

Data Analysis and Visualization with Power BI

Course Duration:

6 Hours / 1 Day

1 Introduction to business intelligence

- What is business intelligence?
- Introduction to data analysis
- Introduction to data visualization
- Overview of self-service BI
- Considerations for self-service BI
- Microsoft tools for self-service BI

2 Introduction to Power BI

- What is Power BI?
- Power BI Desktop
- Power BI Service
- Designing reports and dashboards

3 Power BI

- Using Excel as a data source for Power BI
- Importing Excel files
- The Power BI data model
- Using databases as a data source for Power BI

4 Importing data from files

- Importing data into Excel
- Power Query - Shaping and Transforming Data
- Loading Data

5 Importing data from Database

- Available Data Sources
- Previewing, Shaping, and Transforming Data
- Table Relationships and Hierarchies

6 Importing data from Excel Reports

- Importing Data from Excel Reports
- Transforming Excel report Data

7 Shaping and Combining Data

- Power BI desktop queries
- Shaping data
- Combine data

8 Creating and Formatting Measures

- DAX
- Calculated columns
- Measures
- Advanced DAX functions

9 Interactive Data Visualizations

- Creating Power BI reports
- Creating charts
- Managing a Power BI Solution