

Power BI Step By Step Part 1 Up And Running Power BI Mastery Through Hands On Tutorials Power BI Step By Step

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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.

**Microsoft Power BI Data Analyst
Certification Guide** - Orrin Edenfield
2022-06-24

Gain the knowledge and skills needed to become a certified Microsoft Power BI data analyst and get the most out of Power BI Key Features • Get

the skills you need to pass the PL-300 certification exam with confidence • Create and maintain robust reports and dashboards to enable a data-driven enterprise • Test your new BI skills with the help of practice questions

Book Description Microsoft Power BI enables organizations to create a data-driven culture with business intelligence for all. This guide to achieving the Microsoft Power BI Data Analyst Associate certification will help you take control of your organization's data and pass the exam with confidence. From getting started with Power BI to connecting to data sources, including files, databases, cloud services, and SaaS providers, to using Power BI's built-in tools to build data models and produce visualizations, this book will walk you through everything from setup to preparing for the certification exam. Throughout the chapters, you'll get detailed explanations and learn how to analyze your data, prepare it for consumption by business users, and maintain an enterprise environment in a

secure and efficient way. By the end of this book, you'll be able to create and maintain robust reports and dashboards, enabling you to manage a data-driven enterprise, and be ready to take the PL-300 exam with confidence. What you will learn • Connect to and prepare data from a variety of sources • Clean, transform, and shape your data for analysis • Create data models that enable insight creation • Analyze data using Microsoft Power BI's capabilities • Create visualizations to make analysis easier • Discover how to deploy and manage Microsoft Power BI assets

Who this book is for This book is for data analysts and BI professionals who want to become more competent in Microsoft Power BI. Although the content in this book will help you pass the PL-300 exam, there are plenty of other practical applications beyond exam preparation in the chapters. No prior experience with Power BI is needed.

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

The Shelly Cashman Series Microsoft Office 365 & Excel 2021 Comprehensive - Steven M.

Freund 2022-05-30

Helping you quickly get up to speed, THE SHELLY CASHMAN SERIES MICROSOFT OFFICE 365 & EXCEL 2021 COMPREHENSIVE, 1st edition, includes the latest on Microsoft 365 and Office 2021 features along with enhanced support for Mac users. Its trademark step-by-step, screen-by-screen, project-based approach enables you to expand your understanding of Office applications through hands-on experimentation and critical thinking. Module Learning Objectives are mapped to Microsoft Office Specialist (MOS) certification objectives, reinforcing the critical skills needed for college and career success. In addition, Other Ways boxes reveal alternate click paths to achieve a step, while BTW call-outs offer helpful hints as you work through your projects so you can make the most of Microsoft Office tools. Important Notice: Media content referenced within the

product description or the product text may not be available in the ebook version.

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

ReportsInteracting with VisualsUsing Filter on ReportsExporting Data from Power BIPublishing Power BI DesktopBusiness 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.

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 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, 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*

Basics of Power BI Modeling - Reza Rad
2020-09-11

I have been dealing with many Power BI challenges in my professional life as a Power BI consultant and a trainer. Challenges normally come as calculation or DAX questions, or sometimes as a performance question. However, after digging deeper into the problem, soon, it will be revealed that the problem is related to a more fundamental challenge; data modeling. If you have a Power BI implementation with many

calculation-related or performance-related issues, I strongly suggest looking into your data model because that is where most of the problems start. A good data model is a great base, which upon that, you can build up many stories of calculations and analysis. A bad data model causes problems on every level that you add upon it, and might sometime cause the whole solution to collapse. Fortunately, data modeling is not rocket science. I explained the basic principles of the data modeling with examples in this book. Use this book as the learning path towards a better data model. Most of the tips mentioned in this book are product-agnostic (such as star-schema, dimension, and fact tables). However, this book is particularly designed and developed for a Power BI product user. This book is for you if you are building a Power BI solution. If your task is only visualizing the existing data, this book might not be needed for you. However, What I have seen in many cases, is that the requirement starts with just

visualize the data, and then more data tables appear, and you get into the tunnel of data modeling without knowing the principles of it. This book is a guide for you through that tunnel. *Shelly Cashman Series Microsoft Office 365 Advanced* - Sandra Cable 2022-07-06
Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. **Microsoft Excel 2013** - Alberto Ferrari 2013 Shows readers how to perform complex data analysis, create reports with the data analysis expressions language, and add hierarchies to data models to enable faster browsing. [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 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.

