

Section 1

Welcome

- Software Requirements - PowerPivot
- Activating PowerPivot on Excel 2013 and 2016
- Installing PowerPivot on Excel 2010

Section2

Creating our first model in PowerPivot

- Creating our first model in PowerPivot
- Using our first model in Excel
- Creating and deploying our first model in Excel 2010
- Adding a second table - Importing Data from SQL Server
- Importing Data from SQL Server
- Practice Activity Number 1 - Solution

Section: 3

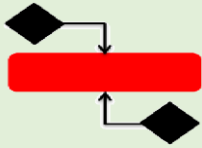
Using the Tabular Model (SSAS in SQL Server)

- Attaching AdventureWorksDW
- Creating and deploying our first model in SSAS
- Adding additional tables
- Introduction to Practice Activity
- Practice Activity Number 2 - Solution
- Importing Data from Excel
- Having problems importing from Excel?

Section: 4

Developing the Data Model

- Filtering, sorting and formatting fields
- Hiding columns from Client Tools, and other column tools
- Refreshing (or processing) data
- Creating quick measures



- Perspectives
- Hierarchies

Section: 5

Pivot Tables functionality

- PivotTable structure, and non-Visual Totals
- Show no data in rows and columns
- Create running totals
- Slicers and Timelines
- Using formulas to query Data Model (Advanced)

Section: 6

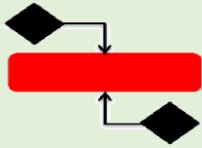
An introduction to DAX functions, including Logical functions

- DAX functions - An Introduction
- Calculated columns - an introduction
- Basic operators
- IF
- BLANK and ISBLANK
- AND, OR and NOT
- SWITCH
- Other functions

Section: 7

Statistical functions

- Measures - an introduction
- Aggregation of columns
- Aggregation of calculations
- DISTINCTCOUNT
- RANKG.EQ
- Other functions



Section: 8

Mathematical functions

- Rounding functions
- Division functions - MOD and QUOTIENT
- SIGN (and use with SWITCH) and ABS
- Exponential functions
- Other functions

Section: 9

Text functions

- Text searching
- Text extraction and substitution
- Text conversion
- Other functions

Section: 10

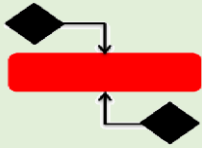
Information Functions

- ISERROR and LOOKUPVALUE
- Other functions

Section: 11

Filter and Value Functions

- RELATED
- RELATEDTABLE and COUNTROWS
- Context
- FILTER
- ALL
- CALCULATE
- ALLEXCEPT
- ALLSELECTED
- Other functions



Section: 12

Time Intelligence Functions

- Date and Time Functions
- FIRSTDATE, LASTDATE
- Start of... and End of...
- Previous... and Next...
- DATESINPERIOD
- DATESMTD, DATESQTD, DATESYTD, TOTALMTD, TOTALQTD, TOTALYTD
- Opening Balance and Closing Balance
- SAMEPERIODLASTYEAR and PARALLELPERIOD
- Other Functions

Section: 13

Installing SQL Server 2016

- Downloading SQL Server back engine - the Developer edition - for free!
- Installing SQL Server back engine
- Installing SQL Server Front Engine