

Data Model Design using Power BI Desktop – Level 2

COURSE OVERVIEW:

What makes Power BI for such a vast improvement over simple Excel worksheets is the Power Query engine in both Power BI and Excel. Power Query allows data to be pulled and transformed from multiple data sources.

WHO WILL BENEFIT FROM THIS COURSE?

This course is designed for Report Builders who are ready to create custom data models for themselves and for other Power BI Report Users.

PREREQUISITES:

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

COURSE OBJECTIVES:

- Understand BI Data
- Create Data Models
- Customize Data Models
- Understand Power BI Functions – DAX Measures
- Use Dates Correctly

COURSE OUTLINE:

Lesson 1: Understanding BI Data

- Business Intelligence Data
- Data Source Types
- Power BI Data Sources

Lesson 2: Creating Data Models

- Power BI Query Import Options
- Planning a Data Model – Flat File
- Planning Power BI Data Queries
- Planning a Data Model – Database
- Planning a Data Model – Hybrid

Lesson 3: Customizing Data Models

- Query Editor Transformations
- Applied Steps
- Merging & Appending Queries
- Understanding the Data Modeling Tool

Lesson 4: Power BI Functions – DAX Measures

- DAX Measures
- Creating Measures
- Best Practices

Lesson 5: Using Dates Correctly

- Building Data Tables
- Building Hierarchies

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