Mastering the M language in Power Query

Description

This intensive one-day training provides you with the essential tools to master the M language, the must-have tool for optimizing your data in Power Query, Excel, and Power BI. You will learn how to create advanced queries, efficiently manipulate your data, and automate complex processes. Through practical exercises, you will discover how to structure your scripts, optimize performance, and solve real-world challenges. Whether you are an analyst or a developer, this training will help you turn your skills into a true productivity driver.

Course Content
Fundamentals of the M language Module 1: Introduction to Power Query and the M language

- Presentation of Power Query and its role in ETL
- Structure of an M query (let...in)

Module 2: Basic syntax and data types

- Data types in M
- Operators and expressions
- Creating and manipulating variables

Module 3: Handling lists and tables

- Essential functions for lists
- Operations on tables (filtering, sorting, grouping)

Module 4: Essential built-in functions

- Text functions
- Date and time functions
- Mathematical and statistical functions

Advanced techniques and practice Module 5: Creating custom functions

- Syntax of M functions
- Function parameters and returns
- Practical examples of custom functions

Module 6: Parameterised queries and error handling

- Creating queries with parameters
- Error handling techniques in M

Module 7: Optimising performance

- Best practices for efficient queries
- Techniques for optimising M code

Module 8: Practical exercises

- Application of the concepts learned to real-life scenarios

Documentation

- Detailed course material
- Summary sheets of the main M functions
- Practical exercises and corrections

Participant profiles

- Data analysts
- BI developers
- Advanced users of Excel and Power BI
- Professionals wishing to quickly deepen their Power Query skills

Prerequisites

- Good command of Excel or Power BI
- Basic knowledge of Power Query
- Programming skills (an asset but not compulsory)

Objectives

- Understand the syntax and structure of the M language
- Write custom M queries in the advanced editor
- Manipulate different types of data (lists, tables, records)
- Create custom functions in M
- Optimise queries for better performance

Description
M Language Training in Power Query
Niveau
Avancé
Classroom Registration Price (CHF)
750
Virtual Classroom Registration Price (CHF)
700
Duration (in Days)

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Reference
MLMPQ