Gender Data Analysis Training Course

Professional Development Training Course Outline

Category	Gender Studies	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s data-driven world, Gender Data Analysis is a critical tool for advancing gender equality, social inclusion, and evidence-based policymaking. Gender Data Analysis Training Course equips participants with cutting-edge skills in gender-disaggregated data, intersectional analysis, data visualization, and impact evaluation to uncover inequalities and inform transformative interventions. With global commitments such as the Sustainable Development Goals (SDGs) emphasizing inclusive data systems, the demand for professionals skilled in gender-sensitive data analytics, big data for development, and inclusive research methodologies continues to grow rapidly.

This training provides a comprehensive, practical, and hands-on approach to analyzing gender data across sectors including education, health, governance, and economic development. Participants will explore AI-powered analytics, gender-responsive budgeting, machine learning applications, and ethical data governance, while applying tools such as Excel, Power BI, SPSS, and Python. By integrating real-world case studies and policy frameworks, this course empowers learners to transform raw data into actionable insights that promote gender equity and inclusive development outcomes.

Programme Curriculum

Gender Data Analysis Training Course

Introduction

In today’s data-driven world, Gender Data Analysis is a critical tool for advancing gender equality, social inclusion, and evidence-based policymaking. Gender Data Analysis Training Course equips participants with cutting-edge skills in gender-disaggregated data, intersectional analysis, data visualization, and impact evaluation to uncover inequalities and inform transformative interventions. With global commitments such as the Sustainable Development Goals (SDGs) emphasizing inclusive data systems, the demand for professionals skilled in gender-sensitive data analytics, big data for development, and inclusive research methodologies

continues to grow rapidly.

This training provides a comprehensive, practical, and hands-on approach to analyzing gender data across sectors including education, health, governance, and economic development. Participants will explore AI-powered analytics, gender-responsive budgeting, machine learning applications, and ethical data governance, while applying tools such as Excel, Power BI, SPSS, and Python. By integrating real-world case studies and policy frameworks, this course empowers learners to transform raw data into actionable insights that promote gender equity and inclusive development outcomes.

Course Duration

5 days

Course Objectives

By the end of the training, participants will be able to:

1. Apply gender-responsive data analysis frameworks in development projects
2. Interpret gender-disaggregated datasets for informed decision-making
3. Utilize data visualization tools for gender insights (Power BI, Tableau)
4. Conduct intersectional gender analysis using advanced methodologies
5. Integrate AI and machine learning in gender data analytics
6. Design and implement gender-sensitive monitoring and evaluation systems
7. Analyze gender gaps in socio-economic indicators
8. Apply big data analytics for gender equality research
9. Develop gender-responsive budgeting models using data
10. Ensure ethical data collection and gender data governance
11. Use statistical tools (SPSS, R, Python) for gender analysis
12. Translate data into policy briefs and actionable insights
13. Strengthen evidence-based advocacy using gender data storytelling

Target Audience

1. Gender specialists and equality advocates
2. Data analysts and research professionals
3. Monitoring and evaluation (M&E) officers
4. Government policymakers and planners
5. NGO and development practitioners
6. Academics and social science researchers
7. Program managers in international organizations
8. Students in data science, gender studies, and development fields

Course Modules

Module 1: Introduction to Gender Data Analysis

- Concepts of gender, equity, and inclusion in data
- Importance of gender-disaggregated data systems
- Overview of global gender data frameworks
- Data sources: surveys, censuses, administrative data
- Case Study: Gender data gaps in SDG reporting

Module 2: Data Collection & Gender-Sensitive Methods

- Designing gender-responsive research tools
- Quantitative vs qualitative gender data collection
- Addressing bias in data sampling
- Ethical considerations in gender data
- Case Study: Inclusive data collection in rural communities

Module 3: Data Management & Cleaning

- Data preparation and validation techniques
- Handling missing gender data
- Data coding and classification by gender
- Introduction to Excel and data cleaning tools
- Case Study: Cleaning national survey datasets

Module 4: Statistical Analysis for Gender Data

- Descriptive and inferential statistics
- Gender gap analysis techniques
- Regression analysis for gender indicators
- Using SPSS/R for gender data
- Case Study: Wage gap analysis across sectors

Module 5: Data Visualization & Storytelling

- Principles of **gender data visualization**
- Tools: Power BI, Tableau dashboards
- Communicating gender insights effectively
- Infographics for advocacy
- Case Study: Visualizing education gender disparities

Module 6: Intersectionality & Advanced Analysis

- Understanding **intersectional inequalities**
- Multivariate analysis for gender research
- Linking gender with age, disability, income
- Advanced analytics using Python
- Case Study: Intersectionality in urban poverty

Module 7: Gender Data in Policy & Planning

- Evidence-based policymaking
- Gender-responsive budgeting using data
- Monitoring SDGs with gender indicators
- Policy impact evaluation
- Case Study: Gender budgeting in public finance

Module 8: Emerging Trends in Gender Data

- AI and machine learning applications
- Big data for gender equality

- Open data and gender transparency
- Data governance and privacy
- Case Study: Using AI to detect gender bias in hiring

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	27 Nov 2026	Online	$1,000

Start Date	End Date	Location	Price
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