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're finished, 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.

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

Manage and work with business data effectively by learning data modeling techniques and leveraging the latest features of Power BI Key Features Understand data modeling techniques to get the best out of data using Power BI Define the relationships between data to extract valuable insights Solve a wide variety of business challenges by building optimal data models Book Description Microsoft Power BI is one of the most popular business intelligence tools available on the market for desktop and the cloud. This book will be your guide to understanding the ins and outs of data modeling and how to create data models using Power BI confidently. You'll learn how to connect data from multiple sources, understand data, define and manage relationships between data, and shape data models. In this book, you'll explore

how to use data modeling and navigation techniques to define relationships and create a data model before defining new metrics and performing custom calculations using modeling features. As you advance through the chapters, the book will demonstrate how to create full-fledged data models, enabling you to create efficient data models and simpler DAX code with new data modeling features. With the help of examples, you'll discover how you can solve business challenges by building optimal data models and changing your existing data models to meet evolving business requirements. Finally, you'll learn how to use some new and advanced modeling features to enhance your data models to carry out a wide variety of complex tasks. By the end of this Power BI book, you'll have gained the skills you need to structure data coming from multiple sources in different ways to create optimized data models that support reporting and data analytics. What you will learn

- Implement virtual tables and time intelligence

- functionalities in DAX to build a powerful model
- Identify Dimension and Fact tables and implement them in Power Query Editor
- Deal with advanced data preparation scenarios while building Star Schema
- Explore best practices for data preparation and data modeling
- Discover different hierarchies and their common pitfalls
- Understand complex data models and how to decrease the level of model complexity with different data modeling approaches
- Who this book is for

This MS Power BI book is for BI users, data analysts, and analysis developers who want to become well-versed with data modeling techniques to make the most of Power BI. Basic knowledge of Power BI and Star Schema will help you to understand the concepts covered in this book.

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.

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.

Row-Level Security in Power BI - Reza Rad

2019-12-16

I have been writing and presenting about Row-Level Security in Power BI for many years. Through the comments and feedback I got from my presentations and articles, I felt a need for a place to have everything gathered in one place. The lack of a book that explains everything about the current subject motivated me to end up gathering all my articles in this book. The result is what you are reading. Row-Level Security in Power BI is not about sharing your content. It is, on the other hand, about sharing the same content with a different audience in the way that they see different views of the data. They will have different access to the data. Some of them might see the entire data, and some others might see part of the data that they are authorized to see. Instead of creating multiple reports with the same format, fields, calculations, and visualizations, and only making them different in filtering, the correct way to do it is through row-level security. This will make

sure you have the maximum consistency and minimum maintenance for your Power BI project. This is not a book about theories. This is a hands-on book. There are tons of demos and examples with the code samples that you can try. You will learn through this book, what is row-level security. You will learn different types of security and patterns in which you will see the most common challenges for implementing the security and the solution to save them. The book starts with the basics of row-level security, then you will learn about static vs. dynamic row-level security. You will learn patterns such as everyone see their own data, but the manager sees a different view or users and profiles for branch managers. Or the organizational hierarchy, or even the many-to-many relationship challenge of row-level security etc. through this book. This book is not about how to create a report, build a visualization, connect to a dataset, or set up a gateway. If you want to learn those, I do recommend reading my other

book: Power BI online book, from Rookie to Rock Star.

