

Course Outline

Microsoft Excel 2016 Business Intelligence Tools



Including: Power Pivot, Queries, 3D Map & Microsoft Power BI Visualisations

Duration: 2 days

Are you a power Excel user? Are you forever trying to make sense of ever-growing piles of data? Do you need easy, intuitive tools to allow data discovery, visualisations, and collaboration? Excel, always great for analysing data, is now even more powerful with its suite of Business Intelligence tools. With Excel 2016 Business Intelligence tools you can give everyone in your organization a powerful new way to work with data. On this course, learn about the skills you need to provide faster data insights to your organisation, including Power Pivot, Queries, 3D Map and Microsoft Power Bi Visualisations.

What you will learn:-

Power Pivot

What is Power Pivot for Excel
Importing Your Data
Creating a PowerPivot Data Model
Creating PivotTables with PowerPivot
Generating a Date Table
Using Slicers to Filter Data
Connecting Slicers to more than one PivotTable
Using Charts and Slicers to create interactive Dashboards

Using DAX
Creating Calculated Columns & Measures
Implicit and Explicit Measures
Using DAX aggregate functions in a PowerPivot PivotTable
Using CountRows and DistinctCount Functions
The difference between evaluations using Row Context and evaluations using Filter Context.
Advanced DAX functions: SUMX and CALCULATE
Time Intelligence Functions

Queries

Importing data from various data sources
Creating a Query, the Query Editor Window
Load to Worksheet and Load to Data Model
Remove Duplicate Data in Columns
Split and Merge Columns of Data
Group data to create summary Queries
Merge and Append Queries

Transpose Data to swap Rows and Columns
Filling data Down to populate missing values
Unpivot Columns: flatten a "cross tab" table
Duplicate Columns
Creating Custom Columns and Additional Date Columns
Working with Applied Steps
Importing Data From a Folder

3D Map

Create a Power Map and Plot Geographic Data
Creation Visualisation; Column, Bubble, Heatmap, Regions
Using the 3-D Environment
Using Charts with Power Maps

Working with Layers and adding Scenes
Adding Annotations
Visualising Data over Time
Playing the Tour

Microsoft Power BI Visualisations

What are Power Bi Visualisations?
Creating a Microsoft Power BI Account
Downloading Power BI Desktop
Importing data into Power BI
Transforming & Cleaning data in Power BI
Creating calculations in Power BI

Creating a variety of interactive visualisations
Publishing Visualisations to PoweBI.com
Creating Dashboards
Sharing your Dashboards