Stata for M&E Practitioners Training Course

Professional Development Training Course Outline

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

Course Introduction

In today’s data-driven development landscape, Monitoring and Evaluation (M&E) practitioners require robust analytical tools to generate actionable insights. Stata for M&E Practitioners Training Course equips professionals with the skills to perform advanced statistical analyses, visualize complex datasets, and strengthen evidence-based decision-making. Leveraging Stata’s powerful capabilities, participants will enhance their capacity in quantitative research, data cleaning, regression modeling, program evaluation, and impact assessment.

Designed for both emerging and experienced M&E professionals, this course emphasizes practical application, real-world case studies, and hands-on exercises. Participants will learn to streamline data management workflows, conduct trend analysis, and produce high-quality reports that inform policy and programmatic decisions. By integrating modern statistical techniques, program performance tracking, and visualization strategies, this training ensures M&E teams are prepared to deliver precise, actionable, and timely insights for improved development outcomes.

Programme Curriculum

Stata for M&E Practitioners Training Course

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Course Objectives

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

1. Master data cleaning and transformation in Stata for reliable analysis.
2. Conduct descriptive and inferential statistical analysis for program evaluation.
3. Apply regression models to assess program impacts and outcomes.
4. Utilize longitudinal and panel data analysis to monitor trends over time.
5. Design M&E dashboards using Stata for real-time insights.
6. Interpret statistical outputs to inform evidence-based decisions.
7. Conduct impact evaluations and counterfactual analysis.
8. Implement data visualization techniques to communicate results effectively.
9. Integrate survey data management and analysis in Stata.
10. Apply time-series analysis for program performance monitoring.
11. Ensure data quality and integrity in M&E datasets.
12. Conduct predictive analytics to forecast program outcomes.
13. Develop policy briefs and evaluation reports using Stata outputs.

Target Audience

1. M&E Officers and Coordinators
2. Program Managers and Directors
3. Research Analysts and Data Specialists
4. Policy Advisors and Government Officials
5. Development Consultants and NGOs Staff
6. Social Scientists and Statisticians
7. Donor and Funding Agency Staff
8. Academic Researchers in Public Policy and Development

Course Modules

Module 1: Introduction to Stata for M&E

- Overview of Stata interface and commands
- Data import/export and formatting
- Basic statistical functions for M&E
- Data cleaning and management techniques
- **Case Study:** Cleaning household survey data for baseline evaluation

Module 2: Descriptive Statistics and Data Summarization

- Frequency distributions and cross-tabulations
- Measures of central tendency and variability
- Graphical data representation
- Summary tables for reporting
- **Case Study:** Summarizing health survey indicators

Module 3: Regression Analysis for Program Evaluation

- Linear and logistic regression
- Interpreting coefficients and p-values
- Checking model assumptions
- Model diagnostics and improvement
- **Case Study:** Assessing the impact of an education intervention

Module 4: Advanced Data Management

- Merging, appending, and reshaping datasets
- Handling missing data and outliers
- Creating variables and labels
- Automating repetitive tasks with do-files
- **Case Study:** Consolidating multi-source NGO program datasets

Module 5: Panel and Longitudinal Data Analysis

- Fixed-effects and random-effects models
- Time-variant vs. time-invariant variables
- Trend analysis and growth models
- Visualizing longitudinal data
- **Case Study:** Monitoring income trends in a livelihood program

Module 6: Survey Data Analysis

- Weighting and complex survey designs
- Clustered sampling analysis
- Estimating population parameters
- Confidence intervals and margins of error
- **Case Study:** Analyzing national demographic and health survey data

Module 7: Data Visualization and Reporting

- Creating charts, graphs, and maps in Stata
- Customizing outputs for reports and presentations
- Exporting tables to Word/Excel/PowerPoint
- Storytelling with data for policymakers
- **Case Study:** Visualizing vaccination coverage trends for donor reports

Module 8: Advanced Analytics and Predictive Modeling

- Time-series forecasting for program planning
- Propensity score matching for impact evaluation
- Simulation techniques and scenario analysis
- Translating analysis into actionable insights

- **Case Study:** Forecasting school enrollment outcomes using Stata

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
23 Nov 2026	27 Nov 2026	Physical	$1,500

Start Date	End Date	Location	Price
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