Data Visualization Analyst: Advanced Data Analysis & Reporting

COURSE OUTLINE 2025

TRAINING TITLE

DATA VISUALIZATION ANALYST: ADVANCED DATA ANALYSIS & REPORTING

VENUE

DUBAI, UAE

DURATION

5 Days

DATES

06-10 October 2025

PRICE

$5,250 per attendee including training material/handouts, morning/afternoon coffee breaks, and Lunch.

TRAINING INTRODUCTION

This 5-day intensive course is designed for analysts and professionals who want to enhance their skills in advanced data analysis and data visualization. The training focuses on turning complex data into actionable insights using advanced tools and techniques. Participants will learn to build interactive dashboards, apply statistical methods, and communicate findings effectively through compelling visual stories using tools like Excel, Power BI, and/or Tableau.

TRAINING OBJECTIVES

By the end of the course, participants will be able to:

- Apply advanced analytical techniques to interpret and model data.
- Design clear, impactful, and interactive visual reports.
- Use tools like Excel, Power BI, and/or Tableau to analyze and visualize data.
- Communicate data-driven insights to technical and non-technical stakeholders.
- Automate reporting processes for efficiency and consistency.

TRAINING AUDIENCE

- Data analysts and business analysts
- Reporting specialists and BI professionals

- Financial analysts and operations managers
- IT professionals supporting data initiatives
- Anyone responsible for analyzing, visualizing, or reporting data

TRAINING OUTLINE

Day 1: Advanced Data Analysis Techniques

- Recap of data types, cleaning, and preparation
- Descriptive and inferential statistics
- Correlation, regression, and trend analysis
- Exploratory data analysis (EDA)

Day 2: Data Visualization Principles & Tools Overview

- Principles of effective data visualization (design, clarity, storytelling)
- Choosing the right chart for your data
- Introduction to tools: Excel advanced charts, Power BI, Tableau
- Data shaping and transformation

Day 3: Building Interactive Dashboards

- Dashboard planning: purpose, audience, KPIs
- Power BI/Tableau: Data modeling and DAX calculations
- Filters, slicers, bookmarks, drill-through features
- Dashboard interactivity and user experience

Day 4: Reporting Automation and Integration

- Power Query and automation in Excel/Power BI
- Connecting to databases and live data feeds
- Automating data refreshes and report distribution
- Exporting and integrating with other platforms (e.g., SharePoint, Teams)

Day 5: Storytelling with Data & Final Project

- Turning data into a narrative
- Designing presentations with data visuals
- Presenting findings to stakeholders (do's and don'ts)
- Analyze data, build a report, and present insights
- Peer review and feedback session

TRAINING CERTIFICATE

MAESTRO CONSULTANTS Certificate of Completion for delegates who attend and complete the training course.

METHODOLOGY

Our courses are highly interactive, typically taking a case study approach that we have found to be an effective method of fostering discussions and transferring knowledge. Participants will learn by active participation during the program through the use of individual exercises, questionnaires, team exercises, training videos and discussions of "real life" issues in their organizations. The material has been designed to enable delegates to apply all of the material with immediate effect back in the workplace.