

COURSE: Business analysis and Data exploration using PowerBI and Power Query

Summary

Duration:	3 days/24 hours
Level:	300*
Delivery method:	In class
Language:	Bulgarian
Price:	490 EUR excl VAT

* The difficulty level is consistent with the widely accepted scale of technical difficulty of training on Microsoft Corp

AUDIENCE:

Data Analysts, Financial Analysts, Cost Analysts, Revenue Analysts, Business Analysts, Performance analysts, Accountants, Financial controllers and everyone whose best-friend functionality is export to Excel, that need to consolidate data from

different data sources, understand the data and derive actionable insights from it.

PREREQUISITES:

Basic/Intermediate Excel skills; Basic/Intermediate PowerBI skills; No technical background required

AFTER THE TRAINING ATTENDEES WILL BE ABLE TO:

- Save time hunting down for the right data. Combine online, offline, spreadsheets, text files, database data in a single model with PowerBI
- Provide additional context to your data using online sources, without IT department support
- Optimize repetitive manual data cleansing/transformation steps. Forget about countless spreadsheet Copy/Paste and VLOOKUPS.
- Provide actionable data insights to your stakeholders at the right time, in the right shape using compelling dashboard and report designs in minutes
- Stop wasting numerous hours in report preparation and realize that your data is outdated by the time you finished your report
- Quickly and easily share reports and dashboards with stakeholders, without sending spreadsheets over mail, storing them on file shares or document management systems
- Forget about performance issues when working with tens of thousands of records or even millions
- Properly secure data by controlling access to individual rows in the model so users will see only the data they have permission to see
- Connect with peers and get tailored advice on your daily data issues
- Get additional ideas how to use your data, based on experience in the numerous real case labs, part of this training

TOPICS:

Module 1: Data import and preparation with PowerBI Desktop

- Importing and transforming data using Power Query
- Implementing functions and parameters to import data
- Using DAX for creating common scenario tables, such as Date dimension table

Module 2: Modeling your data for better analysis

- Creating Calculated Columns and Measures
- Using multiple table relationships
- Handling different granularities

- Model data types, geographic data
- Variables, What-If parameters
- Implementing Row level security

Module 3: Visualization and report design with PowerBI

- Creating compelling reports and dashboards for better decision making
- Visualization best practices
- Using advanced visualization features such as What-if scenarios, Bookmarks, etc.

Module 4: Extending your model with DAX

- Using DAX Studio to write DAX queries
- Common DAX patterns with CALCULATE, FILTER, SUMMARIZE, SUMMARIZECOLUMNS
- Implementing Time intelligence – Month-To-Date, Year-To-Date, Parallel Period calculations, running totals, Sliding running totals, weighted averages, Pareto analysis
- Implementing Account intelligence
- Patterns for balance sheets, bill of materials, cumulative balances, cumulative totals, static and dynamic segmentation and much more

Module 5: End to end sharing and collaboration with PowerBI

- Sharing scenarios in an Organization
- Sharing using PowerBI Workspaces and PowerBI Apps; individual report sharing
- Sharing with Mobile devices