



Microsoft Excel Power Pivot Basic

Do you want learn how to make a Power Pivot model in Excel? And make a report with pivot tables and pivot charts? Then this course might be interesting for you! Data comes from various sources, from linked Excel tables, from text files or from databases. You will learn the differences between a flat database and a relational database and you will get acquainted with DAX functions and learn how to use DAX functions with your data.

Course duration

The duration of this course is six hours, completed in one day.

Audience

This Excel Power Pivot basic course is suitable for experienced Excel users who want to generate and design analyses and reports from different data sources. You can find the necessary prior knowledge in our Excel Basic and Excel Advanced - Tables & Databases course.

Prerequisites

Knowledge of Excel Basic and Excel advanced is necessary for this course.

Summary

Install or activate Power Pivot in Excel

- How to get Power Pivot in Excel
- Power Pivot screen layout



Differences between the Excel and Power Pivot data model

- Trad. cell range vs. Tables in Excel
- Create tables in Excel .xlsx and .xls
- Calculations with Excel tables
- Benefits of tables in Excel
- Tables in the data model
- Advantages of tables in the data model

Import data

- Link an Excel table
- Import an Excel table
- Link text and CSV files
- Data from other data sources linking (Access, SQL, ODBC ...)
- Data from Power Query
- Edit or restore connections

Edit imported data

- Do not import certain columns, remove or hide
- Change order and column names
- Sort and filter data

Multiple tables

- Create relationships between tables
- Primary key vs. strange key
- Facts tables and Dimension tables
- Advantages with respect to VLOOKUP () in Excel
- Create hierarchy



Create pivot tables

- Create relationships between tables
- Pivot tables a short repetition
- Create rotation tables using the data model (multiple tables)
- Use of implicit calculations
- Create a turntable
- Create and connect slicers with Pivot tables and graphs
- Use Timeline's
- Conditional formatting in pivot tables

Create calculated columns in Power Pivot

- Calculated columns with arithmetic
- Operators pros and cons.
- Calculated columns with functions
- The RELATED () and RELATEDTABLE () functions

Create explicit calculations

- Measurements
- Measurements vs. implicit calculations
- Measurements vs calculated columns
- DAX functions
- SUM (), COUNT (), DISTINCT COUNT (), MIN (), MAX (), IF

Create a KPI

- Evaluate a measurement and present it by making a KPI



Introduction DAX Functions

- Some important DAX functions: SUMX (), COUNTX (), CALCULATE () and ALL ()