SPSS Certification

Introduction

This is a highly practical training that aims to make you a professional in SPSS. We will meet for everyday each week. For maximum learning, the course is delivered through a combination of live and E-Learning sessions.

Live Sessions

Live sessions are held via Zoom. These are highly interactive sessions where participants are guided on key SPSS skills to enable them manage data.

E-Learning Sessions

Here, we have a host of prerecorded sessions, PPT notes, SPSS toolkits, links etc. all aimed at equipping participants with the most current SPSS skills. After each session, a self-assessment quiz is provided to reinforce learning. Once a participant completes a session including the quiz, the system opens the following session.

Course Completion

In order for you to be considered to have completed the course, you will need to fulfill the following criteria:

- Attend minimum 70% of live sessions
- Complete E-Learning lessons
- Clear the fees

N/B - A certificate will be issued upon completion of the course.

Course Outline

Week 1		
Day	**Topic**	**Topic Outcomes** (By the end of the session, the learner should be able to:)
Day 1	**Introduction to statistical analysis**	Identify the steps in the research process Principles of statistical analysis
Day 2	**Examine individual variables**	Identify measurement levels Chart individual variables Summarize individual variables Examine the normal distribution Examine standardized scores

Day 3	Test hypotheses about individual variables	☑ Identify population parameters and sample statistics ☑ Examine the distribution of the sample mean ☑ Determine the sample size ☑ Test a hypothesis on the population mean ☑ Construct a confidence interval for the population mean ☑ Tests on a single variable: One-Sample T Test, Paired-Samples T Test, and Binomial Test
Day 4	Test the relationship between categorical variables	☑ Chart the relationship between two categorical variables ☑ Describe the relationship: Compare percentages in Crosstabs ☑ Test the relationship: The Chi-Square test in Crosstabs ☑ Assumptions of the Chi-Square test ☑ Pairwise compare column proportions ☑ Measure the strength of the association

Online Self-Assessment Quiz 1

Week 1

Day	Topic	Topic Outcomes (By the end of the session, the learner should be able to:)
Day 5	Test on the difference between two group means	☑ Compare the Independent-Samples T Test to the Paired Samples T Test ☑ Chart the relationship between the group variable and scale variable ☑ Describe the relationship: Compare group means ☑ Test on the difference between two group means: Independent-Samples T Test ☑ Assumptions of the Independent-Samples T Test
Day 6	Test on differences between more than two group means	☑ Describe the relationship: Compare group means ☑ Test the hypothesis of equal group means: One-Way ANOVA ☑ Assumptions of One-Way ANOVA ☑ Identify differences between group means: post-hoc tests
Day 7	Test the relationship between scale variables	☑ Chart the relationship between two scale variables ☑ Describe the relationship: Correlation ☑ Test on the correlation ☑ Assumptions for testing on the correlation ☑ Treatment of missing values
Day 8	Predict a scale variable: Regression	☑ What is linear regression? ☑ Explain unstandardized and standardized coefficients ☑ Assess the fit of the model: R Square ☑ Examine residuals ☑ Include 0-1 independent variables ☑ Include categorical independent variables

Online Self-Assessment Quiz 2