€ TRAINING

Data Skills Mastery

27 April - 1 May 2025
Sharm El-Sheikh (Egypt)

Data Skills Mastery

REF: G1558 DATE: 27 April - 1 May 2025 Venue: Sharm El-Sheikh (Egypt) - Fee: 4095 Euro

Introduction:

In today's data-driven world, mastering data skills is essential for professionals aiming to excel in decision-making and organizational success. This training program equips participants with the foundational and advanced knowledge required to analyze, manage, and interpret data effectively. By focusing on key concepts, tools, and ethical considerations, the program provides a robust framework for developing critical data competencies.

Program Objectives:

By the end of this program, participants will be able to:

- Discover the fundamental principles of data management and analysis.

- Explore key techniques for structuring and cleaning datasets.

- Evaluate the use of statistical tools and methods in data interpretation.

- Address data governance and ethical considerations in data management.

- Develop strategies for effective communication of data insights.

Target Audience:

- Professionals involved in data-intensive roles.

- Business analysts and decision-makers.

- IT professionals managing organizational data systems.

- Employees aspiring to build expertise in data management and analysis.

Program Outline:

Unit 1:

Foundations of Data Management and Analysis:

- Understanding the role of data in decision-making.

- Types and sources of data in organizations.

- Key principles of data governance and management.

- Challenges in managing and analyzing large datasets.

- Overview of data structures and formats.

Unit 2:

Data Preparation and Cleaning:

- Importance of data quality in analysis.

- Techniques for cleaning and organizing datasets.

- Handling missing, duplicate, and inconsistent data.

- Methods for transforming raw data into structured formats.

- Tools for streamlining the data preparation process.

Unit 3:

Statistical Tools and Techniques:

- Introduction to basic statistical concepts for data analysis.

- Exploring descriptive and inferential statistical methods.

- Visualizing data for better interpretation.

- Introduction to software tools for statistical analysis.

- Ensuring accuracy and reliability in statistical outputs.

Unit 4:

Data Governance and Ethics:

- Principles of ethical data usage and management.

- Ensuring privacy and security in handling sensitive data.

- Addressing biases in data collection and analysis.

- Compliance with data protection regulations: GDPR.

- Building trust through transparent data practices.

Unit 5:

Communicating Data Insights:

- Techniques for translating data into actionable insights.

- Effective data storytelling for various audiences.

- How to design impactful visual presentations and dashboards.

- Avoiding misrepresentation of data findings.

- Integrating data insights into strategic decision-making.