



The Excel PowerBI Tools Data Analysis for Business Intelligence

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. through to 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

Schedule Courses

Off-site scheduled courses are available at a location near you - this course is available on our current programme - call our team for more details

Corporate Courses

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

Modular Courses

Bite-sized 'modular' courses are available where you can build your own day course covering the topics that suit you - these are half day modules that you can mix and max

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



Target Audience

Aimed at users who need to transform and present data to provide Business Intelligence. This advanced Excel course covers effective manipulation of large data files from multiple sources and uses the BI tools to summarise, aggregate and communicate data using visual dashboards. Shape and filter tables, transform and present data to provide improved business insights and empower informed decision making.

The Content

WHY POWERPIVOT?

- * Working within Pivot Tables in PowerPivot
- * Power BI in Excel
- * Power Bi - The bigger picture
- * Enabling PowerPivot

BUILDING THE DATA MODEL

Defining a consolidated view of data

- * Generating a data mashup from structured and unstructured data sources into a data model
- * Deriving relationships from data sources with the Relationships tool and the Diagram View

Denormalising data to simplify usage within other BI reporting tools

- * Acquiring data from related tables
- * Defining calculated columns
- * Consolidating information available to BI tools

Querying SQL Server data

- * Designing queries to import data from SQL Server
- * Relating tables with outer joins

Fixing common data issues with Power Query

- * Extracting, Transforming and Loading (ETL) data
- * Converting data formats with Power Query steps
- * Parsing columns to aid analysis
- * Removing duplicates from a data set
- * Constructing a single data set from multiple sources with the same field headings

MANIPULATING & ANALYSING WITH DATA ANALYSIS EXPRESSIONS (DAX)

Defining measures for business performance

- * Distinguishing the role of measures
- * Translating key business concepts into measures
- * Providing context for measures within a PivotTable
- * Determining between implicit and explicit measures

Implementing DAX functions in PowerPivot

- * Expressing information with measures
- * Exposing hidden information from data
- * Troubleshooting and debugging DAX calculations

Exploiting data analytics with aggregation

- * Quantifying and mining information with DAX functions
- * Summarising and aggregating data from other tables with the X functions
- * Evaluating expressions with the CALCULATE() function and filter functions
- * Substituting values with the SWITCH() function

Mining for information with date and time analysis

- * Grouping dates for time analysis
- * Comparing and categorising time periods with Time Intelligence functions

Setting key business targets with KPIs

- * Analysing performance with measures
- * Gauging performance against goals

DASHBOARDS

Articulating and analysing data

- * Drilling down into data using a hierarchy
- * Managing data with perspectives
- * Identifying patterns and trends in your Power Pivot data with Power View charts
- * Classifying data into different geographical regions

Designing effective dashboards

- * Contextualising measures with PivotTable slicers and Power View filters
- * Documenting structures with Hierarchical Diagrams
- * Visualising and comparing performance matrices with Power View multipliers
- * Globalising location-based results to identify trends and patterns on a 3D scale with Power Map

CREATING TEAM BI SOLUTIONS

- * Defining the requirements for a team solution
- * Coordinating results with team members
- * Sharing a PowerPivot solution

Call our team 01527 836840



Email sales@fasttrackcomputertraining.co.uk Website www.fasttrackcomputertraining.co.uk