



An Intensive 5-Day Training Course

# Advanced Visualization with Microsoft Power BI

The Art and Science of Drawing With Your Data

## TRAINING METHODOLOGY

This Power BI training course will combine presentations with instructor-guided interactive discussions between participants relating to their individual interests. Practical exercises, video material and case studies aiming at stimulating these discussions and providing maximum benefit to the participants will support the formal presentation sessions.

Above all, the course leader will make extensive use of case examples and case studies of issues in which he has been personally involved.

## PROGRAMME OBJECTIVES

By completing this EuroMaTech training course, the candidates will be able to:

- Know the best visuals in power BI and when to use them
- Use Simple methods to Analyze data with Power BI and gain Insights
- Get acquainted with dashboards and how to create effective ones
- Automate manual reporting processes with Power BI
- Make reports available to stakeholders online

## INTRODUCTION

A picture is worth more than a thousand word. In this world full of data humans need to quickly comprehend and digest huge data amount. This is usually done through visualization. Microsoft Power BI is a business intelligence platform that provides non-technical business users with tools for advanced visualization and analytics of business data. This EuroMaTech training course is designed to provide detailed information on how to use Power BI in making effective visualization for making best reasonable decisions.

**This training course includes:**

- How to Connect to data sources
- What are the most suitable visuals for each case
- Analyse and manipulate that data
- Provide the right perspective
- Enable making informed decisions

## WHO SHOULD ATTEND?

The target audience for this course include professionals who are interested in learning robotics, biometrics, business decision makers, marketing and other competing technologies. This Advanced Visualization with Microsoft Power BI training course is also meant for people who are very keen about learning Artificial Intelligence, applying its awesome result and its implementation.

**This includes:**

- Managers
- Team Leaders
- Supervisors
- Professionals
- Technical Staff

Virtual learning service available



# COURSE OUTLINE



## Day 1

### Starting with Power BI

- Why visualization
- Power BI Desktop interface and download
- Importing Data to Power BI
- Understanding the Power Query User Interface
- Transforming Data with Power Query
- Tips for successful visualization

## Day 2

### Data Preparation

- The data preparation
- M Language and Power Query
- Data Models, Facts and Dimensions Data
- Examples for modern visualization in Power BI

## Day 3

### Adding and formatting charts

- Formatting Power BI Charts
- Adding a new chart to the canvass
- Sorting a Visual
- Filtering a page with Filters Pane and Using Slicers
- Controlling Visual Interactions on the Canvass

## Day 4

### Data Analysis Expressions (DAX)

- Introduction to DAX
- Aggregation functions
- Intelligent Time functions
- Parent Child functions
- Other power Bi functions

## Day 5

### Visualizing Measures

- Measures in Power BI
- Prerequisites to work on measures
- Using measures with a report
- Using measures with a slicer
- Using a measure in a measure