Extending Power BI with Python and R - Luca Zavarella 2021-11-26

Perform more advanced analysis and manipulation of your data beyond what Power BI can do to unlock valuable insights using Python and R

Key Features

- Get the most out of Python and R with Power BI by implementing non-trivial code
- Leverage the toolset of Python and R chunks to inject scripts into your Power BI dashboards
- Implement new techniques for ingesting, enriching, and visualizing data with Python and R in Power BI

Book Description

Python and R allow you to extend Power BI capabilities to simplify ingestion and transformation activities, enhance dashboards, and highlight insights. With this book, you'll be able to make your artifacts far more interesting and rich in insights using analytical languages. You'll start by learning how to configure your Power BI environment to use your Python and R

scripts. The book then explores data ingestion and data transformation extensions, and advances to focus on data augmentation and data visualization. You'll understand how to import data from external sources and transform them using complex algorithms. The book helps you implement personal data de-identification methods such as pseudonymization, anonymization, and masking in Power BI. You'll be able to call external APIs to enrich your data much more quickly using Python programming and R programming. Later, you'll learn advanced Python and R techniques to perform in-depth analysis and extract valuable information using statistics and machine learning. You'll also understand the main statistical features of datasets by plotting multiple visual graphs in the process of creating a machine learning model. By the end of this book, you'll be able to enrich your Power BI data models and visualizations using complex algorithms in Python and R. What you will learn

Discover best practices for using

Python and R in Power BI products Use Python and R to perform complex data manipulations in Power BI Apply data anonymization and data pseudonymization in Power BI Log data and load large datasets in Power BI using Python and R Enrich your Power BI dashboards using external APIs and machine learning models Extract insights from your data using linear optimization and other algorithms Handle outliers and missing values for multivariate and time-series data Create any visualization, as complex as you want, using R scripts Who this book is for This book is for business analysts, business intelligence professionals, and data scientists who already use Microsoft Power BI and want to add more value to their analysis using Python and R. Working knowledge of Power BI is required to make the most of this book. Basic knowledge of Python and R will also be helpful.

DAX Cookbook - Greg Deckler 2020-03-18

Solve real-world business problems by learning

how to create common industry key performance indicators and other calculations using DAX within Microsoft products such as Power BI, SQL Server, and Excel. Key Features Learn to write sophisticated DAX queries to solve business intelligence and data analytics challenges Handle performance issues and optimization within the data model, DAX calculations and more Solve business issues with Microsoft Excel, Power BI, and SQL Server using DAX queries Book Description DAX provides an extra edge by extracting key information from the data that is already present in your model. Filled with examples of practical, real-world calculations geared toward business metrics and key performance indicators, this cookbook features solutions that you can apply for your own business analysis needs. You'll learn to write various DAX expressions and functions to understand how DAX queries work. The book also covers sections on dates, time, and duration to help you deal with working days, time zones,

and shifts. You'll then discover how to manipulate text and numbers to create dynamic titles and ranks, and deal with measure totals. Later, you'll explore common business metrics for finance, customers, employees, and projects. The book will also show you how to implement common industry metrics such as days of supply, mean time between failure, order cycle time and overall equipment effectiveness. In the concluding chapters, you'll learn to apply statistical formulas for covariance, kurtosis, and skewness. Finally, you'll explore advanced DAX patterns for interpolation, inverse aggregators, inverse slicers, and even forecasting with a deseasonalized correlation coefficient. By the end of this book, you'll have the skills you need to use DAX's functionality and flexibility in business intelligence and data analytics. What you will learn Understand how to create common calculations for dates, time, and duration Create key performance indicators (KPIs) and other business calculations Develop

general DAX calculations that deal with text and numbers Discover new ideas and time-saving techniques for better calculations and models Perform advanced DAX calculations for solving statistical measures and other mathematical formulas Handle errors in DAX and learn how to debug DAX calculations Understand how to optimize your data models Who this book is for Business users, BI developers, data analysts, and SQL users who are looking for solutions to the challenges faced while solving analytical operations using DAX techniques and patterns will find this book useful. Basic knowledge of the DAX language and Microsoft services is mandatory.

