

# Power BI – Visuals and charts

## Description

In this training, participants will study 150 different types of graphs, be it the default graphs, or those made with R or Python. This is an advanced training in data visualization for those who have to build high added value dashboards. This training prepares participants for Power BI Services training.

## Niveau

Intermédiaire

## Course Content

- Quick presentation of the different families of graphs/visuals ("graph continuum") and Common graphs/visuals
- Cards, KPIs and Gauges visual types
- Tables or Matrices visual types
- Scatter plot graph types (with or without zoom / with or without error bars)
- Confidence Ellipses graph types
- Star graph types
- Cleveland graph types
- Stem-and-leaf graph types
- DotPlot graph types
- Lollipop graph types
- Sunflower graph types
- Jitters or Gigue graph types
- Vectorials graphs types
- Bland-Altman control graph types
- Bagplot graph types
- Sticks graph types
- Bar graphs types (stacked or not, grouped or standardized, back-to-back with or without error bars)
- Histograms graph types (stacked or not, with adjustment curve or not)
- Hexabins graph types
- Waterfalls graph types
- Tornado graph types
- Box and Whiskers plot graph types
- Violon graph types
- Pyramidal graph types
- Associations graph types
- Missing values data analysis graph types
- Piee and rings graph types
- Bubbles graph types
- Venn graph types
- Rosling graph types
- Fourfold graph types
- Agreement graph types
- Dynamics sectors graph types
- Radars graph types
- Radial (wind rose) graph types
- Hemicycle graph types

- X-Y plots with lines graph types (with combined points or not / error bars or not)
- Frequency (spectrum) graph types (FFT)
- Polygon graph types
- Trends graph types (with or without prediction/tolerance interval or not)
- Multiple horizontal / vertical axes graph types
- Regression's Diagnostics graph types (residuals, normal Q-Q, scale parameters, leverage)
- LOESS/RIDGE graph types
- Density/Distribution graph types (with or without density intervals)
- Joy plots graph types
- Draftsman/Matrices graph types
- Lattice graph types
- Interactions graph types
- Margins graph types (with barcharts or box-plots)
- HistSpyke graphs types
- Correlograms graph types
- Areas graph types (simples, stacked, normalized)
- Flow graph types
- Isodensity graph types
- Ternary graph types
- Funnels graph types
- Networks graph types
- Chord graph types
- Neural Networks graph types
- Parallel Coordinates graph types
- Arcs graph types
- Slices graph types (4D plots)
- Orgchart graph types
- Chronology/Gantt graph types
- Calendar/Time-Heatmap graph types
- Sparklines graph types
- Gauge graph types
- Bullet graph types
- Waffle graph types
- ABC/XYZ graph types
- Autocorrelogram graph types
- Trading graph types (candlesticks, Bollinger bands, OHLC, binomial tree, etc.)
- Efficiency frontier graph types
- Asset Allocation type graph types
- Ishikawa graph types
- Six Sigma control charts graph types
- Capabilities graph types
- Sixpack Analysis graph types
- Characteristic Operating Curve graph types
- R&R graph types
- Pareto graph types
- Survey and Reliability chart types
- Wordcloud visual types
- Codiagram graph types
- Treemap graph types
- Dendrogram graph types

## Documentation

- Digital courseware included

**Participant profiles**

- Engineers
- Business analysts
- Data analysts and financiers
- Data scientists

**Prerequisites**

- Have completed the prerequisite courses on Power BI Desktop before attending this course is highly recommended, but not mandatory
- Having followed the basic training on R and Python is highly recommended since many graphics require writing script / computer code

**Objectives**

- Be able to use (creation, drilling, filtering with segments / drop-down lists, or "what if" sliders and interaction control) and customize the graphs available in Power BI

**Classroom Registration Price (CHF)**

2300

**Virtual Classroom Registration Price (CHF)**

2150

**Duration (in Days)**

3

**Reference**

MPB-21