# Data Visualization for SCM Training Course

Professional Development Training Course Outline

| | | | |
|---|---|---|---|
| **Category** | Logistics and Supply Chain Management | **Duration** | 5 Days |
| **Base Fee** | $1,500 USD | **Delivery Mode** | Online / On-site Hybrid |

## Course Introduction

Data-driven decision-making has become a cornerstone of modern supply chain management. The ability to visualize complex data sets efficiently empowers organizations to optimize operations, reduce costs, and improve customer satisfaction. Data Visualization for SCM Training Course is designed to equip professionals with advanced tools, techniques, and practical knowledge to transform raw data into actionable insights. Participants will gain proficiency in leveraging industry-standard visualization software, interpreting dashboards, and implementing predictive analytics to enhance strategic planning.

As global supply chains become increasingly intricate, the need for timely and accurate data visualization grows. This course emphasizes hands-on learning, enabling participants to design interactive dashboards, identify trends, monitor key performance indicators (KPIs), and communicate insights effectively across organizational levels. By integrating real-world case studies, participants will learn how to drive supply chain efficiency, forecast demand, manage inventory, and mitigate risks using cutting-edge data visualization strategies.

## Programme Curriculum

**Data Visualization for SCM Training Course**

**Introduction**

Data-driven decision-making has become a cornerstone of modern supply chain management. The ability to visualize complex data sets efficiently empowers organizations to optimize operations, reduce costs, and improve customer satisfaction. Data Visualization for SCM Training Course is designed to equip professionals with advanced tools, techniques, and practical knowledge to transform raw data into actionable insights. Participants will gain proficiency in leveraging industry-standard visualization software, interpreting dashboards, and implementing predictive analytics to enhance strategic planning.

As global supply chains become increasingly intricate, the need for timely and accurate data visualization grows. This course emphasizes hands-on learning, enabling participants to design interactive dashboards, identify trends, monitor key performance indicators (KPIs), and communicate insights effectively across organizational levels. By integrating real-world case studies, participants will learn how to drive supply chain efficiency, forecast demand, manage inventory, and mitigate risks using cutting-edge data visualization strategies.

**Course Objectives**

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

1. Understand the fundamentals of data visualization in supply chain management.
2. Apply advanced visualization techniques for supply chain analysis.
3. Design interactive dashboards using leading visualization tools.
4. Interpret supply chain data for strategic decision-making.
5. Monitor KPIs and performance metrics effectively.
6. Implement predictive analytics for demand forecasting.
7. Analyze inventory patterns and optimize stock levels.
8. Improve procurement and logistics decisions using visual insights.
9. Identify trends and anomalies in supply chain data.
10. Communicate complex supply chain insights clearly to stakeholders.
11. Integrate real-time data visualization into SCM operations.
12. Enhance cross-functional collaboration using visual analytics.
13. Apply data-driven solutions to mitigate supply chain risks.

**Organizational Benefits**

- Streamlined decision-making processes.
- Enhanced supply chain efficiency and productivity.
- Reduced operational costs through data-driven insights.
- Improved inventory management and demand forecasting.
- Optimized procurement and logistics planning.
- Increased transparency across departments.
- Better risk identification and mitigation strategies.
- Improved customer satisfaction through timely deliveries.
- Empowered employees with data literacy and analytical skills.
- Enhanced competitive advantage through strategic insights.

**Target Audiences**

1. Supply chain managers and analysts.
2. Operations and logistics professionals.
3. Procurement specialists.
4. Inventory control managers.
5. Data analysts in SCM.
6. IT professionals supporting supply chain systems.
7. Business intelligence professionals.
8. Project managers involved in supply chain initiatives.

**Course Duration:** 5 days

**Course Modules**

**Module 1: Introduction to Data Visualization in SCM**

- Importance of data visualization for supply chains
- Types of supply chain data and analytics
- Overview of visualization tools and software
- Key performance indicators (KPIs) in SCM
- Case study: Visualizing warehouse operations

**Module 2: Dashboard Design Principles**

- Principles of effective dashboard design
- Layouts and interactive elements
- Selecting appropriate charts and graphs
- Storytelling with data in dashboards
- Case study: Procurement dashboard analysis

**Module 3: Data Sources and Integration**

- Identifying key supply chain data sources
- Integration of ERP, WMS, and TMS data
- Data cleansing and preprocessing techniques
- Connecting data to visualization tools
- Case study: Integrating sales and inventory data

**Module 4: Advanced Visualization Techniques**

- Heat maps, scatter plots, and trend lines
- Time series and forecasting visualization
- Geographic and network mapping
- Visualizing complex supply chain networks
- Case study: Logistics performance optimization

**Module 5: Predictive Analytics in SCM**

- Fundamentals of predictive modeling
- Demand forecasting visualization
- Inventory prediction using historical data
- Risk assessment through predictive insights
- Case study: Forecasting stockouts and delays

**Module 6: KPI Monitoring and Reporting**

- Selecting critical supply chain KPIs
- Real-time monitoring dashboards
- Automated reporting and alerts
- Communicating performance to stakeholders
- Case study: Transportation efficiency monitoring

**Module 7: Data Storytelling and Communication**

- Techniques for effective data storytelling

- Tailoring visualizations to audience needs
- Simplifying complex data for decision-makers
- Using visual narratives for executive presentations
- Case study: Communicating global supply chain trends

**Module 8: Hands-On Project and Capstone Case Study**

- Practical application of visualization techniques
- Designing a comprehensive SCM dashboard
- Analyzing real-world supply chain data
- Presenting insights and actionable recommendations
- Case study: End-to-end supply chain visualization

**Training Methodology**

- Interactive lectures and demonstrations
- Hands-on exercises with SCM datasets
- Software tool tutorials and guided practice
- Group discussions and peer learning
- Real-world case studies analysis
- Capstone project presentation and feedback

**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**

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com