

Data Analysis using Power BI Desktop – Level 1 – Report Builder

COURSE OVERVIEW:

This course lays the foundation for Power BI Report Builders. Report Builders will learn everything they need to create highly effective stand-alone and multi-page narrative reports using data sources that are created using Power BI Desktop. This course covers the use of both the Power BI Desktop application as well as the Power BI Service.

WHO WILL BENEFIT FROM THIS COURSE?

Report Builders

PREREQUISITES:

General understanding of reporting requirements and a basic understanding of data base concepts is useful, but not required.

COURSE OBJECTIVES:

Be able to create highly effective stand-alone and multi-page narrative reports using data sources that are created using Power BI Desktop.

COURSE OUTLINE:

Lesson 1: Introducing Power BI

- What Is Power BI for the Cloud
- Power BI Key Features
- Self-Service BI Model
- Power BI Components

Lesson 2: Defining a Report

- What is a Power BI Report?
- Defining a Report
- Data-Driven Storytelling

Lesson 3: Building Power BI Desktop Reports

- Understanding the Design Interface
- Creating Reports
- Report Visualizations
- Formatting Visualizations
- Report Final Touches

Lesson 4: Report Filtering

- Highlighting, Drill-down & Data Actions
- Visual Interactions
- Visual Sorting and Slicers
- Visual, Report, & Page Filters

Lesson 5: Understanding Power BI Data Models

- Understanding Data Terminology
- Understanding Tables
- Understanding Relationships
- Diagnosing Data Models
- Data Model Schemas

Lesson 6: Gathering Report Data

- Data Queries vs Data Models
- Viewing & Refreshing a Data Source
- Modifying Report Data

Lesson 7: Data Model Functions

- Creating Calculated Columns
- What is DAX?
- Basic DAX Functions
- Date Hierarchies

Lesson 8: Introducing the Power BI Service

- Power BI Service Interface
- Connecting to Data Sources
- Uploading & Updating PBIX Reports
- Refreshing Power BI Data
- Power BI Service Report Interface Components

Lesson 9: Building Power BI Service Dashboards

- Dashboard Interface Components
- Building Dashboards
- Organizing Dashboard Elements

Lesson 10: Using Q & A (Cortana)

- Understanding Q & A
- Modifying Q & A Results
- Pinning Q & A results to a Dashboard

Lesson 11: Sharing Reports & Dashboards

- Sharing Content
- Managing Power BI Content
- Using App Workspaces
- Content Packs and Apps

Lesson 12: Appendix A: Power BI Roles and Security

- Power BI Roles

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