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# Training: Understanding Data and Data Visualization

1 day (7 hours)

## Overview

Understanding data and data visualization has become essential for making informed decisions and effectively leveraging data in the workplace.

Our Understanding Data and Data Visualization training will help you master the fundamental concepts of data, different types of data, and the principles of effective visualization.

You will learn to identify best practices for analyzing and presenting data, understand common mistakes, and collaborate more effectively with technical teams.

By the end of the course, participants will be able to understand data and best practices for visualization.

Like all our courses, this one will introduce you to **the latest stable version** of the technology and its new features.

## Objectives

- Identify data types and their uses.
- Understand the principles of effective visualization.

## Target Audience

- Managers

- Beginner analysts

## Prerequisites

- None

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- A computer with stable internet access
- A modern browser; Chrome is recommended for the labs
- A spreadsheet program: Excel, Google Sheets, or LibreOffice Calc

## Training: Understanding Data and Data Visualization

[Day 1 - Morning]

### Understanding Data and Its Challenges

- Definition of data and key concepts
- Different types of data
- The data lifecycle
- The role of data in decision-making
- Data stakeholders and roles
- Hands-on workshop: Identifying data in a business scenario.

[Day 1 - Afternoon]

### Reading and interpreting data

- Understanding key indicators
- Identifying biases and misinterpretations
- Simple data analysis
- Understanding trends and correlations
- Introduction to dashboards
- Hands-on workshop: Analyzing a simple dataset.

### Principles of effective data visualization

- Choosing the right type of chart

- Common mistakes in visualization
- Concepts of data storytelling
- Best practices for presentation
- Critical analysis of visualizations
- Hands-on workshop: Analyzing and improving charts.

## Target Audience

This training is designed for both individuals and companies—large or small—seeking to train their teams in advanced IT technologies or to acquire specific industry knowledge or modern methodologies.

## Placement upon enrollment

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency with various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

## Teaching Methods

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

## Organization

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

## Assessment

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been properly acquired.

## Certification

A certificate will be issued to each trainee who has completed the entire training program.