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

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

Microsoft Power BI Performance Best Practices - Bhavik Merchant 2022-04-22
Supercharge performance analytics and create

repeatable patterns to ensure you get the best performance and scalability from your analytics solutions with Power BI Key Features Learn how to build performant data models and apply Row-Level Security Identify and fix performance issues in reports, DAX, and datasets using DAX Studio/VertiPaq Analyzer Use a formal process to manage performance, from setting targets to monitoring and remediating issues

Book Description This book comprehensively covers every layer of Power BI, from the report canvas to data modeling, transformations, storage, and architecture. Developers and architects working with any area of Power BI will be able to put their knowledge to work with this practical guide to design and implement at every stage of the analytics solution development process. This book is not only a unique collection of best practices and tips, but also provides you with a hands-on approach to identifying and fixing common performance issues. Complete with explanations of essential concepts and practical

examples, you'll learn about common design choices that affect performance and consume more resources and how to avoid these problems. You'll grasp the general architectural issues and settings that broadly affect most solutions. As you progress, you'll walk through each layer of a typical Power BI solution, learning how to ensure your designs can handle scale while not sacrificing usability. You'll focus on the data layer and then work your way up to report design. We will also cover Power BI Premium and load testing. By the end of this Power BI book, you'll be able to confidently maintain well-performing Power BI solutions with reduced effort and know how to use freely available tools and a systematic process to monitor and diagnose performance problems. What you will learn

Understand how to set realistic performance targets and address performance proactively

Understand how architectural options and configuration affect performance

Build efficient Power BI reports and

data transformations

Explore best practices for data modeling, DAX, and large datasets

Understand the inner workings of Power BI Premium

Explore options for extreme scale with Azure services

Understand how to use tools that help identify and fix performance issues

Who this book is for

Data analysts, BI developers, and data professionals who have learnt the basics of Power BI and now want to understand how to build advanced analytics solutions will find this business intelligence book useful. Familiarity with the major components of Power BI and a beginner-level understanding of their purpose and use cases are required.

Financial Modelling in Power BI - Liam Bastick
2022-07-28

Just like a shovel, this book is genuinely groundbreaking. It hits you over the head with the proverbial gardening tool, implementing the way forward for financial modelling. Many working in banking and finance create their financial models in Excel and then import them into

Power BI for graphical interpretation and further analysis. Not on our watch. We're going to jettison the universal spreadsheet and build the entire model in Power BI. We can't stress how far off the range we're taking the horses. If you are reading this, you are a true pioneer. Some have managed to build the odd financial statement in Power BI, but all three? This is where you can gain a major advantage in the workplace. If you build the calculations for financial statements in Power BI, you can produce statements by product, by customer, by geography... Get the picture? The limitation will be restricted to the granularity of the underlying data and your imagination. This book unearths some of the tricks, measures, logic and tools needed to build the model (there is no need to bury your mistakes). We just can't promise you a rose garden... With the usual jokes in spades, it's just a shame we couldn't get Doug (get it?) to assist.

Collect, Combine, and Transform Data Using

Power Query in Excel and Power BI - Gil Raviv 2019

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.

Microsoft SQL Server 2014 Business Intelligence Development Beginner's Guide - Reza Rad
2014-05-26

Written in an easy-to-follow, example-driven format, there are plenty of stepbystep instructions to help get you started! The book has a friendly approach, with the opportunity to learn by experimenting. If you are a BI and Data Warehouse developer new to Microsoft Business Intelligence, and looking to get a good understanding of the different components of Microsoft SQL Server for Business Intelligence, this book is for you. It's assumed that you will have some experience in databases systems and T-SQL. This book is will give you a good upshot

view of each component and scenarios featuring the use of that component in Data Warehousing and Business Intelligence systems.

Power BI - Daniel Jones 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.

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.

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.

