

# Microsoft Power BI Advanced

## Course Outline

### Course Format: One Day

### Max Capacity: 6 People

This course is designed for those already attended the intermediate training, or are already using Power BI Desktop and are ready to work with more comprehensive elements of analysing and reporting in Power BI. The course maintains a balanced look at data analysis, including the Query Editor, with a deep dive into writing DAX formulas, and enhanced dashboard visualisations.

The aim of this course is to provide a more complete understanding of the whole Power BI analytics process, by working with examples that will equip you with the necessary skills to output comprehensive reports and explore Power BI's analytical capabilities with more depth.

### Prerequisite

The assumption is that delegates are already a Power BI Desktop user and are comfortable with the fundamentals. If not, we recommend attending the 2 day Introduction to Power BI course first.

### Course Content

#### The Query Editor

- Group tables
- Split row by delimiter
- Calculate deadlines
- Advanced query editor
- Match data inconsistencies

#### Logical Column Functions

- Contoso source file
- Create a FIND function
- Nesting functions in an IF
- Logical functions IF, AND, OR

#### The CALCULATE Measure

- Understand CALCULATE filters
- Add context to CALCULATE with FILTER
- Use CALCULATE with a threshold

#### The ALL Measure

- Anatomy of ALL
- Using ALL as a filter
- Using ALL for percentages

#### DAX Iterators

- Iterator "X" measure SUMX
- Anatomy of iterators and row context
- A closer look at SUMX

#### Power BI Time Intelligence

- Compare historical data
- Create a DATEADD measure
- Compare historical data in a chart

#### Visualisations Expanded

- Heatmaps in Power BI
- Apply static filters
- Create a lists
- Create a scatter chart
- Add trend analytics to charts
- Create dynamic KPIs
- Create dynamic dashboards
- Customised tooltips