

GLOBAL EXPERTS INSTITUTE FOR TRAINING.
ISO 9001-2008 TRAINING PROVISION CERTIFIED

Data Visualization Analyst Advanced Data Analysis & Reporting

Schedule Dates:

Start Date	End Date	Place
27 Oct 2025	31 Oct 2025	DoubleTree by Hilton London Kensington

Program Introduction:

In today's data-driven world, the ability to analyze, interpret, and visualize data effectively is essential for informed decision-making. This advanced-level course is designed for professionals seeking to deepen their data analysis skills and master the art of data visualization and reporting. Participants will explore advanced analytical techniques, tools, and best practices for transforming complex datasets into clear, compelling, and actionable insights. Using industry-leading platforms such as Power BI, Tableau, and Excel, attendees will gain hands-on experience in building interactive dashboards, storytelling with data, and delivering impactful reports that drive business value.

Program Objectives:

- ✓ Apply advanced data analysis techniques to large and complex datasets.
- ✓ Create insightful visualizations that communicate data-driven findings clearly.
- ✓ Develop interactive dashboards for executive and operational reporting.
- ✓ Understand the principles of effective data storytelling.
- ✓ Use tools like Power BI, Tableau, and Excel to perform advanced reporting.
- ✓ Implement best practices for visual design and layout.
- ✓ Transform raw data into meaningful KPIs and performance metrics.
- ✓ Integrate data from multiple sources and manage data models effectively.
- ✓ Apply automation techniques for dynamic reporting.
- ✓ Enhance decision-making through predictive and trend analysis.

Who should attend?

- Data analysts and business intelligence professionals
- Reporting specialists and dashboard designers
- Data scientists and statisticians
- Business analysts and strategy consultants
- Marketing, finance, and operations professionals working with data
- Anyone looking to upskill in advanced data analysis and visualization

Program Outlines

Day One

- Introduction to Advanced Data Visualization
- Data Types, Structures, and Sources
- Data Preparation and Cleaning Techniques
- Exploratory Data Analysis (EDA)
- Key Metrics, KPIs, and Business Questions

Day Two

- Principles of Effective Dashboard Design
- Choosing the Right Visualization for the Right Data
- Advanced Chart Types (Heatmaps, Tree Maps, Waterfall, etc.)
- Color Theory and Visual Hierarchy
- Creating Interactive Dashboards with Power BI

Day Three:

- Data Modeling and DAX Formulas in Power BI
- Advanced Calculations and Measures in Tableau
- Custom Visuals and Extensions

- Storytelling with Data: Narrative and Context
- Integrating Data from Excel, SQL, and Cloud Sources

Day Four:

- Automation and Scheduled Reporting
- Handling Big Data and Performance Optimization
- Predictive Analysis and Forecasting Visuals
- Data Governance and Ethics in Visualization
- Accessibility and Inclusivity in Visual Design

Day Five:





- Visualization Pitfalls and How to Avoid Them
- Creating Executive-Level Summary Reports
- Mobile-Friendly and Responsive Dashboard Design
- Real-World Case Studies and Industry Use Cases
- Capstone Project: Build a Complete Business Dashboard

Training Methodology:

- Slide presentations
- Interactive discussion
- Simulations and Gamification
- Online Video material

Cost Quotation in Kuwaiti Dinars

The total cost includes:

-  Instructor(s) expenses
-  Training materials
-  Certification
-  Lunch Included

Total Cost: 1800 KD per Participant
(One Thousand Eight Hundred Kuwaiti Dinar)