Microsoft | Learning

Analyzing Data with Power BI

Course 10989: 2 days; Instructor-Led

Introduction

This two–day instructor-led course provides students with the knowledge and skills analyze data with Power BI.

At Course Completion

After completing this course, students will be able to:

- Describe key features of a self-service BI solution
- Describe Power BI and its data sources
- Model, shape, and combine data
- Describe Power BI data visualizations.

Audience

The primary audience for this course is individuals who administer and maintain SQL Server databases and are responsible for optimal performance of SQL Server instances that they manage. These individuals also write queries against data and need to ensure optimal execution performance of the workloads.

The secondary audiences for this course are individuals who develop applications that deliver content from SQL Server databases.

Prerequisites

This course requires that you meet the following prerequisites:

- Basic knowledge of the Microsoft Windows operating system and its core functionality.
- Basic knowledge of data warehouse schema topology (including star and snowflake schemas).
- Some exposure to basic programming concepts (such as looping and branching).
- An awareness of key business priorities such as revenue, profitability, and financial accounting is desirable.
- Familiarity with Microsoft Office applications — particularly Excel.

These prerequisites can be achieved by attending courses

- 20761A — Querying Data with Transact-SQL
- 20767A - Implementing a SQL Server Data Warehouse

Course Outline

Module 1: Introduction to Self-Service BI Solutions

In this module students will be introduced to the key concepts in business intelligence, data analysis, and data visualization. In addition they will learn the rationale for self-service BI, considerations for using self-service BI, and how Microsoft products can be used to implement a self-service BI solution.

Lessons

- Introduction to business intelligence
- Introduction to data analysis
- Introduction to data visualization
- Overview of self-service BI

Analyzing Data With Power Bi Kenfil

Alberto Ferrari,Marco Russo

Analyzing Data With Power Bi Kenfil:

Exam Ref Da-100 Analyzing Data with Microsoft Power Bi Daniil Maslyuk,2021-03 Direct from Microsoft this Exam Ref is the official study guide for the new Microsoft DA 100 Analyzing Data with Microsoft Power BI certification exam Exam Ref DA 100 Analyzing Data with Microsoft Power BI offers professional level preparation that helps candidates maximize their exam performance and sharpen their skills on the job It focuses on specific areas of expertise modern IT professionals need to demonstrate real world mastery of Power BI data analysis and visualization Coverage includes Preparing data acquiring profiling cleaning transforming and loading data Modeling data designing and developing data models creating measures with DAX and optimizing model performance Visualizing data creating reports and dashboards and enriching reports for usability Analyzing data enhancing reports to expose insights and performing advanced analysis Deploying and maintaining deliverables managing datasets creating and managing workspaces Microsoft Exam Ref publications stand apart from third party study guides because they Provide guidance from Microsoft the creator of Microsoft certification exams Target IT professional level exam candidates with content focused on their needs not one size fits all content Streamline study by organizing material according to the exam s objective domain OD covering one functional group and its objectives in each chapter Feature Thought Experiments to guide candidates through a set of what if scenarios and prepare them more effectively for Pro level style exam questions Explore big picture thinking around the planning and design aspects of the IT pro s job role For more information on Exam DA 100 and the Microsoft Certified Data Analyst Associate credential visit https docs microsoft com en us learn certifications data analyst associate **Analyzing Data with Power BI and Power Pivot for Excel** Alberto Ferrari,Marco Russo,2017-04-28 Renowned DAX experts Alberto Ferrari and Marco Russo teach you how to design data models for maximum efficiency and effectiveness How can you use Excel and Power BI to gain real insights into your information As you examine your data how do you write a formula that provides the numbers you need The answers to both of these questions lie with the data model This book introduces the basic techniques for shaping data models in Excel and Power BI It s meant for readers who are new to data modeling as well as for experienced data modelers looking for tips from the experts If you want to use Power BI or Excel to analyze data the many real world examples in this book will help you look at your reports in a different way like experienced data modelers do As you ll soon see with the right data model the correct answer is always a simple one By reading this book you will Gain an understanding of the basics of data modeling including tables relationships and keys Familiarize yourself with star schemas snowflakes and common modeling techniques Learn the importance of granularity Discover how to use multiple fact tables like sales and purchases in a complex data model Manage calendar related calculations by using date tables Track historical attributes like previous addresses of customers or manager assignments Use snapshots to compute quantity on hand Work with multiple currencies in the most efficient way Analyze events that have durations including overlapping durations Learn what data model you need to answer

