
Power BI Data Ingestion and Modelling – One Day Course Agenda

Overview

This course covers advanced Power BI topics and troubleshooting for ingesting data and modelling your data for visualisations/dashboards in Power BI, including best practice methods. The hands-on sessions is focused on report developers and allows for attendees to learn about; creating and sharing data models, advanced DAX concepts, row level security, data refreshes and more.

Learning Outcomes

At the end of this course delegates will have gained the following knowledge and capabilities:

- Understand the Power BI Ecosystem and Terminology
 - Know the data sources and formats compatible with Power BI
 - Effectively ingest, and shape data using Power BI using Power BI Desktop and Power Query.
 - Enhance data by combining multiple data sources in Power BI.
 - Effectively model data for analysis in Power BI.
 - Be proficient with the fundamentals of DAX and enhancing datasets with custom columns, measures, and tables.
 - Understand advanced DAX features such as variables and Row Level Security.
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One Day Course – Example Agenda



#	Topic
1.	Introduction to the Power BI Ecosystem and Terminology <ul style="list-style-type: none">• Power BI Desktop• Power BI Service• Reports, Datasets, Dashboards, Apps
2.	Introduction to Data Wrangling and Shaping <ul style="list-style-type: none">• Navigating Power BI Desktop• Power Query• Data Cleansing and Shaping
3.	Advanced Shaping <ul style="list-style-type: none">• Combining Data• Creating relationships• Making user friendly datasets
4.	Beyond Initial Shaping <ul style="list-style-type: none">• Using parameters• Introduction to DAX• Columns• Measures• Tables
5.	Advanced DAX <ul style="list-style-type: none">• Your DAX Arsenal• Practical use cases• Using Variables• Row Level Security
6.	Publishing and Testing Your Dataset <ul style="list-style-type: none">• Scheduling Automatic Data Refresh• Connecting to your Dataset• Extracting insights• Maintaining your Dataset
7.	Summary and close