

## Data Analysis with Power BI

### Audience Course Data Analysis with Power BI

The course Data Analysis with [Power BI](#) is intended for data analysts who want to use Power BI to analyze their data and to make statistical analyzes.

### Prerequisites Course Data Analysis with Power BI

Experience with Excel is required and experience with [programming](#), is beneficial to good understanding but is not required.

### Realization Training Data Analysis with Power BI

The theory is discussed on the basis of presentations and examples. The concepts are explained with demos. Then there is time to practice with the theory yourself. Power BI desktop is used as a development environment. Course times are from 9:30 am to 16:30 pm

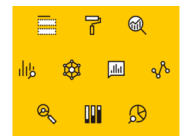
### Certification Course Data Analysis with Power BI

After successful completion of the course participants receive an official certificate Data Analysis with Power BI.

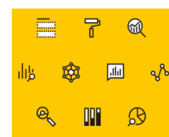
Duration: 2 days

Price: € 1299

[Open Schedule](#)



Data Analysis with Power BI



## Content Course Data Analysis with Power BI

In the course Data Analysis with Power BI participants learn to combine data from various sources and to make data analyzes with interactive dashboards and BI reports. Power BI is a Data Visualization and Business Intelligence Tool (BI) and offers various connectors and services with which users can read data and create BI reports.

### Power BI Architecture

The course Data Analysis with Power BI starts with an explanation of the architecture of Power BI with Power BI Desktop, Power BI Gateway and Power BI Services and how to create reports with Power BI.

### Power BI and Data

Subsequently attention is paid to making connections with data sources such as plain text files, CSV files, SQL Databases, XML data, JSON data and Excel files. It is also discusses how data in the cloud and in online services can be accessed by Power BI.

### Power BI Components

The various components that make up Power BI such as Dashboards, Tiles, Power Query, Power Pivot, Power View and Power Map are also treated in the course Data Analysis with Power BI. And the Data Analysis Expressions (DAX) with conditionals, data types and information functions, logical functions and table functions that Power BI has available are reviewed as well.

### Data Modeling

Part of the program of the course Data Analysis with Power BI is also Data Modeling in Power BI with relationship detection, calculated columns and tables and DAX formulas and expressions. And attention is paid to the creation and configuration of Dashboards for displaying data.

### Filters

Next the various filters that Power BI has to offer are discussed such as Page Level Filters, Report Level Filters and Drill Through Filters and Queries and Slicers in Power BI are treated.

### Power BI REST API

Finally the course Data Analysis with Power BI explains and demonstrates the Power BI REST API which provides service endpoints for embedding, administration and user resources.

## Modules Course Data Analysis with Power BI

| <b>Module 1 : Power BI Intro</b>  | <b>Module 2 : Data Sources</b>   | <b>Module 3 : Building Blocks</b>   |
|---|--|---|
| What is Power BI?<br>Data Visualization<br>Business Intelligence<br>Installing Power BI<br>Power BI Architecture<br>Power BI Desktop<br>Power BI Gateway<br>Power BI Services<br>Creating Reports<br>Mobile Apps                              | Data Connections<br>Import<br>Direct Query<br>Flat Files<br>CSV Files<br>SQL Databases<br>XML and JSON Data<br>Excel Connections<br>Azure Cloud<br>Online Services                                 | Visualizations<br>Datasets<br>Reports<br>Dashboards<br>Tiles<br>Power BI Components<br>Power Query<br>Power Pivot<br>Power View<br>Power Map  |
| <b>Module 4 : DAX Functions</b>   | <b>Module 5 : Data Modeling</b>  | <b>Module 6 : Dashboards</b>  |
| Data Analysis Expressions<br>Conditional Statements<br>Integers and Decimals<br>String and Binary Objects<br>Date and Time Functions<br>Information Functions<br>Logical Functions<br>Statistical Functions<br>Table Functions<br>DAX Context | Information Modeling<br>Navigation<br>Relationships<br>Relationship Detection<br>Calculated Columns<br>DAX Formulas<br>Calculated Tables<br>DAX Expressions<br>Managing Time Data<br>Drill Feature | Creating Dashboards<br>Pinning Visualizations<br>Configuring Dashboards<br>Sharing Dashboards<br>Creating Measures<br>Tiles in Dashboard<br>Data Gateway<br>Standard Mode<br>Personal Mode<br>Automatic Updates |
| <b>Module 7 : Filters</b>   | <b>Module 8 : Queries and Slicers</b>  | <b>Module 9 : REST API</b>  |
| Selection Criteria<br>Visual Level Filters<br>Page Level Filters<br>Report Level Filters<br>Drill Through Filters<br>Applying Filters<br>Filter Pane Experience<br>Format Filter Pane<br>Apply Filter in Workspace                            | Query Editor<br>Inquiry Strip<br>Inside Sheet<br>Question Settings Sheet<br>Power BI Slicers<br>Date Slicer<br>Range Slicer<br>Sync Slicers<br>Formatting Slicers                                  | Admin Operations<br>Capacities Operations<br>Dashboards Operations<br>Embed Token Operations<br>Gateways Operations<br>Groups Operations<br>Imports Operations<br>Reports Operations<br>Datasets Operations     |