Beyond Excel II.

Course code: MSEXNL2

Who is the course forThe course is intended for all users who are already familiar with main Power BI (self-service BI) tools - PowerQuery and PowerPivot and want to knows, what are the possibilities of the visualization of PowerBI data analysis. And they also want to learn the specifics of solution based on SQL Server & Analysis services - data cubes and data mining algorithms.
Required skillsKnowledge of PowerQuery a PowerPivot addins in the scope of MSEXNL - Beyond Excel I.
Teaching methodsProfessional explanation with practical samples and examples.
Teaching materialsPrinted PPT handouts.
Course outline Advanced functionalities of PowerQuery
Parametrized queries Parametrized functions
Advanced functionalities of PowerPivot
Advanced date & time functions
SQL Server as data provider

OLAP cubes Concepts OLAP cube creation Additional Actions Writeback from Excel to cube
Information visualisation
PowerView PowerMap Custom PowerMap
Power BI Desktop application
Comparison to PowerPivot DAX table functions Standard visualisation tools Custom Visuals Access to another data model
DaxStudio
Advantages over functions coding in PowerPivot
Office 365, Power BI section
Data model querying in natural language Power BI Tiles
Datamining in Excel
What is datamining Basic principles of datamining Different algorithms & their applications

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- Parametrized queries
- Parametrized functions

Advanced functionalities of PowerPivot

- Advanced date &time functions

SQL Server as data provider

- OLAP cubes
- Concepts
- OLAP cube creation
- Additional Actions
- Writeback from Excel to cube

Information visualisation

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- PowerView
- PowerMap
- Custom PowerMap

Power BI Desktop application

- Comparison to PowerPivot
- DAX table functions
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- Custom Visuals
- Access to another data model

DaxStudio

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