

Power BI Advanced – 2 days



Course Objectives

By the end of this course you will be able to confidently:

- Create and customise a report in Power BI.
- Drilldown into the data in a model.
- Build drill-through reports and relative date reports.
- Create stunning data visualisations including maps, bullet and scatter charts.
- Refresh your data manually and also at pre-set intervals.
- Set security and data permissions.

Prerequisites

It is recommended that you have completed our Power BI Introduction workshop or have equivalent experience before attending this course. It is expected that you will have a working knowledge of Power BI, including using DAX and Measures and creating dashboards.

Exercises

This course is instructor led and includes a number of examples and exercises.

TOPICS

Power Business Intelligence

- What is Power BI?
- Main Concepts
- Power Query
- Power Pivot
- Power BI Desktop
- Power Query

Report Building

- Introduction to DAX
- Implicit vs Explicit Measures
- Creating Measures & Calculated Columns
- Commonly Used DAX Functions
- SUM, AVERAGE, COUNT, DISTINCTCOUNT
- Time Intelligence (MTD, QTD, YTD, Prior Year)
- Understanding 'CALCULATE' and the filter context
- Using Quick Measures
- Build a Monthly Trend Report
- Types of Slicers and Filters
- Using Field, Format, Analytics Pane
- Building Tabular Reports
- Replicating Excel Pivot Tables
- Types of Conditional Formatting
- Optimizing the Matrix Layouts

Report Functionality

- Adding Drill-Downs
- Creating Drill-Through Reports
- Filtering Reports by Relative Dates
- Viewing the Underlying Data Driving a Visualization
- Customizing Report Visual Interactivity
- Exporting Data from Power BI
- Build a Qty Shipped vs Qty Sold Report
- Building Reports using Q&A
- Optimizing Report Slicers

Report Visualisations

- Choosing Visuals Based on Context
- Using Custom Visuals
- Optimizing the use of Maps
- Getting Value from Scatter, Ribbon & Bullet Charts

Optimizing the Design

- Adding & Optimizing Tool Tips
- Visual Alignment Tips
- Custom Page Sizing
- Using Logos & Custom Icons

Governance & Distribution

- Understanding Row Level Security
- Creating and Testing Security Roles
- Publishing Models to the Cloud Service
- Basic Sharing of Dashboards & Reports
- Creating App Workspaces
- Adding Users & Editing Workspaces
- Connecting to Apps / MS Teams

Scheduled Data Refreshing

- Overview of the Data Gateway
- Scheduling Data Refreshes
- Refreshing On-Demand

NB If you are attending online, you must have Power BI Desktop to be installed. At the time of writing this, it is available as a free download.