Power BI Desktop Advanced
1 Day Course

Overview

This Power BI Advanced course is aimed at experienced Power BI users. The course covers the use of advanced DAX formulas, variables, queries, calendars and delves into the M language behind the Query Editor. Delegates will learn how to customise the data model through advanced visualisations and dashboard tiles.

Audience

Business/Data analysts or anyone who needs to interpret and communicate large quantities of information clearly.

Course Objectives

At the end of this course, delegates will be able to:

- Use advanced relationships to control data
- Use advanced DAX functions
- Work with variables and queries
- Use advanced Visualisation techniques to convey data efficiently
- Design and deploy Dashboards

Prerequisites

Delegates must have good experience in Power BI and DAX or have attended our Power BI Intermediate course.

Course Contents (1 day)

- **Basics Review:** DAX basics, Evaluation context
- **Advanced Relationships**
  - Relationships overview
  - Advanced relationships options
  - Cross filter directions
  - Ambiguity in bidirectional filters
  - CROSSFILTER function
  - Many-to-Many relationships
- **Advanced DAX**
  - Table functions – the differences
    - ALL; VALUES; DISTINCT; ALLNONBLANKROW; ALLEXCEPT
  - FILTER
  - RELATED, RALATEDTABLE
  - EARLIER
  - SUMMARIZE
  - Understanding context transition: CALCULATE and CALCULATETABLE
  - LOOKUPVALUE

  - TOPN
  - Advanced Time intelligence Functions
  - Querying with DAX
- **Variables**
  - Why use variables?
  - Understanding variables
  - Variables scope
- **Parameters**
- **Dynamic Calendars**
- **Advanced Visualisations**
  - Digital Storytelling
  - Buttons and Bookmarks
  - Selection Pane
  - Drill through
  - Tooltip Page
  - Use of Custom Visuals
  - Multiple pages slicers

- **More on Queries**
  - Advanced query techniques
  - Introduction to M
- **Connecting to other sources**
  - Import vs Direct Query and Live connections – *a discussion*

- **Publishing and Sharing**
  - Setting User Role in BI Desktop
  - Publishing a report
  - Creating Dashboards
  - Sharing Dashboards
  - Creating Workspace
  - Publish App