

Discovering The Power of Data Analytic Expressions (DAX) Using Power BI and Excel

Course Length: 12hrs (2 Days)

This course is intended to expose the students to the technology of DAX and to familiarize them with functionality of DAX at an advanced level to produce sophisticated DAX calculations by use of the functions of DAX. This course is based on Power BI Besktop and Excel Professional 2013 or higher.

Learning Objectives:

Upon completing this course students will have the ability to utilize and implement DAX functions. They will explore the different parts that make up the DAX formula and cover errors they may encounter. Students will get clarification on more advanced DAX concepts and explore how to work with dates and utilize Time Intelligence. In the final section they will cover many-to-many relationships and demonstrate their use, along with exploring banding and DAX query capabilities. By the end of this course students will:

- Explain and utilize DAX data types and operator overloading.
- Explain and utilize DAX operators.
- Explain and utilize DAX values.
- Understand and utilize PowerPivot Data Model.
- Explain error handling.
- Explain and utilize mathematical functions.
- Explain and utilize statistical functions.
- Explain and utilize logical functions.
- Explain and utilize information functions.
- Explain and utilize text functions.
- Explain and utilize conversion functions.
- Explain and utilize aggregation functions.
- Explain and utilize relational functions.
- Explain and utilize the CALCULATE function.
- Explain and utilize filter functions.
- Explain and utilize single table evaluation context.
- Explain and utilize multiple table evaluation context.
- Create and configure calculated fields.
- Create and configure calculated columns.
- Explain and utilize date functions.
- Explain and utilize working with calendars.
- Explain and utilize using multiple calendars.
- Create and configure date calculations.
- Explain and utilize many-to-many relationships.
- Explain and utilize banding.
- Explain and utilize EVALUATE.
- Explain and utilize advanced DAX capabilities.
- Explain the benefits of DAX Studio.

Target Student:

This course is intended for Power Users, Business Intelligence Developers, and IT Professionals that will be involved with the development of Power BI reports and tabular modeling.

Course Outline:

Section 1: Introduction to DAX

Introduction to DAX
Explaining Syntax
Exploring Data Types
Utilizing Operators

Understanding Values
PowerPivot Data Model
Handling Errors

Section 2: Using DAX Functions

Mathematical Functions
Statistical Functions
Logical Functions
Information Functions
Text Functions
Conversion Functions
Aggregation Functions
Relational Functions

Section 3: Understanding Evaluation Contexts

The CALCULATE Function
Filter Functions
Single Table Evaluation Context
Multiple Table Evaluation Context

Section 4: Working with Dates

Date Functions
Working with Calendars
Using Multiple Calendars

Section 5: Utilizing Advanced DAX Functionality

Many-to-Many Relationships
Banding
EVALUATE
Simplifying Your Life with DAX Studio

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Price: \$1,895.00

Guaranteed to Run

Date: [Wed 1 Jun, 2022](#)

- [Wed 1 Jun, 2022](#) [3]
- [Mon 28 Nov, 2022](#) [4]
- [Mon 13 Feb, 2023](#) [5]

Time: 9:00 am - 4:00 pm

Duration: 2 Day(s)

Language: English

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What You Get:

Training includes 1 course materials, a Certificate of completion, and a voucher for 30 days of After Training Support

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