your specific business questions About This Book For Excel and Power BI users who want to exploit the full power of their favorite tools For BI professionals seeking new ideas for modeling data   *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   Data Analysis with Microsoft Power BI Brian Larson,2020-01-03 Explore create and manage highly interactive data visualizations using Microsoft Power BI Extract meaningful business insights from your disparate enterprise data using the detailed information contained in this practical guide Written by a recognized BI expert and bestselling author Data Analysis with Microsoft Power BI teaches you the skills you need to interact with author and maintain robust visualizations and custom data models Hands on exercises based on real life business scenarios clearly demonstrate each technique Publishing your results to the Power BI Service PowerBI com and Power BI Report Server are also fully covered Inside you will discover how to Understand Business Intelligence and self service analytics Explore the tools and features of Microsoft Power BI Create and format effective data visualizations Incorporate advanced interactivity and custom graphics Build and populate accurate data models Transform data using the Power BI Query Editor Work with measures calculated columns and tabular models Write powerful DAX language scripts Share content on the PowerBI Service PowerBI com Store your visualizations on the Power BI Report Server   Getting started with Power Query in Power BI and Excel Reza Rad,Leila Etaati,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 complied 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   **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 **Analyzing Data with Power BI and Power Pivot for Excel, First Edition** Alberto Ferrari. Marco Russo,2017 **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 LearnArchitect 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 **Advanced Analytics with Power BI and Excel: Learn powerful visualization and data analysis techniques using Microsoft BI tools along with Python and R** Dejan Sarka,Jernej Rihar,Klemen Vončina,2023-10-13 Empowering You to Master Business Intelligence and Solve Real world Analytical problems Key Features Fulfill your business analytics objectives through comprehensive theory and hands on real world examples Dive into the world of advanced Business Intelligence using data science with Power BI Acquire in demand skills that align with the current job market and enhance your career prospects Book Description In today s analytics landscape proficiency in Excel and Power BI is practically a prerequisite for a successful career This book provides a concise

yet comprehensive exploration of these foundational elements of modern Business Intelligence BI Comprising ten chapters this book covers the entire development journey of a Power BI analytical solution spanning from data modeling and preparation to report creation publication and dashboard and app deployment It offers insights into security measures and performance optimization ensuring a well rounded understanding of the BI ecosystem Furthermore it delves into advanced topics such as leveraging data science algorithms within reports offering readers an extensive learning experience The book takes a holistic approach to these technologies offering a contrast to the narrow perspectives often adopted by contemporary BI professionals who rely solely on a single tool or language The book allows data enrichment through calculations that can be achieved using various languages including SQL queries at the source Power Query Formula Language M Python R and DAX What you will learn Learn the art of crafting comprehensive reports and analyses using Excel and Power BI Discover efficient methods for sharing your insights and reports with your team or clients Gain the skills to maintain and update your analytical solutions effectively Understand the significance of extracting valuable information from data in today s business landscape Address the increasing demand for skilled analysts filling a critical gap in the industry Who is this book for This book caters to aspiring Business Intelligence developers analysts seeking to enhance their skills and beginners looking to efficiently use tools like Excel It also appeals to data enthusiasts and serves as a practical resource for students and educators in data related fields Table of Contents 1 Introducing the Theoretical Background for Democratizing Analytics 2 Acquiring and transforming data from multiple sources 3 Power Query Transformations and Formula Language M Overview 4 Building a simple analytical solution with Power Pivot in Excel 5 Enhancing the model and business analysis with DAX 6 Creating reports in Power BI Desktop 7 Using the Power BI Service 8 Data Science in Power BI 9 Optimizing Power BI models and reports 10 Deploying Maintaining and Securing Power BI Assets Index   *Analyzing Data with Power Bi* Anthony Williams,2017-07-18 Analyzing Data with Power BI If you are thinking of doing some data science work first you have to get familiar with data libraries various techniques of data modelling in other words you have to dive into data analysis discipline with some fundamental understanding of this science This book provides you that fundamental of business and data analytics and insight into various data models and algorithms all written having a beginner in mind Further chapters will introduce you to powerful business analytics tool provided by Microsoft Power BI By the time you are done with the book you will master business analytics modelling with Power BI and share it to other users who are interested in same topic as you are Data analytics also may be the right answer for you if you are involved in marketing management since it can help you with operating strategic and financial performance On the other hand Power BI will let you to ask all the right questions and help you to make wise business decisions If this sounds good to you let s dive in together into the data analysis with Power BI What you will learn in Analyzing Data with Power BI Basics of data analysis processes Fundamental data analysis algorithms Basic of data and text mining data visualization and business intelligence Techniques used for analysing quantitative data

