



## Power BI Intermediate

### Course Aim

This course is a continuation from the Fundamentals Power BI course.

Learn how to get the most out of Power Query by editing and shaping the data before it lands into Power BI with M code.

Learn about Measures which are powerful functions written with DAX that can extract answers directly from the data.

Use DAX to automate settings inside Visuals and use Bookmarks and Buttons to help consumers navigate your reports.

### What you'll learn:

- Gain insight into business intelligence and how to use Power BI.
- Create a range of interactive visualisations including a range of charts, tables, matrixes and maps.
- How to publish and share your data.

### Course Prerequisites

Power BI Fundamentals is required.

### Course Duration:

Full day: 9:00am - 4:30pm

### Inclusions:

Each participant will receive a comprehensive course manual and will have access to relevant exercise files on-line.

### What to Bring:

- Note pad & pen.
- Examples of work from the office.
- Participants are encouraged to bring along a USB flash drive if you want copies of the work done during class.

### Course Topics:

#### Power Query Editor

- Advanced data transformation
- Cleaning irregularly formatted data
- Adding Columns
- Merge and Append Queries
- Query from a Folder
- View and Edit M Code

#### M Functions

- Text and dates Date functions
- Column from Examples
- Custom Column Functions
- Blank queries

#### Modelling in Power BI

- Database relationships
- Create calculated DAX columns
- Create calculated measures with DAX

#### Dates

- Create Date tables
- CALENDERAUTO function
- Working with time-based data
- Date based data comparisons with DAX
- SAMEPERIODLASTYEAR function
- TOTALYTD and TOTALMTD functions

#### DAX

- Columns and Measures
- CALCULATE
- SUMX, AVERAGEX etc.
- FILTER
- ALL, ALLEXCEPT, ALLSELECTED
- IF, SWITCH, FIND
- RELATED
- Manage Measures
- DAX Structure

#### DAX in Visualisations

- Use Measures to populate Fields in Visualisations
- Conditional Formatting

#### User Navigation

- Bookmarks
- Buttons
- Hyperlinks

#### Custom Tooltips

- Tooltip Page
- Applying Tooltips

#### Power BI Service - Workspaces and Apps

- Creating a Workspace
- Managing Workspace Access
- Publish to a Workspace
- Create and Publish an App