

## Power BI: Advanced user



### Description:

This course is designed for advanced users who already have experience with the basics of Power BI. With this course, take your skills to the next level by exploring advanced techniques and gaining a deeper understanding of the tool's most advanced features.



### Training objectives:

- Use the M language to create optimized data models
- Design sophisticated metrics with DAX language
- Create complex reports with Power BI Desktop
- Create a presentation and scenario tailored to your message



### Profile:

- Business users
- Technical users



### Requirements:

- We recommend that you have taken LEVEL 1 training or have a solid grounding in POWER BI



### Assessment and monitoring:

- Competence is assessed throughout the training course through practical exercises.
- A MCQ will be submitted at the end of the day to validate the skills acquired during the course.
- An assessment of learner satisfaction is at the end of the course, and a follow up evaluation 3-4 months after the end of the course.
- Training certificate issued to the learner.

**Reference:** BI-002

**Language:**  
English | French

**Level:**  
Advanced

**Duration:** 2 days

**Inter:**  
Check the dates of upcoming sessions on our website

**Intra:**  
Course fees and dates available upon request

**1900 €** excl. tax



### Teaching methods:

- 50% of the training is dedicated to case studies
- Provision of a learner account on our e-learning platform
- Digital training documentation provided during training
- Attendance is recorded at each session.



### Instructor profile:

All our training courses are led by experienced consultant-trainers recognized by their peers. Our trainers are certified in each of their areas of expertise and share their consulting experience through the training sessions.



## **Detailed program:**

### **Reminder and advanced features**

- Reminder of the Power BI report design cycle
- Organize tables and relationships, define metrics, visualize.
- Understanding star organization, fact or dimension tables.
- Merge queries to reduce flakes.
- Aggregate and stack sources.
- Import data from a list of sources.
- Customize functions and parameter passing in M language.
- Manage errors.

### **Build advanced visualizations**

- Use DAX variables for calendars, lists and functions to create an M calendar.
- Cumulate by periods. Cumulate over rolling periods.
- Use Time Intelligence.
- Use DATEADD, DATESYTD, DATESBETWEEN, DATESINPERIOD, CLOSINGBALANCE.
- Work with multiple date columns and double relationships with user relationship.

### **Dashboards & Story**

- Cumulative calculation with the EARLIER function.
- The ISBLANK function for managing empty values.
- DAX table creation functions: FILTER, CALCULATETABLE, ADDCOLUMNS, SUMMURIZE, UNION...
- Create page backgrounds, themes and report templates.
- Create "Master-Detail" reports using extraction filters.
- Use bookmarks for storytelling.
- Define customized visuals with the Synoptic Panel.