Data Analysis with Power BI

Duration: 2 days   **Price: € 1299**

Open Schedule

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.
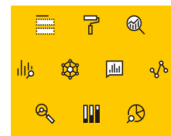
Data Analysis with Power BI

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

Module 1 : Power BI Intro	Module 2 : Data Sources	Module 3 : Building Blocks
What is Power BI?	Data Connections	Visualizations
Data Visualization	Import	Datasets
Business Intelligence	Direct Query	Reports
Installing Power BI	Flat Files	Dashboards
Power BI Architecture	CSV Files	Tiles
Power BI Desktop	SQL Databases	Power BI Components
Power BI Gateway	XML and JSON Data	Power Query
Power BI Services	Excel Connections	Power Pivot
Creating Reports	Azure Cloud	Power View
Mobile Apps	Online Services	Power Map

Module 4 : DAX Functions	Module 5 : Data Modeling	Module 6 : Dashboards
Data Analysis Expressions	Information Modeling	Creating Dashboards
Conditional Statements	Navigation	Pinning Visualizations
Integers and Decimals	Relationships	Configuring Dashboards
String and Binary Objects	Relationship Detection	Sharing Dashboards
Date and Time Functions	Calculated Columns	Creating Measures
Information Functions	DAX Formulas	Tiles in Dashboard
Logical Functions	Calculated Tables	Data Gateway
Statistical Functions	DAX Expressions	Standard Mode
Table Functions	Managing Time Data	Personal Mode
DAX Context	Drill Feature	Automatic Updates

Module 7 : Filters	Module 8 : Queries and Slicers	Module 9 : REST API
Selection Criteria	Query Editor	Admin Operations
Visual Level Filters	Inquiry Strip	Capacities Operations
Page Level Filters	Inside Sheet	Dashboards Operations
Report Level Filters	Question Settings Sheet	Embed Token Operations
Drill Through Filters	Power BI Slicers	Gateways Operations
Applying Filters	Date Slicer	Groups Operations
Filter Pane Experience	Range Slicer	Imports Operations
Format Filter Pane	Sync Slicers	Reports Operations
Apply Filter in Workspace	Formatting Slicers	Datasets Operations