

**Training
Course**

**Data Visualization Analyst
Advanced Data Analysis &
Reporting**

Course Plan

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.

Course 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

Training Methods:

- ✓ Online Video material.
- ✓ Presentation.
- ✓ Live Interactive sessions.
- ✓ Course presenter will make extensive use of all tools that will be needed for the virtual environment.
- ✓ Questions & Answers

Course Outline:

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 Details

Course Duration	5 Days
Pre-Schedule	27 – 31 Oct 2025
Venue	DoubleTree by Hilton London Kensington
Training Fees Per Person	KWD 1800 (One Thousand Eight Hundred Only)
Course Fees Include	<ul style="list-style-type: none"> ✓ Tuition documentation ✓ Curriculum and Training Handout ✓ Five star Lunch ✓ Completion Certificates ✓ Lunch Included