



The Excel Power BI Tools

Delegate Pre-Requisites

Aimed at delegates with a high level of experience using Excel and Pivot Tables combined with an understanding of relational data bases

Course Duration

This is a Two Day Course

Course Details

Courses commence at 9:30 a.m. - 4:30 p.m.

A laptop computer is provided for each delegate attending on this packed programme to try out the tips and techniques demonstrated

All delegates will receive Training Courseware to refer to during the course, together with a Course Attendance Certificate

Corporate Courses

On-site Corporate courses are available - you provide the Conference Room ... we bring everything else!

Target Audience

This course is suitable for users who are not familiar with the Power BI Tools and wish to gain an understanding of the features and advantages of the tools available and for users looking to add value to the data they are currently manipulating.

This two-part course gives an introduction into the Power BI tools when analysing data from databases, Excel worksheets and other sources. It includes using 'Dashboards' to build interactive applications to review the data at the click of a button. In addition to the graphical tools, PowerPivot includes Data Analysis Expressions (DAX) - a new formula language that extends the data manipulation capabilities of Excel - this course gives an introduction to enabling more sophisticated and complex grouping, calculation and analysis with performance enhancements.

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Introduction to Power BI

- ◆ What is Power BI?
- ◆ The Power BI service
- ◆ Power BI Desktop
- ◆ Desktop Settings

Modelling Data

- ◆ What are Relationships?
- ◆ Viewing Relationships
- ◆ Creating Relationships
- ◆ Cardinality

Data Sources

- ◆ Connecting to Files
- ◆ Importing Excel Files
- ◆ Connect to Server Data (SQL Server)
- ◆ Other Data Sources
- ◆ Managing Data Relationships

Filter Data

- ◆ Visual Level Filters
- ◆ Slicers
- ◆ Page Level Filters
- ◆ Row-Level Security: Roles
- ◆ Parameters
- ◆ Cross Filter Direction

Shaping and Combining Data

- ◆ The Query Editor
- ◆ Applied Steps
- ◆ Advanced Editor
- ◆ Shaping Data
- ◆ Formatting Data
- ◆ Combining Data
- ◆ Merging Data
- ◆ Join Types
- ◆ Transforming Data
- ◆ Hierarchies
- ◆ Creating Groups

Interactive Data Visualisations

- ◆ Creating Tables
- ◆ Creating Charts
- ◆ Create Tree Maps
- ◆ Create Cards
- ◆ Create KPI's
- ◆ Multiple Visualisations Interaction
- ◆ Using Geographic Data
- ◆ Report Page Layout and Formatting



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Our team will be happy to give you the options and pricing

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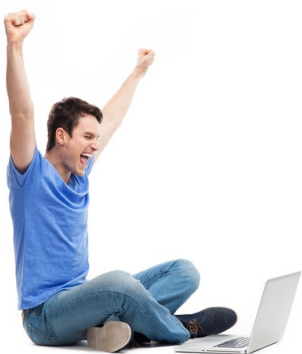
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Working with Calculations

- ◆ What is DAX?
- ◆ Syntax
- ◆ Functions
- ◆ Context
- ◆ Calculated Columns
- ◆ Calculated Tables
- ◆ Measures

The Power BI Service

- ◆ Reports and Dashboards
- ◆ Datasets
- ◆ Service Settings
- ◆ Dashboard and Report Settings
- ◆ Content Packs
- ◆ Data Refresh



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