

Training on SPSS

Schedule

Unit 1

Introduction about Variables, Attributes and Levels of measurements.

Hypotheses: Concept & Types of Hypotheses, Formulation of Hypothesis.

Selection of appropriate statistical tests.

Testing of Hypothesis. Reliability and Validity.

Unit 2

Introduction to SPSS: Data files, Output files, Syntax files,

Data Entry in SPSS, Data cleaning and Data manipulation (Compute and Recode).

Descriptive Statistics: Measures of Central Tendency (Mean, Median, Mode),

Measures of dispersion (Range, QD, SD).

Cross Tabulation, Graphical representation of Data (Histogram, Charts and Boxplot),

Checking Normality, Reliability and other assumptions.

Unit 3

Parametric tests:

Chi-square Test

One sample T Test

Independent Sample T test

Paired T Test

One-way ANOVA

Post-hoc tests in ANOVA

Unit 4

Non parametric tests:

Mann Whitney U Test

Wilcoxon Matched-Pairs test

Kruskal–Wallis one-way ANOVA

Friedman's ANOVA

Repeated measures ANOVA.

Unit 5

Simple Correlation and Multiple Correlation

Karl Pearson correlation

Rank correlation or Spearman's Rho

Unit 6

Regression: Checking assumptions (linearity and multicollinearity etc.),

Simple Linear Regression

Multiple Linear Regression

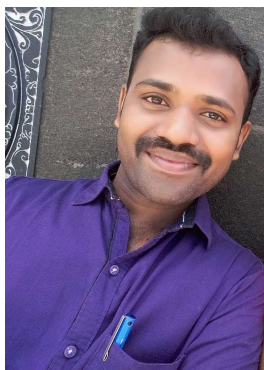
Unit 7

Factor analysis

Discriminant Analysis

Cluster analysis

AUTHOR'S PROFILE



Dr. M. Maria Antony Raj, Assistant Professors, Department of Social Work, Kalasalingam Academy of Research and Education, Tamil Nadu. I have pursued PhD in Social Work from Pondicherry University and awarded as Senior Research Fellow by UGC. I have five years of teaching experience and three years of research and training experience. I have published several articles in the area of Social Work and also worked as Project Coordinator in many research projects. I have specialized in the field of Community Development, Participatory Rural Appraisal (PRA), Corporate Social Responsibility (CSR), Positive Psychology, Disability Management, Research Methodology, Statistical Package for Social Sciences (SPSS) and Analysis of a Moment Structures (AMOS).