



🕒 2 days

# Excel and Power BI Data Modelling

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## Course Overview

Gain practical skills to clean, structure, and visualise your data with Excel and Power BI. This course covers Power Query, Power Pivot, and Power BI, equipping you to build data models and create reports that help you make well-informed decisions.

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## Course Highlights

- Clean, combine and transform data using Power Query
  - Build and manage data models in Power Pivot
  - Connect to and manage multiple data sources
  - Write and apply DAX formulas and measures
  - Create interactive reports with Power BI visualisations
  - Apply time intelligence and use date tables for analysis
  - Publish and share reports using Power BI tools
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## Perfect For

- Data analysts and reporting professionals
  - Finance teams working with large datasets
  - Managers responsible for business reporting
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## Requirements

This 2-day Excel and Power BI Data Modelling Training Course provides a complete toolkit for transforming raw data into actionable insights. From mastering Power Query for data preparation to exploring Power Pivot for building robust models and using Power BI's visualisation capabilities, this course empowers you to take charge of your data workflows.

With practical, hands-on guidance from an expert, you'll be able to create effective reports, manage multiple data sources, and work with advanced features including DAX formulas, time intelligence, and cloud publishing. The focus is on providing real-world skills you can apply in your business straight away.

This course is designed to optimise your organisation's data processes, turning raw datasets into valuable insights. You will build data models that simplify complex information, visualise trends with dynamic reports, and collaborate using Power BI's sharing and publishing features. These practical skills equip you to make confident, data-driven decisions to support your business.

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## Course Outline

### 1 Introduction to Power Query

- Introduction to Power Query
- Power Query User Interface – A Walkthrough
- Importing Data Rules and Best Practice

### 2 Data Preparation

- Combine or Merge Multiple Files from a Folder
- Importing Data from the Web
- Merge Queries vs. Append Queries
- JOIN Types for Beginners
- Understanding JOIN Concept and its Types
- JOINS in Action – Basic Example
- Quick DOs and DONTs for Merge Queries
- Merging Queries with More than 1 KeyID Column
- Fuzzy Lookup

### 3 Power Pivots

- Introduction to Power Pivots

### 4 Connecting to Different Sources

- Pasting Data into a Power Pivot
- Overview of Results
- Importing Data from Excel and SharePoint Lists to Power Pivot

### 5 Working with Multiple Table Data Sources

- Importing Data from Data Feeds into Power Pivot
- Managing Data in a Power Pivot Window
- Excel (Linked Tables) as a Data Source

### 6 Power BI

- Introduction to Power BI

### 7 Introduction to DAX Formula & Measures

- Formula
- Measures
- Quick Measure

### 8 Date Tables and Time Intelligence

- Creating Date Tables
- Time Intelligence Formulas and Measures

### 9 Visualisations

- Table
- Matrix
- Charts
- Maps
- KPI (Key Performance Indicator)
- Conditional Formatting
- Spatial Intelligence

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**Publishing Reports**

- Publishing Reports to the Cloud
- Sharing Reports with Others
- Exporting Data to PowerPoint or Excel

## Why Choose Future Savvy?



### Expert Instructors

Learn from experienced trainers with real-world expertise



### Practical Hands-On Learning

Interactive exercises and real-world scenarios throughout



### Certificate of Completion

Receive a professional certificate to validate your skills



### Flexible Delivery

Available in-person, online, or at your workplace

### Need to Tailor This Course?

We can customise the content, duration, and delivery method to perfectly match your team's needs and skill levels.

[Get in touch for bespoke training →](#)

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