Power BI DAX Functions

Creating Measures and KPIs

Course Length: 8 Hours

Course Objectives

Upon successful completion of this course, students will understand:

- Calculated Columns vs Measures

- Implicit vs Explicit Measures

- How to write DAX Functions

- How to Create Measures and KPIs

Course Content

1: Introduction to DAX

- What is a Data Model?

- Creating Table Relations

- What is DAX?

- Calculated Columns vs Measures

- Understanding the Syntax of DAX

- Working with Text Functions

- Understanding Implicit vs Explicit Measures

2: Understanding Date Tables

- Creating a Date Table
- Creating a Date Hierarchy
- Using Single Date Functions

3: Creating Measures with DAX

- Using Statistical Functions
- Creating Logical Functions
- Tips for Creating Calculations in Power Pivot
- Creating KPIs

4: Understanding Filter Propagation

- Understanding Filter Context
- Altering the Query Context
- Creating Advanced Filters

5: Basic Iterator Functions

- Understanding Row Context
- When to use X-Functions vs Aggregators
- Using Iterator Functions

6: Incorporating Time Intelligence

- Using DAX Date and Time Functions
- Shifting the Date Context

7: Relationship Building Calculations

- Getting Data from Related Tables

- Using Inactive Relationships in Measures