

# € TRAINING

Study Design and Research Methods



29 June - 3 July 2025  
Cairo (Egypt)



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REF: G2028 DATE: 29 June - 3 July 2025 Venue: Cairo (Egypt) - Fee: 4095 Euro

## Introduction:

In today's rapidly evolving academic and professional landscape, the ability to conduct rigorous and impactful research is more valuable than ever. This training program is designed to provide participants with the essential knowledge and tools to navigate the intricacies of research methodology with confidence. It delves into the fundamental principles of study design and research methods, guiding them through each step of the research process from formulating research questions to disseminating their findings.

## Program Objectives:

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

- Explore the fundamental principles and significance of research methodology.
- Evaluate and perform appropriate study designs and sampling techniques.
- Utilize effective data collection and analysis methods to produce actionable insights.
- Address ethical considerations and challenges in research practices.
- Design and execute comprehensive research studies, including dissemination of findings.

## Targeted Audience:

- Researchers in academia.
- Professionals in various fields requiring research skills.
- Employees in policy analysis and development.
- Consultants and analysts in research firms or organizations.

## Program Outlines:

### Unit 1.

#### Introduction to Research Methodology:

- Explore the significance of research in various fields.
- Understand basic principles of research methodology.
- Recognize the role of research questions and hypothesis formulation.

- Identify key components of a research study.

## Unit 2.

### Study Designs and Sampling Techniques:

- Examine different research designs and their are of applications.
- Understand the concept of sampling and its importance.
- Learn various sampling techniques: andom and stratified sampling.
- Evaluate strengths and limitations of different sampling methods.
- Determine sample sizes effectively.

## Unit 3.

### Data Collection Methods and Analysis Techniques:

- Explore diverse data collection methods, including surveys and interviews.
- Understand principles of data management and organization.
- Learn basic and advanced data analysis techniques: descriptive statistics and regression analysis.
- How to interpret and communicate research findings effectively.

## Unit 4.

### Ethical Considerations in Research:

- Understand ethical principles governing research involving human subjects.
- Explore ethical issues related to data collection, analysis, and reporting.
- Learn about informed consent procedures and confidentiality.
- Identify and address conflicts of interest and biases.
- Develop strategies for addressing ethical challenges in research.

## Unit 5.

### Designing and Conducting Research Studies:

- Develop skills for designing research studies aligned with objectives.



- Learn how to develop research proposals and secure funding.
- Understand the importance of research replication and reproducibility.
- Explore strategies for effective project management.
- Understand the process of disseminating research findings through publications and presentations.