Program Evaluation in Advanced Designs and Analytics Training Course

Professional Development Training Course Outline

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

Course Introduction

In today’s data-driven and impact-focused world, program evaluation has evolved into a strategic necessity for organizations, governments, and development agencies. Program Evaluation in Advanced Designs and Analytics training is meticulously crafted to equip professionals with cutting-edge skills in impact assessment, data analytics, experimental designs, mixed methods research, and advanced statistical tools. Advanced Designs and Analytics Training Course addresses the rising demand for evaluators who can integrate quantitative, qualitative, and hybrid approaches to generate actionable insights, ensuring programs deliver measurable and sustainable outcomes across sectors like education, health, social policy, and international development.

Participants will master theory-driven evaluation, big data analytics, machine learning applications in evaluation, and participatory evaluation techniques. The program emphasizes real-world application through case studies, hands-on data analysis, predictive modeling, and visualization tools. Whether you’re enhancing public programs, nonprofit interventions, or private sector initiatives, this course will position you as a leader in evaluation science, driving data-informed decision-making and strategic improvements.

Programme Curriculum

Program Evaluation in Advanced Designs and Analytics Training Course

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Course Objectives

1. Master theory of change and logic models for robust evaluation frameworks.
2. Apply experimental, quasi-experimental, and mixed-methods designs in diverse evaluation contexts.
3. Utilize big data analytics and predictive modeling to assess program impact.
4. Enhance skills in machine learning applications for advanced program analysis.
5. Employ multivariate analysis and structural equation modeling (SEM) for complex evaluations.
6. Integrate data visualization techniques for impactful reporting and storytelling.
7. Implement real-time data monitoring systems to improve program responsiveness.
8. Analyze programs using cost-benefit and cost-effectiveness analysis for resource optimization.
9. Apply participatory and culturally responsive evaluation methods in global settings.
10. Use longitudinal data analysis to measure outcomes over time.
11. Conduct meta-evaluation to assess the quality of evaluations conducted.
12. Navigate ethical considerations and data privacy in evaluation research.
13. Build capacity in evaluation policy, advocacy, and utilization-focused evaluation.

Target Audiences

1. Monitoring and Evaluation (M&E) Professionals
2. Policy Analysts and Researchers
3. Development Practitioners
4. Data Scientists and Statisticians
5. NGO Program Managers
6. Government Officials and Planners
7. Academicians and Scholars in Social Sciences
8. Corporate Social Responsibility (CSR) Strategists

Course Duration: 5 days

Course Modules

Module 1: Foundations of Advanced Program Evaluation

- Understanding **Theory of Change & Logic Models**
- Frameworks for **Evaluation Planning**
- Setting Evaluation Criteria & Indicators
- Mapping Stakeholders and Contextual Analysis
- Ethical Principles in Program Evaluation
- **Case Study:** UNICEF's Education Program Evaluation Framework

Module 2: Experimental and Quasi-Experimental Designs

- Randomized Control Trials (RCTs)
- Propensity Score Matching (PSM)
- Regression Discontinuity Designs
- Difference-in-Differences Approach
- Addressing Bias in Impact Evaluation

- **Case Study:** Impact Evaluation of Cash Transfer Programs in Africa

Module 3: Mixed Methods and Participatory Approaches

- Designing Mixed Methods Studies
- Integrating Qualitative and Quantitative Data
- Participatory Rural Appraisal (PRA) Techniques
- Gender-Responsive Evaluation Tools
- Culturally Adaptive Evaluation Frameworks
- **Case Study:** USAID's Global Health Initiatives

Module 4: Advanced Data Analytics and Predictive Modeling

- Introduction to Predictive Analytics
- Machine Learning for Social Program Evaluation
- Using R and Python for Data Analysis
- Data Cleaning and Management
- Visual Analytics for Policy Impact
- **Case Study:** Predictive Analytics in Youth Employment Programs

Module 5: Statistical Techniques for Complex Evaluations

- Multivariate Regression Analysis
- Structural Equation Modeling (SEM)
- Longitudinal Data Analysis
- Cluster and Factor Analysis
- Handling Missing Data and Bias
- **Case Study:** SEM in Education Policy Research

Module 6: Real-Time Monitoring and Data Visualization

- Setting up Real-Time Monitoring Systems
- Dashboards for Program Monitoring
- Data Visualization Best Practices
- Use of Power BI and Tableau
- Communicating Data for Decision Making
- **Case Study:** Real-Time Monitoring in Health Interventions by WHO

Module 7: Economic Evaluation Methods

- Cost-Benefit Analysis
- Cost-Effectiveness Analysis
- Return on Investment (ROI) Metrics
- Economic Modeling Techniques
- Financial Data Interpretation
- **Case Study:** Cost-Effectiveness of Malaria Prevention Programs

Module 8: Evaluation Policy, Ethics, and Meta-Evaluation

- Developing Evaluation Policies
- Navigating Ethical and Legal Issues
- Meta-Evaluation Standards and Methods
- Capacity Building in Evaluation Teams
- Advocacy for Evidence-Based Policy
- **Case Study:** Meta-Evaluation of Education Interventions by the World Bank

Training Methodology

- Interactive Lectures & Expert Facilitations
- Hands-on Data Analytics Workshops
- Group Discussions & Peer Learning
- Simulation Exercises and Real-World Scenarios
- Case Study Analysis & Practical Applications
- Pre- and Post-Assessment for Skill Evaluation

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

Start Date	End Date	Location	Price
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