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# Power BI Initiation training with DAX
## 2 days (14 hours)

## Presentation

Harness the full potential of Business Intelligence with one of Microsoft's most popular tools. Our introductory Power BI training will teach you how to visualize and organize your data to make the best decisions for your organization.

Power BI is Microsoft's complete data analysis solution. Used by some of the world's largest multinationals, this powerful software guarantees the highest standards of quality and security.

Our introductory Power BI training course will enable you to regain control over your data analysis. You'll learn how to integrate and connect your data, transform it with Power Query and model it for visualization.

Our course will also cover DAX, the formula and query language native to Microsoft tools. You'll learn how to create tables and use variables and functions to manipulate your data.

## Objectives

- Power Bi and Power Bi Service objects
- How to connect to data
- Preparing your data
- How to create leading indicator reports with DAX

## Target audience

- Data Scientists
- Developers

- Data analysts
- Project managers
- Consultants
- Business Analysts

# Prerequisites

- Access to Power BI

# Program of our Power BI Initiation training with DAX

## PRESENTATION OF THE ARCHITECTURE

- Shared architecture
- Self-service architecture
- Architecture for companies

## DATA CONNECTION

- Combine multiple data sources
- Best practices for data import
- Connection types (DirectQuery/Live/Import) with comparison

## INTRODUCTION TO POWER QUERY

- Power Query tool reminder
- Power Query interface
- Enriching the interface with code

## MODELING IN POWER BI

- Building your relationship model
- Finalizing your data in Power BI
- Data view

## DATA VISUALIZATION

- Create pages
- Create & edit visuals
- Additional visuals

## GOING FURTHER WITH DAX

- Introduction to DAX
- Presentation of evaluation contexts
- CALCULATE and CALCULATETABLE
- CALCULATE rules and modifiers
- Variables and their scopes
- Table variables
- Creating a table with DAX
- Create a date table
- Time intelligence functions
- Filter functions
- Creating calculated tables

## POWER BI SERVICE

- Workspace
- Power BI objects (Dataflows, etc.)
- Manage user roles
- Power BI object management: scheduled updates, etc.
- Les Passerelles

## Add-on module (+1 day) : Tabular Editor 2

## Additional module (+1 day): Introduction to Data Governance

## Complementary module (+1 day): Overcoming the limitations of the Power BI Service interface with Power Automate

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.