Introduction to DAX 2-Day Workshop

Course Information

Overview
DAX (Data Analysis Expressions) is the native language of Power BI, Power Pivot for Excel, and SSAS Tabular models in Microsoft SQL Server Analysis Services. The training is aimed at users of Power BI, Power Pivot, and at Analysis Services developers that want to learn and become confident users of the DAX language.

The goal of the course is to teach the basic features of the DAX language, providing the knowledge to write formulas for common business scenarios.

The course is a combination of Power Point presentations, Instructor demonstrations, and hands-on activities. During the 2 days, the training will also provide delegate activity labs and cover more functions than our 1-day offering.

On completing the course attendees will be provided with a set of course reference notes in a pdf format.

Prerequisites
You should be a competent Microsoft Excel user, with experience of writing excel formulas. Attendees do not require any experience of using DAX, but we recommend that you attend our 2-day Microsoft Power BI Introduction course prior to taking this course.

Introduction to DAX
What is DAX
Why do we need DAX in Power BI
Why Learn DAX
The DAX Structure
DAX Formatting

Basic DAX functions
SUM, SUMX
COUNT, COUNTX, DISTINCTCOUNT, COUNTROWS
AVERAGE, AVERAGEX
MAX, MAXX
MIN, MINX

Logical functions
IF
SWITCH
AND, OR
TRUE, FALSE, NOT
IFERROR

Filter functions
CALCULATE
FILTER
HASONEVALUE
VALUES
ALL, ALLSELECTED, ALLEXCEPT
ISFILTERED

Relationship Functions
RELATED
RELATEDTABLE
USEREALTIONSHIP

Date & Time Functions
CALENDAR, CALENDARAUTO
DATE
DATEDIFF
DAY
TODAY
WEEKDAY, WEEKNUM
YEAR

Time-intelligence functions
DATEADD
LASTDATE
SAMEPERIODLASTYEAR
DATESBETWEEN
DATESINPERIOD
TOTALMTD, TOTALQTD, TOTALYTD
DATESMTD, DATESQTD, DATESYTD

Other useful functions
SUMMARIZE
ROLLUP
DIVIDE
TOPN
FORMAT
RANKX
BLANK

Introduction to calculated tables in Power BI Desktop
What are calculated tables
What is a Date Dimension table
Using DAX to create a Date Dimension table

Variables
What is a variable and what are the benefits of using variables in complex formulas.

Information Functions
CONTAINS
ISBLANK
ISERROR
ISEVEN
ISINSCOPE
ISLOGICAL

To find out more or book a place on one of our virtual public scheduled courses contact our admin team on 0247 736 0040 or email admin@datacraftsolutionsltd.com.

Multiple delegate booking? Contact the team for a private virtual or on-site course.