



SPSS Certification

For more information or to enroll contact;

Tel: +254 725 303 645

Email: info@vantageafricaleaders.com

Location: C603, 6th Floor Astrol Business
Center Thika Road Nairobi



Introduction

This is a highly practical training that aims to make you a professional in SPSS. We will meet for 3 days each week for 4 weeks. 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, PS toolkits, links etc. all aimed at equipping participants with the most current PS 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 and other class assignments
- ☑ 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 3/11/2025	Introduction to Statistical Analysis	☑ Identify steps in the research process and principles of statistical analysis. ☑ ☑
Day 2 4/11/2025	Examination of Individual Variables	☑ Identify measurement levels, chart and summarize individual variables, examine the normal distribution, and standardized scores. ☑ ☑
Day 3 5/11/2025	Test Hypotheses about Individual Variables	☑ Test hypotheses about individual variables ☑ ☑ ☑
Online Self-Assessment Quiz 1		

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Week 2

Day	Topic	Topic Outcomes (By the end of the session, the learner should be able to:)
Day 4 10/11/2025	Relationship Between Categorical Variables	☞ Chart relationships between two categorical variables, describe relationships, and test using the Chi-Square test.
Day 5 11/11/2025	Difference Between Two Group Means	☞ Compare Independent-Samples T-Test and Paired Samples T-Test, chart relationships, and test the difference between two group means.
Day 6 12/11/2025	Differences Between More than Two Group Means	☞ Describe relationships, perform One-Way ANOVA, identify differences through post-hoc tests, and test equal group means.
Online Self-Assessment Quiz 2		

Week 3

Day	Topic	Topic Outcomes (By the end of the session, the learner should be able to:)
Day 7 17/11/2025	Relationship Between Scale Variables	☞ Chart and describe relationships, test correlations, address assumptions for correlation, and handle missing values.
Day 8 18/11/2025	Predicting a Scale Variable: Regression Analysis	☞ Understand linear regression, assess model fit, examine residuals, and include categorical and binary independent variables.
Day 9 19/11/2025	Advanced Data Management in SPSS	☞ Data cleaning techniques, recoding variables, merging datasets, splitting data.
Online Self-Assessment Quiz 3		

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Week 4

Day	Topic	Topic Outcomes (By the end of the session, the learner should be able to:)
Day 10 24/11/2025	Reporting and Visualization	☑ Generating output, customizing tables, creating ☑ visualizations, exporting results. ☑
Day 11 25/11/2025	Non-Parametric Tests	☑ Conduct Mann-Whitney U, Kruskal-Wallis, and ☑ Wilcoxon Signed-Rank tests; apply when ☑ assumptions of parametric tests are not met
Day 12 26/11/2025	Multivariate Analysis	☑ Introduction to multivariate techniques, factor ☑ analysis, cluster analysis.
Online Self-Assessment Quiz 4		

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