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 Step-By-Step Part 2: Connecting to Data Sources: Power Bi Mastery Through Hands-On Tutorials - Grant Gamble 2018-07-22
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 G Com Solutions Limited G Com Solutions Limited provide Power BI training in Peterborough, London and throughout the UK. Details of their Power BI courses can be found at the following URL:

<https://gcomsolutions.co.uk/microsoft-power-bi-training-courses/>

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

Financial Modeling in Excel For Dummies - Danielle Stein Fairhurst 2021-12-14
Turn your financial data into insightful decisions with this straightforward guide to financial modeling with Excel Interested in learning how to build practical financial models and forecasts but concerned that you don't have the math skills or technical know-how? We've got you covered! Financial decision-making has never been easier than with Financial Modeling in Excel For Dummies. Whether you work at a mom-and-pop retail store or a multinational

corporation, you can learn how to build budgets, project your profits into the future, model capital depreciation, value your assets, and more. You'll learn by doing as this book walks you through practical, hands-on exercises to help you build powerful models using just a regular version of Excel, which you've probably already got on your PC. You'll also: Master the tools and strategies that help you draw insights from numbers and data you've already got Build a successful financial model from scratch, or work with and modify an existing one to your liking Create new and unexpected business strategies with the ideas and conclusions you generate with scenario analysis Don't go buying specialized software or hiring that expensive consultant when you don't need either one. If you've got this book and a working version of Microsoft Excel, you've got all the tools you need to build sophisticated and useful financial models in no time!

Exam Ref 70-778 Analyzing and Visualizing Data

by Using Microsoft Power BI - Daniil Maslyuk
2018-06-07

Prepare for Microsoft Exam 70-778—and help demonstrate your real-world mastery of Power BI data analysis and visualization. Designed for experienced BI professionals and data analysts ready to advance their status, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives: Consume and transform data by using Power BI Desktop Model and visualize data Configure dashboards, reports, and apps in the Power BI Service This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you have experience consuming and transforming data, modeling and visualizing data, and configuring dashboards using Excel and Power BI
Power BI 2021 - Volume 2 - Roger F Silva
2021-02-12

"Excellent hands-on introduction to Power BI"
"Great way to learn Power BI" Power BI 2021 - Volume 2 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 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, 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. 2 - Healthcare 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 Black and White 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. 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 *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 Features Learn simple through to advanced Power BI features in a clear, concise way using real-world examples Develop powerful analytical models and reports that extract key business insights Publish, share and collaborate on impressive reports, dashboards, apps, and goals Book Description To 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 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 learn

Get up and running quickly with Power BI
Understand and plan your business intelligence projects
Connect to and transform data using Power Query
Create data models optimized for analysis and reporting
Perform simple and complex DAX calculations to enhance analysis
Discover business insights and create professional reports
Collaborate via Power BI dashboards, apps, goals, and scorecards
Deploy and govern Power BI, including using deployment pipelines

Who 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 3 - Grant Gamble
2018-12-09

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. G Com Solutions Limited G Com Solutions Limited provide Power BI training in Peterborough, London and throughout the UK. Details of their

Power BI courses can be found at the following URL: <https://gcomsolutions.co.uk/microsoft-power-bi-training-courses/> In this third book in the series, we focus on data cleansing and transformation. The techniques covered in this book apply both to using the Query Editor in Power BI Desktop and using Power Query to create dataflows in the Power BI service. After having plenty of hands-on practice on cleaning and transforming data, you will learn how to leverage templates, parameters and custom functions to create reusable Power BI reporting solutions.

Introduction Chapter 1: Power BI Dataflows vs Power BI Desktop Data Preparation Using a Dataflow as a Data Source Conclusion Chapter 2: Trim, Clean and Case Isolating the Problem Using the Trim Function Using the Clean Function Using the Replace Values Command Using the Capitalize Each Word Command Conclusion Chapter 3: House Keeping and Meta Data Renaming Items Renaming Columns Renaming Query Steps Adding

Descriptions to your Steps Conclusion Chapter 4: The Split Columns Command Tidying up the Data Using Split by Number of Characters Creating Relationships Creating a Treemap Visual Creating a Filled Map Visual Conclusion Chapter 5: Removing Unwanted Rows Removing Header Rows Removing an Excel Table Total Row Conclusion Chapter 6: Replace Value and Fill Down The Replace Values Command Remove Errors and Replace Errors The Fill Down Command Conclusion Chapter 7: The Unpivot Columns Command What is Pivoted Data? Importing the Data Using UnPivot Other Columns Creating a Bar Chart Visual Conclusion Chapter 8: Reordering Columns Benefits of Changing Column Order Moving Columns by Dragging Moving Columns Relative to Other Columns Conclusion Chapter 9: Creating Custom Columns Using Split by Delimiter Using the Add Custom Columns Command Conclusion Chapter 10: Append Queries Importing the Data Removing the differences between columns

