Power BI: Designing Dashboards

Hands-on course of 3 days - 21h
Ref.: PBI - Price 2025: 1 520 (excl. taxes)
The price for the 2026 session dates may be revised

EDUCATIONAL OBJECTIVES
At the end of the training, the trainee will be able to:

Log in, query and associate heterogeneous data sources

Design measures with the language DAX

Discover Power BI Online Services

Model and prepare your data

Create and set up reports with Power BI Desktop

TEACHING METHODS

Combination of lectures and hands-on work.

THE PROGRAMME

last updated: 05/2024

1) Introduction
- Overview of Microsoft's BI solution.
- The Power BI suite: Power BI Desktop, the service Power BI, and Power BI Mobile applications.
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Obtaining data

2) Extracting, converting, and loading data into Power BI.
- Using flat files, Excel, relational databases, SSAS sources, Web.
- Choosing columns, choosing rows, filtering, sorting, and deleting duplicates.
- Hands-on work
Hands-on work : Converting data

3) Cleaning and completing data sets.
- Splitting columns, formatting columns and defining the data type, joining and merging tables.
- Creating calculated columns. Stacking and merging queries.
- Hands-on work
Hands-on work : Defining the data model

4) Using Diagram view to define relationships between tables.
- Designing measures with statistical functions.
- DAX functions for designing elaborate measures: CALCULATE, ALL, ALLEXCEPT, FILTER, RANKX etc.
- Using DAX Time Intelligence functions.
- Hands-on work
Hands-on work : Designing the Power BI report

5) Creating reports, pages, and dashboards.
- Displaying data: Table, Matrix, Chart.
- Using data and formatting parameters.
- Inserting visual elements. Using map visualizations.
- Importing visual elements (.pbviz) from the gallery: Gauges, images, etc.
- Adding filtering tools, segments, KPIs. Layout for monitor or smartphone.

- Hands-on work
Hands-on work : The service Power BI online

6) Overview of the features of the Power BI service, storage, presentation, sharing.
- Pinning visualizations into a dashboard.
- Designing reports with the Power BI service.
- What data sets are in Power BI ?
- Demonstration

DATES

REMOTE CLASS
2025 : 22 oct.

2026 : 11 mars, 18 mai, 07 sept.,
23 nov.