

# Beyond Excel II.

Course code: MSEXNL2

Family of PowerBI (self-service BI) tools is rapidly expanding (PowerMap, PowerBI Desktop, DAXStudio, BI included Office 365, ...). Each of the tools is a deep set of functionalities. As a response to feedback from participants in our training Beyond Excel I. we have created a follow-up training, which focuses on new tools and instruments, as well as on known addins (PowerPivot and PowerQuery), but in much deeper scope of view. VISIT OF PREVIOUS COURSE - MSEXNL - BEYOND EXCEL I. IS STRONGLY RECOMMENDED.

## Who is the course for

The course is intended for all users who are already familiar with main Power BI (self-service BI) tools - PowerQuery and PowerPivot and want to know, 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 skills

Knowledge of PowerQuery and PowerPivot addins in the scope of MSEXNL - Beyond Excel I.

## 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

### GOPAS Praha

Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 530 513 590  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



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