Basic data analysis tasks Conceptual logical and physical data models Power BI service and data modelling Creating reports and visualizations in Power BI Data transformation and data cleaning in Power BI Real world applications of data analysis Get this book today and learn more on Analyzing Data with Power BI Buy the Paperback version AND get the eBook for FREE Exam Ref 70-778 Analyzing and Visualizing Data with 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 Exam Ref 70-778 Analyzing and Visualizing Data by Using Microsoft Power BI Daniil Maslyuk,2018 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 **MICROSOFT POWER BI DATA ANALYST CERTIFICATION GUIDE** ORRIN. CORCORAN EDENFIELD (EDWARD.),2022 *Power BI for the Excel Analyst* Wyn Hopkins,2022-12-01 The essential guide for getting started with Power BI Power BI is an amazing cloud based business analytics service provided by Microsoft that allows people to transform data into rich interactive visual reports that presents a 360 degree business view and improves business decision making This book is designed to get the Excel analyst started with Power BI touching on Power Query and Power Pivot Microsoft Power BI Complete Reference Devin Knight,Brian Knight,Mitchell Pearson,Manuel Quintana,Brett Powell,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   **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 DescriptionThis 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 Power BI 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   Introducing Microsoft Power BI Alberto Ferrari,Marco Russo,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   *Data Modeling with Microsoft Power BI* Markus Ehrenmueller-Jensen,2024-06-10 Data modeling is the single most overlooked feature in Power BI Desktop yet it s what sets Power BI apart from other tools on the market This practical book serves as your fast forward button for data modeling with Power BI Analysis Services tabular and SQL databases It serves as a starting point for data modeling as well as a handy refresher Author Markus Ehrenmueller Jensen founder of Savory Data shows you the basic concepts of Power BI s semantic model with hands on examples in DAX Power Query and T SQL If you re looking to build a data warehouse layer chapters with T SQL examples will get you started You ll begin with simple steps and gradually solve more complex problems This book shows you how to Normalize and denormalize with DAX Power Query and T SQL Apply best practices for calculations flags and indicators time and date role playing dimensions and slowly changing dimensions Solve challenges such as binning budget localized models composite models and key value with DAX Power Query and T SQL Discover and tackle performance issues by applying solutions in DAX Power Query and T SQL Work with tables relations set operations normal forms dimensional modeling and ETL   *Microsoft Power BI Cookbook* Brett Powell,2017-09-27 Publisher s note This edition from 2017 is outdated and does not make use of the most recent Power BI updates A new third edition updated to the latest release is now available in color Key Features 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 Book DescriptionMicrosoft 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 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 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   *Mastering Power Query in Power BI and Excel* Reza Rad,Leila Etaati,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

Reviewing **Analyzing Data With Power Bi Kenfil**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Analyzing Data With Power Bi Kenfil**," an enthralling opus penned by a very acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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Table of Contents Analyzing Data With Power Bi Kenfil

1. Understanding the eBook Analyzing Data With Power Bi Kenfil
    - The Rise of Digital Reading Analyzing Data With Power Bi Kenfil
    - Advantages of eBooks Over Traditional Books
2. Identifying Analyzing Data With Power Bi Kenfil
    - Exploring Different Genres
    - Considering Fiction vs. Non-Fiction
    - Determining Your Reading Goals
3. Choosing the Right eBook Platform
    - Popular eBook Platforms
    - Features to Look for in an Analyzing Data With Power Bi Kenfil
    - User-Friendly Interface
4. Exploring eBook Recommendations from Analyzing Data With Power Bi Kenfil
    - Personalized Recommendations
    - Analyzing Data With Power Bi Kenfil User Reviews and Ratings
    - Analyzing Data With Power Bi Kenfil and Bestseller Lists

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