



PB-202 - Advanced Data Analysis Expressions (DAX)

Overview: DAX is a collection of functions, operators, and constants that can be used in a formula or expression, to calculate and return one or more values. Stated more simply, DAX helps create new information from data already in a Power BI model, such as a growth percentage across product categories or different date ranges. Learning how to create effective DAX formulas will help users get the most out of their data.

Intended Audience: Data Architects, Data Engineers, Business Analysts

Duration: One Day

Prerequisite: PB-101 Introduction to Power BI

- Understanding DAX
 - Syntax
 - Context
 - Expressions
 - Measures
 - Best practices
 - Calendars and Time Intelligence
 - Non-Gregorian calendars (i.e. retail)
 - Fiscal year end
 - Year-to-date, trailing 12 months, period over period analysis
 - Custom time attributes
 - Aggregations
 - Row and filter context
 - Sets and relations
 - Control flow and logical measures
 - Logical operators
 - Conditional measures
 - Security within a measure
 - Quick measures
 - Aggregate
 - Filters
 - Time intelligence
 - Totals
 - Mathematical operations
 - Text
 - Calculated tables
 - Summarize by columns
 - Patterns and practices
 - Aggregations on tables
 - Direct Query
 - Balance on hand
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