# Fast track Power BI and DAX

## 3 day training course







## Course contents

This course will cover the following topics. Those marked with (*) will be covered if time allows.

From our Introduction to Power BI course

### Basic reports

- Getting data
- Basic visuals
- Shapes, text boxes and images

### Data sources

- SQL Server / databases
- Excel / CSV files
- Websites

### Working with visuals

- The formatting pane
- Conditional formatting
- Visual interactions

### Charts

- Creating charts
- Bubble and other charts
- Grouping data
- Small multiples

### Matrices

- Row and column headers
- Drill-down

### Dashboard visuals

- Gauges
- Cards
- KPIs

### Query editor

- Filtering rows
- Manipulating columns
- Working with data types
- Creating new columns

### Creating data models

- Relationships
- Hiding fields and tables
- Renaming fields/tables

### Filtering data

- Slicers
- Using the filter pane

### Drill through

- Adding drillthrough filters
- Creating back buttons
- Button drill-through

### Azure maps

- Latitude and longitude
- Creating basic maps
- Bubble, heat and cluster maps
- Tweaking maps

### Basic publishing

- Power BI Service
- Workspaces
- Dashboards and tiles
- Lineage view

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## From our DAX for Power BI course

### Writing DAX

- Basic DAX syntax
- Referring to columns
- Commenting code
- Code layout

### Data model basics

- Importing data
- Creating a data model

### Calculated columns in DAX

- Creating calculated columns
- IF and SWITCH
- Showing RELATED data
- Dealing with blanks

### Basic measures

- Creating measures
- Understanding filter context
- Using a measures table

### The CALCULATE function

- Manipulating filter context
- Adding filters
- Removing and replacing filters

### Filters and relationships

- Cross filter direction
- Filter propagation
- The CROSSFILTER function

### Dynamic measures (*)

- Dynamic titles
- The SELECTEDVALUE function
- Disconnected slicers

### The FILTER function (*)

- Calculating a table
- Adding filters
- FILTER vs. CALCULATE

### Variables

- Declaring variables
- Returning a result
- Debugging with variables

### Time intelligence

- Automatic calendars
- Time intelligence functions

### Custom calendars (*)

- Creating custom calendars
- Financial years
- Multiple relationships

## From our Advanced Power BI Reports course