Using Append Queries as New Conclusion
Chapter 11: Merge Queries Using Merge
Queries as New Specifying the Join Kind
Conclusion Chapter 12: Grouping Data Benefits
of Grouping Data Adding Groupings Adding
Aggregations Conclusion Chapter 13: Power
Query Parameters and Templates Benefits of
parameters and templates Overview of Our
Example Creating Dynamic Titles Creating
parameters Name and Description Optional or
Required Parameter Type Suggested Values
Default Value vs Current Value Creating
Parameters on the Fly Updating a Data Source
via a Parameter Parameterizing Filter
Operations Creating a Template Using a
Template Conclusion Chapter 14. Power Query
Custom Functions Converting a Query to a
Function Connecting to our Example file
Creating a parameter Invoking a Function Using
the Invoke Custom Function Command
Understanding Function Syntax Creating a Date
of Birth function Conclusion

Microsoft Dynamics 365 For Dummies -

Renato Bellu 2018-10-09

Accelerate your digital transformation and break down silos with Microsoft Dynamics 365 It's no secret that running a business involves several complex parts like managing staff, financials, marketing, and operations—just to name a few. That's where Microsoft Dynamics 365, the most profitable business management tool, comes in. In Microsoft Dynamics 365 For Dummies, you'll learn the aspects of the program and each of its applications from Customer Service to Financial Management. With expert author Renato Bellu's clear instructions and helpful tips, you'll be managing to your fullest advantage before you know it. Let's get started! Digitally transform your business by connecting CRM and ERP Use data to make decisions across all business functions Integrate Dynamics 365 with Office 365 and LinkedIn Manage financials and operations Are you running a dynamic business? This book shows you how!

Managing and Visualizing Your BIM Data -

Ernesto Pellegrino 2021-11-25

Learn how to make optimum use of your BIM data using Dynamo to make better design decisions and create feature-rich dashboards using Power BI to track your model's data Key Features A go-to guide for AEC professionals to analyze and manage their data Explore popular use cases and best practices from experts around the world Create efficient dashboards using Dynamo and Power BI Book Description Business intelligence software has rapidly spread its roots in the AEC industry during the last few years. This has happened due to the presence of rich digital data in BIM models whose datasets can be gathered, organized, and visualized through software such as Autodesk Dynamo BIM and Power BI. Managing and Visualizing Your BIM Data helps you understand and implement computer science fundamentals to better absorb the process of creating Dynamo scripts and visualizing the collected data on

powerful dashboards. This book provides a hands-on approach and associated methodologies that will have you productive and up and running in no time. After understanding the theoretical aspects of computer science and related topics, you will focus on Autodesk Dynamo to develop scripts to manage data. Later, the book demonstrates four case studies from AEC experts across the world. In this section, you'll learn how to get started with Autodesk Dynamo to gather data from a Revit model and create a simple C# plugin for Revit to stream data on Power BI directly. As you progress, you'll explore how to create dynamic Power BI dashboards using Revit floor plans and make a Power BI dashboard to track model issues. By the end of this book, you'll have learned how to develop a script to gather a model's data and visualize datasets in Power BI easily. What you will learn Understand why businesses across the world are moving toward data-driven models Build a data bridge between

BIM models and web-based dashboards Get to grips with Autodesk Dynamo with the help of multiple step-by-step exercises Focus on data gathering workflows with Dynamo Connect Power BI to different datasets Get hands-on experience in data management, analysis, and visualization techniques with guidance from experts across the world Who this book is for This book is for BIM managers, BIM coordinators, design technology managers, and all AEC professionals who want to learn Autodesk Dynamo to analyze, manage, and visualize their BIM data as well as understand some associated computer science topics. You need to have a background in BIM and knowledge of what a BIM model is to make the most of this book.

