

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.

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

Niveau

Intermédiaire

Classroom Registration Price (CHF)

2300

Virtual Classroom Registration Price (CHF)

2150

Duration (in Days)

3

Reference

MPB-21