

# Writing M for Power Query

2 day training course



## Course contents

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

### Power Query Basics

- Power Query in Power BI
- Power Query in Excel
- Creating basic queries

### Writing M Code

- The Advanced Editor
- The let expression
- Variables in M
- Order of statements

### Working with Data

- Values and data types
- Using built-in functions
- Lists, records and tables

### Getting Data

- Connecting to a source
- Extracting data
- Returning a table

### Working with Columns

- Removing and reordering
- Setting data types
- Splitting columns

### Working with Rows

- Skipping rows
- Dealing with header rows
- Applying filters
- Sorting data

### Calculated Columns

- Basic calculations
- Conditional columns
- Nested if expressions

### Structuring Code

- Dividing long queries
- Referring to queries
- Assigning queries to groups

### Writing Functions

- Nesting functions
- Creating separate functions
- Parameters and types
- Invoking functions

### Error Handling

- The try statement
- Raising errors
- Catching exceptions

### Manipulating Tables

- Grouping and aggregating
- Transposing
- Pivoting and unpivoting

### Combining Data

- Appending queries
- Merging queries
- Adding Keys

### Parameters in Power BI (\*)

- Creating parameters
- Referencing parameters
- Dropdown parameters

## Pre-requisites for Writing M for Power Query course

To attend this course you should be familiar with the concepts of extracting, transforming and loading data.

### Prices

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

### Scheduled Dates

We don't currently have any dates scheduled for this course, but it's always worth contacting us to see if we'll add some. Alternatively, ask us about organizing a customized course at your office (we'll provide and set up the computers, or an online course tailored to your needs).