step Errin O'Connor 2018-10-05 Your hands-on guide to building effective Power BI dashboards Expand your expertise—and teach yourself how to create world-class Power BI business analysis dashboards that bring data to life for better decision-making. If you're an experienced business intelligence professional or manager, you'll get all the guidance, examples, and code you need to succeed—even if you've never used Power BI before. Successfully design, architect, and implement Power BI in your organization Take full advantage of any Microsoft Power BI platform, including Power BI Premium Make upfront decisions that position your Power BI project for success Build rich, live dashboards to monitor crucial data from across your organization Aggregate data and data elements from numerous internal and external data sources Develop dynamic visualizations, including charts, maps, and graphs Bring data to life with stunning interactive reports Ensure dashboard security and compliance Drive user adoption through effective training

Learn Power BI Derek Wilson 2020-10-15 Learn how to use Microsoft Power BI by following along with step by step lessons. This book was designed to get you the skills you need to start importing data and building reports in Power BI Desktop. No experience necessary, all of the steps are detailed and come with screenshots so you know exactly what to do. No wasting time on trying to figure it out. This book get you up

to speed in less than 4 hours on the basics of Power BI Desktop. Who should read this book? If you are interested in data visualization, data storytelling and improving your business with data. This book is designed for people that want to solve business problems with data and need a quick guide to get them started without fluff. If you have plenty of data and are stuck with Excel charts and Pivot Tables. Then give yourself a new skill and learn a leader in data visualization Microsoft Power BI. You will find this book gives you all of the core knowledge you need to create, modify and publish Power BI reports that enable self-service analytics and dashboards. Why you should select this book? For the price of 2 name brand coffees, you can learn everything you need to get started building reports in Power BI Desktop. It also provides an overview of the Power BI ecosystem so you can make a better decision to determine if implementing Microsoft Power BI is the right data visualization solution for your company. The examples provide a quick background on the topic and the provide step by step instructions with images to make sure you can get started with Power BI quickly. From start to finish this book should take you 2 to 4 hours to complete while learning critical skills required to build and modify Power BI Reports on your own. Chapter Outline Introduction Sample Data and Project for this Book The Power BI Ecosystem How to Add Data in Power BI Desktop Visualizations Building Reports Interacting with Visuals Using Filter on Reports Exporting Data from Power BI Publishing Power BI Desktop Business leaders struggle to have the data they need readily available in an easy to use dashboard. At CDO Advisors, we'll build you an amazing Power BI Dashboard at a low monthly cost. So you can make decisions when you need without having to ask someone to pull data or send you a report.

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.

Power BI Academy - HR Recruitment Roger F Silva 2020-11-16 "Excellent hands-on introduction to Power BI" "Great way to learn Power BI" Bonus 10 Background templates Version: Nov 2020 Power BI Academy is a series of short books that help students and professionals improve their Power BI knowledge by creating professional dashboards through easy step-by-step instructions. Through this series, you will have the opportunity to work with datasets, metrics, and Key Performance Indicators (KPIs) from a wide range of industries, helping you become a valuable resource to any team and industry. In this book, Power BI Academy vol.3 - HR Recruitment, which has over 200 images, you will learn to create a unique 3 pages Dashboard for the Human Resources area. You will go through important topics of Microsoft Power BI Desktop, a Free BI tool from Microsoft. You will learn how to install Power BI Desktop, get data from Excel, model your Data, work with visuals and reports, create a Dashboard, and share your work. We will not go into deep theories as to the purpose of this book, and all Create and Learn material is to make the most of your time and learn by doing. You will follow step-by-step instructions to create a professional Dashboard to help you rapidly increase your knowledge. I also hope this book will help start your journey in the Business Intelligence world and provide the necessary tools to create professional reports and dashboards using Microsoft Power BI. Book details: Skill Level: Beginner Estimated time to complete: 2 hours Be sure to check my other books: Power BI Academy vol.2 - Healthcare Power BI - Business Intelligence Clinic Excel - Business Intelligence Clinic Tableau - Business Intelligence Clinic