



Professional Certificate in Quantitative Methods and Analysis

Training Brief: The course seeks to prepare you for design, data collection, and analysis of quantitative data. The course gives a focus on statistical inference, where participants will be introduced to how to draw conclusions about populations from sample data.

Learning Outcomes:

By the end of this training, participants will:

- Have advanced understanding of methodological principles, core concepts and techniques in quantitative research
- Have theoretical as well as practical understanding of fundamental concepts of statistical analysis
- Be able to discuss, apply and assess quantitative methods in relation to a chosen research design
- Be able to collect and analyse own data

Target Group:

The course targets researchers and all persons interested in quantitative methods and analysis.

Coverage

DAY	DETAILS
5-Days Training	Introduction Designing quantitative data collection questionnaire Descriptive statistics: Measures of central tendency and dispersion Sampling and Sample Size Determination Inferential statistics: Confidence intervals Hypothesis testing Sample Tests, ANOVA, Chi-Square, P-Value Test Measures of association: Bivariate measures, correlations, scatter plots, and regression analysis SPSS, STATA & Excel

Award Upon Completion

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