Power BI
Intermediate

Course Overview

This is an intermediate course for people who already have some experience working with Power BI and are now looking for solutions to more complex problems.

In this technical program, we take a deep dive into data transformation, data profiling and data cleaning with tools like fuzzy match. We also look at more advanced data modelling scenarios and DAX calculations for problems the data model can't solve.

Using our completed data model, we look at efficient ways of building interactive reports, dashboards and apps and help secure them with row level security.

Program Format

This is a one-day program that can be delivered face-to-face or as two half-day virtual programs.

Course Objectives

- Use Power Query effectively
- Deepen understanding of data modelling
- Develop DAX skills
- Increase confidence creating reports & dashboards

Course Outline

Working with Power Query
Common Transformations
Unpivot & Group
Normalise Data
Add Columns

Data Profiling & Cleaning
Profiling Tools
Merge Queries
Fuzzy Match
Introduction to M

Advanced Data Modelling
Best Practice
Handling One-to-One
Handling Many-to-Many
Cross Filter Direction
Bridging Tables

Creating a Calendar
DAX Expressions
Calendar Functions
Date Functions
Text Functions
Logical Functions

DAX Measures
Simple Measures
Evaluation Context
The CALCULATE function
Filter Modifiers

Report Design
Managing Themes
Canvas Backgrounds
Dynamic Titles
Page Navigation

Working with Visuals
Selecting Visuals
Small Multiples
Field Parameters
Sync Slicers
Conditional Formatting
Custom Tooltips

Securing and Sharing
Add Row Level Security
Publish Reports
Create Dashboards
Create Apps

Prerequisites

Attendees will require the following:

- Experience developing Power BI Reports
- Power BI Desktop program
- Two screens (for online courses)

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