

## Microsoft Power BI for Excel 2016 – Level 3 Data Model Designers

### OVERVIEW:

What makes Power BI for Excel such a vast improvement over detailed Excel worksheets is the PowerPivot Data Model, which allows data to be pulled together from multiple tables and multiple databases. This course is designed for Power BI for Excel Designers who are ready to create custom data models for themselves and for other Power BI Designers. Topics covered include database design concepts, how to build both general purpose and customized data models, building data hierarchies, and how to use basic DAX language and functionality to extend the capabilities of data models for in-depth and customized analysis of information.

### PREREQUISITES:

Power BI for Excel Level 2.

### COURSE OUTLINE

#### Module 1: Understanding BI Data

- Business Intelligence Data Sources
- Data Source Types
- PowerPivot Data Sources

#### Module 2: Creating Data Models

- Creating the Data Model - Excel
- Creating the Data Model - Database
- Creating the Data Model - Hybrid

#### Module 3: Use DAX Functions

- Review of Syntax and Calculated Columns
- Best Practices
- DAX Measures
- Creating Measures (Calculated Fields)

#### Module 4: Using Dates Correctly

- Why Dates are Different
- Building Date Tables
- Building Date Hierarchies

#### Module 5: Shaping Reports

- Building Communication Worksheets
- Controlling Item Ordering
- PowerPivot Metadata

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- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience.
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

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- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

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