Data Visualization for Quality Reporting (Power BI/Tableau) Training Course

Professional Development Training Course Outline

Category	Quality Assurance and ISO standards	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today?ÇÖs data-driven business environment, organizations rely heavily on real-time insights to make informed decisions. Data visualization through Power BI and Tableau empowers professionals to transform raw data into interactive dashboards and dynamic reports that enhance decision-making and improve overall business performance. Data Visualization for Quality Reporting (Power BI/Tableau) Training Course on mastering data visualization techniques, enabling participants to communicate complex information with clarity, precision, and impact. By learning advanced analytics and visualization strategies, professionals will be equipped to create dashboards that support accurate reporting and deliver actionable insights.

The Data Visualization for Quality Reporting course introduces participants to essential visualization principles, reporting structures, and analytics workflows tailored to meet modern organizational needs. Using Power BI and Tableau, learners will gain hands-on experience in developing data models, designing dashboards, and implementing quality reporting frameworks. This course provides practical skills applicable across industries, ensuring that participants can drive data quality, efficiency, and strategic decision-making through impactful reporting solutions.

Programme Curriculum

Data Visualization for Quality Reporting (Power BI/Tableau) Training Course

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Course Objectives

1. Understand the fundamentals of data visualization and quality reporting.
2. Explore the core functionalities of Power BI and Tableau for business reporting.
3. Develop advanced dashboards to present data effectively.
4. Apply data modeling techniques to ensure accuracy in reporting.
5. Utilize DAX and calculated fields for enhanced analysis.
6. Implement real-time reporting using Power BI Service and Tableau Server.
7. Integrate multiple data sources into a unified reporting environment.
8. Leverage AI-driven insights and predictive analytics in dashboards.
9. Optimize dashboards for user experience and interactivity.
10. Ensure data governance, security, and compliance in reporting workflows.
11. Translate organizational KPIs into effective visual storytelling.
12. Perform comparative analysis with industry case studies.
13. Build scalable and sustainable reporting solutions across business units.

Organizational Benefits

1. Enhanced decision-making through real-time interactive dashboards.
2. Improved data accuracy and integrity across reports.
3. Increased productivity by automating reporting processes.
4. Stronger alignment of business goals with actionable insights.
5. Better communication of KPIs across departments.
6. Competitive advantage through faster data-driven decisions.
7. Streamlined reporting processes with reduced manual errors.
8. Scalability of reporting systems for future growth.
9. Empowerment of teams with self-service analytics.
10. Improved compliance with data governance standards.

Target Audiences

1. Data Analysts
2. Business Intelligence Professionals
3. IT Specialists
4. Data Engineers
5. Business Managers
6. Reporting Officers
7. Quality Assurance Professionals
8. Project Managers

Course Duration: 5 days

Course Modules

Module 1: Introduction to Data Visualization and Reporting

- Overview of data visualization principles
- Importance of quality reporting in organizations
- Introduction to Power BI and Tableau interfaces
- Differences between static and interactive dashboards
- Best practices for effective visual storytelling
- Case study: Visualizing sales performance reports

Module 2: Data Preparation and Integration

- Data cleaning and transformation fundamentals
- Importing data from multiple sources
- Building relationships between datasets
- Using Power Query and Tableau Prep
- Managing data quality for accuracy
- Case study: Preparing HR data for turnover analysis

Module 3: Designing Interactive Dashboards

- Key elements of effective dashboard design
- Creating KPI-driven visualizations
- Applying filters, slicers, and drill-throughs
- Enhancing dashboards with custom visuals
- Improving usability through interactivity
- Case study: Designing a financial reporting dashboard

Module 4: Advanced Analytics with DAX and Calculations

- Understanding DAX and calculated fields
- Building custom measures for advanced reporting
- Using time intelligence functions
- Comparative analysis across datasets
- Optimizing performance with efficient calculations
- Case study: Forecasting revenue growth with DAX

Module 5: Data Modeling for Quality Reporting

- Fundamentals of data modeling in Power BI/Tableau
- Designing star and snowflake schemas
- Handling one-to-many and many-to-many relationships
- Improving data model performance
- Aligning models with organizational KPIs
- Case study: Data modeling for healthcare reporting

Module 6: Real-time Reporting and Cloud Integration

- Using Power BI Service for cloud-based reporting

- Implementing Tableau Server for real-time dashboards
- Integrating streaming datasets
- Scheduling and automating report refresh
- Collaboration through shared dashboards
- Case study: Real-time customer service reporting

Module 7: AI-driven Insights and Predictive Analytics

- Introduction to AI and machine learning in visualization
- Using built-in AI features in Power BI/Tableau
- Predictive modeling and trend forecasting
- Leveraging natural language queries
- Applying insights for strategic decision-making
- Case study: Predictive analysis for inventory management

Module 8: Governance, Security, and Compliance

- Data governance frameworks for reporting
- Role-based access and permissions
- Ensuring compliance with data privacy regulations
- Managing audit trails and report history
- Security best practices in dashboards
- Case study: Securing financial compliance reporting

Training Methodology

- Instructor-led sessions with live demonstrations
- Hands-on practical exercises with datasets
- Group discussions and collaborative problem-solving
- Real-world case study analysis
- Assessments to test learning outcomes
- Post-training support and resource sharing

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

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