

Academic Year : 2021-22

Course Code : ADD-SW-07

Training Faculty : Mr. Arun George

Total Hours : 30 Hrs

STATISTICAL PACKAGE FOR SOCIAL SCIENCES.

SYLLABUS

Program Objectives

- To equip social work trainees with survey coding and data entry
- To understand data analysis and interpretation with SPSS
- To develop social work trainees to use SPSS output to produce scientifically sound research reports
- To understand analysis and interpret charts

MODULE 1: DATA HANDLING

Open SPSS data file – save – import from other data source – data entry – labelling for dummy numbers

Recode into same variable – recode in to different variable – transpose of data – insert variables and cases – merge variables and cases.

MODULE 2: DIAGRAMMATIC REPRESENTATION

Simple Bar diagram – Multiple bar diagram – Sub-divided Bar diagram - Percentage diagram

Pie Diagram – Frequency Table – Histogram – Scatter diagram – Box plot.

MODULE 3: DESCRIPTIVE STATISTICS

Mean, Median, Mode, SD- Correlation – Karl Pearson's and Spearman's Rank Correlation,

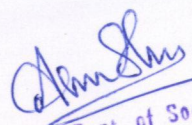
Regression analysis: Simple and Multiple Regression Analysis

MODULE 4: TESTING OF HYPOTHESIS

Parametric – One sample – Two sample Independent t – test – Paired t – test.

Non – parametric: One sample KS test- Mann-Whitney U test – Wilcoxon Signed Rank test - Kruskal Wallis test – Friedman test- Chi- square test.

Analysis of variance: One way and two way ANOVA.


Head, Dept. of Social work
Santigiri College of Computer Science
Vazhithala, Thodupuzha