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

Design, create and manage robust Power BI solutions to gain meaningful business insights
Key Features Master all the dashboarding and

reporting features of Microsoft Power BI
Combine data from multiple sources, create stunning visualizations and publish your reports across multiple platforms A comprehensive guide with real-world use cases and examples demonstrating how you can get the best out of Microsoft Power BI Book Description This book is intended for business intelligence professionals responsible for the design and development of Power BI content as well as managers, architects and administrators who oversee Power BI projects and deployments. The chapters flow from the planning of a Power BI project through the development and distribution of content to the administration of Power BI for an organization. BI developers will learn how to create sustainable and impactful Power BI datasets, reports, and dashboards. This includes connecting to data sources, shaping and enhancing source data, and developing an analytical data model. Additionally, top report and dashboard design practices are described

using features such as Bookmarks and the Power KPI visual. BI managers will learn how Power BI's tools work together such as with the On-premises data gateway and how content can be staged and securely distributed via Apps. Additionally, both the Power BI Report Server and Power BI Premium are reviewed. By the end of this book, you will be confident in creating effective charts, tables, reports or dashboards for any kind of data using the tools and techniques in Microsoft PowerBI. What you will learn Build efficient data retrieval and transformation processes with the Power Query M Language Design scalable, user-friendly DirectQuery and Import Data Models Develop visually rich, immersive, and interactive reports and dashboards Maintain version control and stage deployments across development, test, and production environments Manage and monitor the Power BI Service and the On-premises data gateway Develop a fully on-premise solution with the Power BI Report Server Scale up a Power BI

solution via Power BI Premium capacity and migration to Azure Analysis Services or SQL Server Analysis Services Who this book is for Business Intelligence professionals and existing Power BI users looking to master Power BI for all their data visualization and dashboarding needs will find this book to be useful. While understanding of the basic BI concepts is required, some exposure to Microsoft Power BI will be helpful.

Artificial Intelligence with Power BI - Mary-Jo Diepeveen 2022-04-29

Learn how to create your own AI model and consume it in your Power BI reports to gain better insights from your data Key Features Learn how to gain better insights from your data by applying different AI techniques within Power BI Save time by creating machine learning models independently and integrating them within your BI reports Understand how to combine Cognitive Services and Azure Machine Learning together with Power BI Book

Description The artificial intelligence (AI) capabilities in Power BI enable organizations to quickly and easily gain more intelligent insights from unstructured and structured data. This book will teach you how to make use of the many AI features available today in Power BI to quickly and easily enrich your data and gain better insights into patterns that can be found in your data. You'll begin by understanding the benefits of AI and how it can be used in Power BI. Next, you'll focus on exploring and preparing your data for building AI projects and then progress to using prominent AI features already available in Power BI, such as forecasting, anomaly detection, and Q&A. Later chapters will show you how to apply text analytics and computer vision within Power BI reports. This will help you create your own Q&A functionality in Power BI, which allows you to ask FAQs from another knowledge base and then integrate it with PowerApps. Toward the concluding chapters, you'll be able to create and deploy

AutoML models trained in Azure ML and consume them in Power Query Editor. After your models have been trained, you'll work through principles such as privacy, fairness, and transparency to use AI responsibly. By the end of this book, you'll have learned when and how to enrich your data with AI using the out-of-the-box AI capabilities in Power BI. What you will learnApply techniques to mitigate bias and handle outliers in your dataPrepare time series data for forecasting in Power BIPrepare and shape your data for anomaly detectionUse text analytics in Power Query EditorIntegrate QnA Maker with PowerApps and create an appTrain your own models and identify the best one with AutoMLIntegrate an Azure ML workspace with Power BI and use endpoints to generate predictionsWho this book is for This artificial intelligence BI book is for data analysts and BI developers who want to explore advanced analytics or artificial intelligence possibilities with their data. Prior knowledge of Power BI will

help you get the most out of this book.
Microsoft Power BI For Dummies - Jack A. Hyman 2022-01-05

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.