Gender and Data Visualization Training Course

Professional Development Training Course Outline

Category	Gender Studies	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today's data-driven world, understanding and visualizing gender-related data is essential for promoting equity, inclusion, and informed decision-making. **Gender and Data Visualization Training Course** equips professionals with cutting-edge skills in analyzing, interpreting, and presenting gender-disaggregated data using modern visualization tools and techniques. Participants will gain the expertise to uncover trends, identify disparities, and communicate insights effectively, bridging the gap between complex datasets and actionable strategies for gender equality.

This training integrates **practical case studies**, interactive exercises, and hands-on projects to ensure participants not only master technical skills but also understand the ethical and societal implications of gender data. By combining **data literacy, gender analysis, and visualization proficiency**, this course empowers individuals to drive impactful decisions across sectors, including policy-making, development programs, research, and corporate diversity initiatives.

Programme Curriculum

Gender and Data Visualization Training Course

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10 days

Course Objectives

1. Develop proficiency in gender-disaggregated data collection and management.
2. Master interactive data visualization tools like Tableau, Power BI, and Python visualization libraries.
3. Understand gender analytics frameworks for policy, social, and economic programs.
4. Apply data storytelling techniques to effectively communicate gender insights.
5. Analyze intersectional disparities in employment, education, and healthcare using datasets.
6. Implement data cleaning and preparation best practices for accurate gender reporting.
7. Create dashboards and infographics tailored for diverse stakeholders.
8. Evaluate ethical considerations in gender data representation.
9. Conduct trend analysis to identify gender gaps over time.
10. Integrate open-source gender datasets into visualization projects.
11. Leverage predictive analytics to anticipate gender-related outcomes.
12. Foster decision-making based on evidence-driven gender insights.
13. Promote gender equity through actionable data visualization strategies.

Target Audience

1. Gender specialists and equality advocates
2. Data analysts and data scientists
3. Policy makers and government officials
4. NGO and development program managers
5. Academics and researchers in social sciences
6. Corporate diversity, equity, and inclusion (DEI) officers
7. Media and communications professionals
8. Students pursuing data analytics or gender studies

Course Modules

Module 1: Introduction to Gender and Data

- Understanding gender concepts in data collection
- Importance of gender-disaggregated statistics
- Global frameworks for gender data
- Key challenges in gender data analysis
- Case Study: UN Women Gender Data Portal

Module 2: Data Collection Techniques for Gender Analysis

- Surveys, censuses, and administrative data sources
- Ethical data collection practices
- Designing inclusive questionnaires
- Handling sensitive gender information
- Case Study: Gender in COVID-19 Impact Surveys

Module 3: Data Cleaning and Preparation

- Identifying missing or inconsistent data
- Standardizing gender variables
- Handling intersectional data
- Tools for data preprocessing
- Case Study: Gender Pay Gap Dataset Preparation

Module 4: Introduction to Data Visualization Tools

- Overview of Tableau, Power BI, Python (Matplotlib, Seaborn)
- Choosing the right visualization type
- Interactive vs static visualizations
- Customizing dashboards
- Case Study: Visualizing Women's Political Representation

Module 5: Basic Charts and Graphs

- Bar, line, and pie charts
- Scatterplots and bubble charts
- Histograms and density plots
- Color and accessibility considerations
- Case Study: Education Gender Gap in Africa

Module 6: Advanced Visualization Techniques

- Heatmaps and treemaps
- Sankey and network diagrams
- Time series visualizations
- Geographic mapping with gender data
- Case Study: Mapping Gender Inequality Index

Module 7: Data Storytelling with Gender Insights

- Narrative techniques for data
- Crafting compelling visual stories
- Highlighting disparities and trends
- Audience-centric communication
- Case Study: Storytelling in UN Gender Reports

Module 8: Intersectional Analysis

- Understanding multiple identities in datasets
- Techniques for layered analysis
- Visualizing intersectional gaps
- Best practices in representation
- Case Study: Intersection of Gender and Disability

Module 9: Gender Indicators and Metrics

- Common gender indicators in health, education, and labor
- Constructing composite indices

- Tracking progress over time
- Benchmarking across regions
- Case Study: Gender Wage Gap Metrics

Module 10: Predictive Analytics for Gender Data

- Regression analysis and forecasting
- Predicting gender outcomes
- Scenario planning and modeling
- Data-driven decision-making
- Case Study: Predicting Female STEM Participation

Module 11: Dashboard Design and User Experience

- Principles of effective dashboard design
- Interactive filters and drill-downs
- Tailoring dashboards for stakeholders
- Visual hierarchy and storytelling
- Case Study: DEI Corporate Dashboard

Module 12: Ethical Considerations in Gender Data

- Privacy, consent, and sensitivity
- Avoiding bias and misrepresentation
- Ensuring transparency
- Guidelines for ethical visualization
- Case Study: Misrepresentation in Gender Statistics

Module 13: Open-Source Gender Data

- Global and regional datasets
- Integration with visualization platforms
- Data APIs for real-time updates
- Ensuring data reliability
- Case Study: Gender Data from World Bank and UNDP

Module 14: Project-Based Learning

- Capstone project on gender visualization
- Peer reviews and collaborative work
- Real-world problem-solving exercises
- Iterative design and feedback
- Case Study: Visualizing Gender in Urban Planning

Module 15: Policy and Advocacy with Data

- Using visualization for advocacy
- Engaging policymakers and stakeholders
- Communicating actionable insights
- Reporting and publication strategies
- Case Study: Gender Equity Policy Recommendations

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

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	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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

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