Introduction to SPSS Statistics Beginner Course -1 Day Event

Study design, Ethics form, Sample size, Analysis

Introduction

This 1-day course will help the complete beginner to acquire the skill necessary to create SPSS files from paper-based questionnaire responses; import Excel datasheet into SPSS for analysis; and correctly generate descriptive statistics and graphical summaries. You will learn to use a number of data manipulation techniques including recode, count occurrence, split files, compute, and multiple response data summary statistics.

Target Audience

- Post Graduate Researcher undertaking PhD study or Masters.
- Early Career Research new to research, on their first teaching & research post or an independent researcher.
- Mid-Career Researcher building reputation and esteem to help establish influence and leadership.
- Expert Researcher or Research Leader, influencing strategy and mentoring researchers of the future.

Pre-requisites

Little or no previous knowledge of SPSS or statistics is required.

Course Outline

The course is sub-divided into three sections:

Section 1- Explore SPSS using a sample data file.

By the end of the section, you will be able to:

1. Explore the SPSS package using a sample data file.
2. Recognise the importance of data types - categorical (nominal and ordinal) and continuous measurements.
3. Generate summary statistics and graphs appropriate for categorical data, continuous data and combine data types.
4. Summarise and explore relationships and comparisons between variables in the data using the Explore command and Cross tabulation matrices.

Section 2 - Create a new SPSS file and summarise the data.

By the end of the section, you will be able to:

1. Create an SPSS file from a paper base questionnaire.
2. Enter records into your newly created file.
3. Generate graphs (bar charts, pie charts, histograms, box plots, error bars, box-and-whisker plots), descriptive statistics, and cross-tabulation matrices.
4. Transfer the statistical outputs to Word or PowerPoint.

Section 3 - Data Manipulation Techniques

By the end of the section, you will be able to:

1. Recode continuous variable into categorical variable with subgroups.
2. Compute new variable from existing variables.
3. Select cases if a given criteria is met.
4. Split cases to generate separate outputs grouped by the split values.
5. Weight cases for group frequency counts.
6. Summarise multiple response variables.

Teaching Methods

The teaching method is mainly hands-on. It is supported by presentation, demonstration, encourage reflection, discussions, questions and answers.

The tutor will go around to examine each participant's project to provide suggestions, corrections and efficiency tips.

Training Workbook

Each participant receives an instructional workbook to work through and keep.

Certificate of Completion & After Training Support

Each participant receives a certificate of completion and ongoing after training support via phone, email and a weekly live questions and answers Webinar, Friday mornings 11-12 noon GMT.

Course Reminders

Please bring your laptop with IBM SPSS software installed and tested for working correctly. If you need to download a free trial version, here is a link to download.

Practice files come pre-loaded with a working copy of SPSS software.