Master Class: Develop a Reporting Solution with Power BI (DRSPBI)

ID DRSPBI **Price** CHF 4,995.—(excl. VAT) **Duration** 5 days

Who should attend

Database developer, data analyst, business analyst, Excel power user

Prerequisites

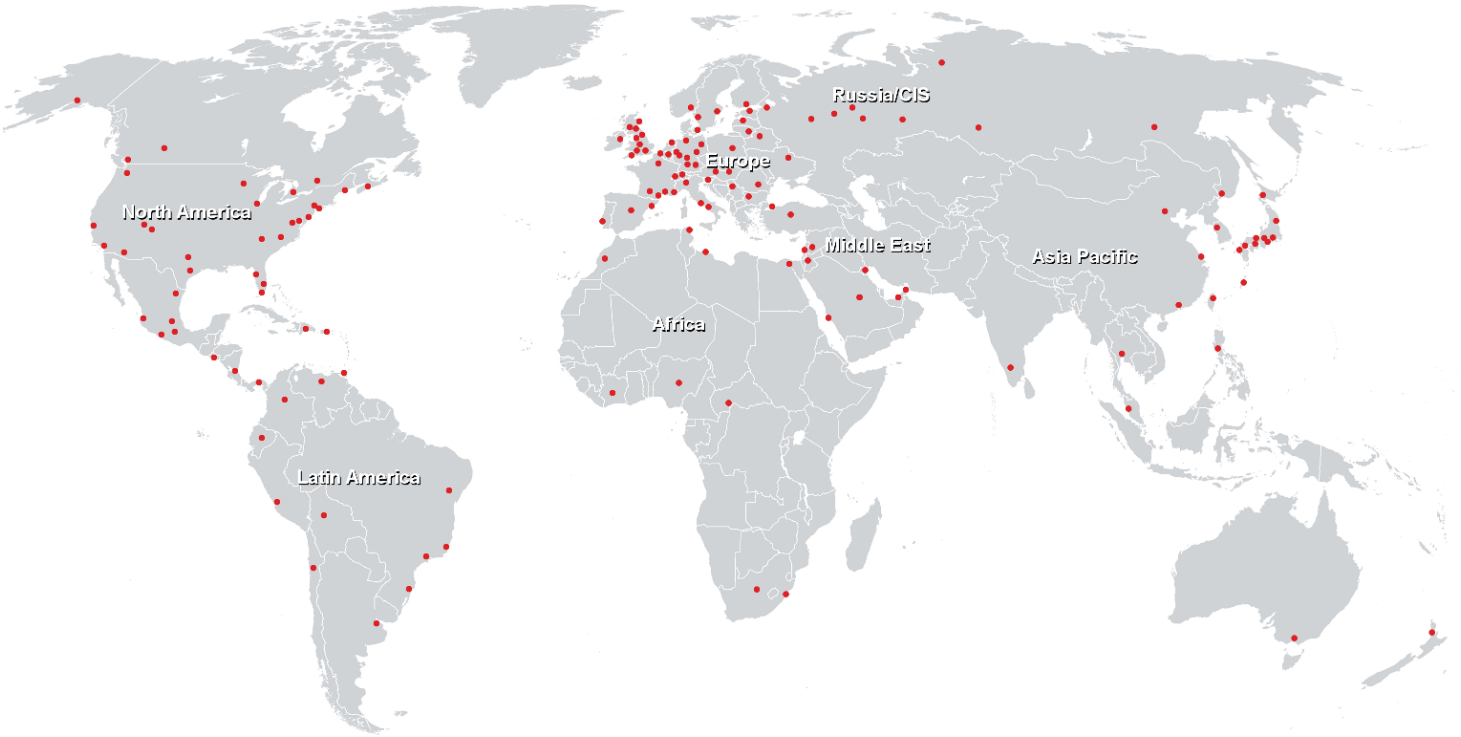
Basic knowledge of SQL, basic knowledge of data modeling

Course Content

- Overview of the Power BI architecture
- Data connection concepts
  - Overview of Power BI connectors
  - Getting to know the connection types Import, Direct Query, and Live Query
- Cleaning, transforming, and loading data in Power BI
  - Overview of the Power Query Editor
  - Transformation options in the Power Query Editor
  - Introduction to the formula language M
  - Data connection and transformation with Python
  - Data profiling
- Designing a data model
  - Introduction to Data Modeling 3NF vs. Star Schema
  - Creating relationships between tables
  - Defining keys, hierarchies, and time dimensions
  - Configuring tables and column properties
- Model extensions with DAX
  - Introduction to DAX
  - Using DAX for model extension and KPI calculation
  - Creating derived columns, measures, and tables with DAX
  - Introduction to the DAX language (including Related, Calculate, etc.)
- Creating reports and dashboards
  - Getting to know the standard visuals
  - Data restriction with filters, slicers, cascading
  - Cross-report navigation with buttons and bookmarks
  - Controlling the interaction of visuals
- AI-Features in Power BI
  - Natural Language Query (NLQ) in Power BI
  - Anomaly detection
  - Identification of key influencers
  - Decomposition tree analysis
- Creating mobile reports for smartphones and tablets
- Creating paginated reports
- Deployment of reports and dashboards
  - Deployment on SSRS for Power BI and in the cloud
  - Administration of reports
  - Setup of automated data updates
  - Setting up row-level security

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Training Centres worldwide





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