

Introduction to DAX for Power BI Desktop Users – Level 3

COURSE OVERVIEW:

This course takes an in-depth approach to the DAX language, teaching designers how to build models that extend the capabilities of source data for more in-depth, customized business intelligence solutions.

WHO WILL BENEFIT FROM THIS COURSE?

Report Builders

PREREQUISITES:

Data Model Design using Power BI Desktop – Level 2

COURSE OBJECTIVES:

- Proper understanding of DAX evaluation
- Controlling evaluation context
- Understanding relational functions
- Error handling within the data model
- Working with complex time intelligence calculations

COURSE OUTLINE:

Lesson 1: Basic DAX Functionality

- Review of Calculated Columns
- Review of Measures
- Rules of Evaluation
- Evaluation Context
- Formatting DAX Code

Lesson 2: Controlling Content & Values

- Controlling Values – DAX
- M Language Custom Functions
- Error Handling

Lesson 3: Content Control Functions

- Iterative Functions
- FILTER Function
- ALL Function
- CALCULATE Function

Lesson 4: Contexts In Relationships

- Working With Many Tables
- Row Context & Relationships
- Elevated Calculated Columns
- Filter Context & Relationships
- Cross Filtering Issues

Lesson 5: Time Intelligence Functions

- Calculating Operating Periods
- To-Date Functions
- Controlling Totals
- Advanced Date Functions
- Prior Year Functions

Lesson 6: Appendix – Power BI Functions M Language

- Power BI Functions: M Language
- Basic M Language Queries
- M Language Syntax
- Adding Columns
- Duplication & Splitting Columns
- IF Expression
- Query Cleanup
- M Language vs. DAX Functions

Lesson 7: Appendix – Advanced Concepts

- Additional Uses Of The ALL Function
- Advanced Data Tables
- Working with Missing Periods
- Working with Non-standard Years
- Parameter Tables
- Banding

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