CHRS
Complete Human Resource Solutions

Workshop on
Analysis of Research Data using SPSS

Introduction

The course has been specifically designed with an objective to enable participants understand different types of variables, distribution of data, SPSS commands, different statistical tests, SPSS output and its interpretation. On completion of the course, participants will be able to:

- ➲ Understand how the SPSS program works.
- ➲ Input data into SPSS and save it.
- ➲ Choose the appropriate data entry method for the type of data you have.
- ➲ Select the appropriate descriptive analysis technique for the type of data you have and the questions you are trying to an- swer.
- ➲ Perform the analyses using SPSS.
- ➲ Interpret the data output &
- ➲ Present the results to other researchers in an accessible fashion.

Program Details

DAY 1

4:00 to 5:30 PM
Designing a study
Preparing a codebook
Defining and labeling each of the variables;
Rules for naming of variable;
assigning numbers to each of the possible responses

Tea Break

6:00 to 7:30 PM
Information about Menus, Dialogue Boxes etc.
Label, Values, Missing, Converting to SPSS,
Merging files by adding variables, Splitting the data file etc

DAY 2

4:00 to 5:30 PM
Creating a data file & entering data, Screening and cleaning the data
Checking for errors (procedure for checking categorical variables, continuous variables,
Finding & correcting the errors & case summaries.

Tea Break

6:00 to 7:30 PM
Descriptive Statistics
Procedure for obtaining descriptive statistics
Procedure for categorical variables
Procedure for continuous variables
Assessing Normality
Checking for Outliers

DAY 3

4:00 to 5:30 PM
Using graphs to describe and explore the data
Histogram, Bar graphs etc.
Interpretations of output from these graphs.
Manipulating the data
Checking the reliability scale

Tea Break

6:00 to 7:30 PM
Statistical techniques to explore relationships among variables
Correlation
Partial correlation

DAY 4

4:00 to 5:30 PM
Multiple Regression
Statistical techniques to compare groups

Tea Break

6:00 to 7:30 PM
Non - parametric statistics T-Tests
One - way analysis of variance

DAY 5

4:00 to 5:30 PM
Two - way between groups ANOVA
Multivariate analysis of variance
Analysis of covariance

Tea Break

6:00 to 7:30 PM
Question Answer and Wrap up Discussion