



Customised IT and Soft Skills training to suit your needs

Power BI

Course Objectives

Importing Data into Power BI

Data Modelling

DAX and Calculations

Interactive Data Visualisations

Power BI Service

Audience

This course will benefit those who analyse data and create reports. Getting data from different sources and producing dashboards and reports.

Prerequisite

Learners should have **Intermediate/advanced level of knowledge** of Microsoft Excel **including knowledge of Pivot Table**

Duration

This is a **Two-day Power BI** course. The course starts at **09:30** and runs until **16:30**. **Alternate timings** can be arranged upon request. The course can be held on a **date that suits you**.

Location

Our **Power BI** course can be run at **our training venue** near **Liverpool Street (London)** or any preferred location in the **UK or Europe**.

Power BI course content

What is Power BI?

Power Query
The Data Model/Power Pivot
Rich interactive visualisations
Power BI Desktop and Power BI Service

The Power BI Desktop Interface

Different Views
Visualisation and Fields pane
Power BI Desktop Options

Getting Data into Power BI

From Text Files
From CSV files
From Web
From Folder
From Excel ranges and sheets

Understanding Power Query

Understanding the Power Query interface
Renaming and deleting steps
Cleaning messy data example
Refreshing a query
Power Query Options

Common Power Query Features

Unpivot Columns
Setting Data Types
Append Queries
Merge Queries

Creating the Data Model

Create table relationships

Edit and delete relationships

Understand filter context

Tables & Columns - Understanding basic data structure.

Data View - Seeing your underlying data values

Exploring Data - Easy data profiling

Managing Schema & Data Changes - Dealing with issues of change control

Connections & Tables - Data lineage.

Data Refresh - Optimising new data acquisition.

Relating Tables - Telling Power BI how your data relates internally.

Rules & Limitations - Filter flow options and consequences.

Auto-Detecting - Pros and cons of saving design time

Relationship View - Working on your data model structure

Getting Started with DAX

How is DAX different to Excel Formulas

Calculated Columns vs Measures

Creating a Calculated Column

Creating Measures

Using Common DAX Functions

Lookup and Filter DAX Functions

Why these functions are useful?

RELATED Function

CALCULATE Function

FILTER Function

Interactive Visualisations

Adding tiles to a Report

Creating Charts

Using Geographic Data

Creating Matrixes

Using Slicers

Other Filter tools (Report, Pages, Visualisations)

Editing Interactions

Highlight vs Filter

Formatting Visualisations

Drill Down

Power BI Service

Publishing your Report

Mobile Layout

Reports and Dashboards

Bookmarks

Understanding Gateways

Refreshing your Reports



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