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, RELATEDTABLE
  - 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
  o Advanced query techniques
  o Introduction to M

• Connecting to other sources
  o Import vs Direct Query and Live connections – a discussion

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