Power BI Desktop Advanced - 2 days

Go a step further than you have learned in the Power BI Desktop & Online Basic training and make reports based on your data at an even higher level. What will you learn?

- You go even deeper into Power BI Dekstop & Online
- Transform and manipulate it with advanced tools such as parameters and functions in Power Query. View and adjust the M code in the editor.
- Create relationships between the different data sources. Active relationships, inactive relationships and the filter direction in relationships. Changing these relations in calculations if necessary.
- A great part of attention is also paid to the proper design of a model, choices for column calculations or measurements.
- DAX formulas and calculated columns are the engine behind your reports.

Audience group
This course is intended for BI consultants, analysts, power users, end users, IT professionals and advanced Excel users who want to become familiar with the possibilities that Power BI Desktop & Dax offers on an advanced level.

Prior knowledge
To participate in this Power BI training, the student must at least master the topics from the Excel Advanced training and the Power BI Desktop level 1 training.

Content

Context
Explanation of various types of context;
- Row context
- Selection context
- Filter context

Short repetition Power BI Desktop basis
- Importing data
- Repetition of the data model set up
- Create different date labels

Tables for measurements
- When do people use a measurement table?
- How do you set up a measurement table?
- Correct classification of basic measurements and floor measurements.
- When to use a measurement and when to use a column calculation?
-When using an implicit or explicit measurement?

Calculate function for Dax
- Extensive use of Calculate in combination with other filters (or anti-filters) alculate function for Dax
- CALCULATE with OR combination in Filter
- CALCULATE with ALLSELECTED FUNCTION
- CALCULATE with ALLEXCEPT FUNCTION

Use CALCULATE with ALLSELECTED FUNCTION
Passive (inactive) relationships
- Set up multiple relationships to 1 table
- Creating multiple relationships
- USERELATIONSHIP FUNCTION

Understanding relations (many to many)
Relations 1: Basics

Use of variable in Dax
- Use of variable piece instead of extensive DAX functions
- Assignment with 1 Variable
- Assignment with 2 Variables
- Extra assignment with 2 Variables

Help or send tables
- Create help tables: for percentage difference in Slicer
- Create help tables: for currency Calculations difference in Slicer

Most used DAX functions
- SUMX FUNCTION
- RANKX FUNCTION
- FILTER FUNCTION
- TOPN FUNCTION
- EARLIER FUNCTION
- RELATEDTABLE FUNCTION
- DATESMTD-QTD-YTD FUNCTION
- TOTALMTD-QTD-YTD FUNCTION
- SAMEPERIODLASTYEAR FUNCTION
- DATEADD FUNCTION
- PARALLELPERIOD FUNCTION

Dynamic titles
- Creating dynamic title
- Extra Assignment Extended Dynamic title

Targets (day) versus Actuals (day)
- Define Months
- Group
- Merge Targets and Actuals
- Extra specification Targets and Actuals

(Re)new(ed) Items
- Activate beta settings for future use [preview features:] and use the updated Items
- Updated: Drill through to other pages
- Updated: Bookmarks [Bookmarks]
- Use of buttons
- Build a toggle button [Toggle button]
- Wat is spotlight?

- Updated: Ask a question to your data (Q&A): Local
- Updated: Analysis of increases or decreases
- Updated: Themes through JSON
- Java Script Object Notation
- Use of themes
- setting up corporate identity
- Updated: Button info [Tooltips], via a graph
- Importing data from a PDF file

Templates
- Templates general
- Create templates
- Use templates
- Save as Templates

Parameters
- Creating dynamic Parameter
- Use dynamic Parameter
- Intermediate command: Delete parameter
- Use parameter in Template

Cumulative columns
- Cumulative Columns via Calculate, Filter and MAX
- Counting and cumulative Columns via RANKX, FILTER and EARLIER

Extra visualization & additions new versions
- Sparklines
- Table Sorter
- Gantt diagram
- Star rating

Histogram
- Histogram: group [BIN] the data in advance
Histogram: use the Histogram visualization

Forecasting models
- ForeCasting through Visualization
- Advanced: Forecasting through Time Intelligence

- Relations 2: Cross filter direction [Cross Filter Direction]
- Relations 3: Many on many relationship solving with intermediate table