Advanced Power BI Data

2 day training course





Course contents

This course will cover the following topics. Those marked with (*) will be covered if time allows.

Column transforms

- Splitting (3 methods)
- Extracting data
- Merging columns

Creating columns

- Columns by example
- Custom columns in M
- Conditional columns
- Index columns

Combining queries

- Combining files from folders
- Merging queries
- Fuzzy merge
- Appending queries

Manipulation transforms

- Pivoting and unpivoting
- Grouping queries
- Transposing data

Normalising tables

- Getting unique lists
- Adding id numbers
- Replacing text with id numbers
- Final relationships

Dealing with errors

- Data profiling
- How Power Query handles errors
- Fixing errors in situ
- Fixing in a separate table

Dataflows

- Creating dataflows
- Using dataflows in Power BI Desktop

Simple parameters

- Creating parameters
- Switching data sources
- Using to filter data
- Parameters and templates

Dropdown parameters

- Dropdowns based on lists
- Dropdowns based on queries

Stored procedures

- Loading from stored procedures
- Dynamic parameters

Row-level security

- Creating roles
- Creating DAX permissions
- Testing roles

Dynamic connections

- Dynamic SQL Server connections
- Dynamic Excel workbook links
- Dynamic worksheet links

Custom functions

- How custom functions work
- Case study - parsing postcodes
- Case study - combining worksheets
- Case study - combining webpages

APIs (*)

- How they work
- Simple examples
- Exchange rates
- Bridging tables

Power Apps and Power BI

- Data constraints
- Adding a Power Apps visual
- Embedding Power Apps visuals

Power Automate and Power BI

- Power Automate visuals
- Creating and assigning flows
- Formatting your button

Loading HTML (*)

- The HTML.Table function
- Scraping websites in Power Query

JSON and XML (*)

- Parsing JSON
- Expanding your results

Data insights (*)

- Language detection
- Key phrases
- Sentiment analysis
- Image tagging

Pre-requisites for Advanced Power BI Data course

To attend this course you must be familiar with creating Power BI reports, and in particular must be familiar with transforming data using Power Query Editor.

Prices

Venue	Address	Price per place
London	Landmark, 99 Bishopsgate, London EC2M 3XD	£1,525 per person + VAT
Manchester	Holiday Inn, 25 Aytoun Street, Manchester M1 3AE	£1,150 per person + VAT
Online	Your home or office!	£995 per person + VAT

Scheduled Dates

Dates	Venue	Times	Price per place	Booking
Mon/Tue 25-26 January 2027	Online	09:30-16:30	£995 + VAT	Book this
Mon/Tue 15-16 March 2027	Online	09:30-16:30	£995 + VAT	Book this
Thu/Fri 06-07 May 2027	Online	09:30-16:30	£995 + VAT	Book this
Thu/Fri 24-25 June 2027	Online	09:30-16:30	£995 + VAT	Book this

If you can't see the dates that you want, ask us about organizing a customized course at your office (we'll provide and set up the computers), or else an online course tailored to your needs.