

Rajagiri College of Social Sciences(Autonomous)

Statistical Packages for Social Sciences(SPSS)

COURSE CODE: VAPS-01

Course Objective:

- 1) To help students understand the fundamentals of data interpretation and analysis using SPSS software.
- 2) To help students generate information from provided data which will help in better decision making.

Total Hours	Offered During	Recourse Person
30hr.	2nd Semesters	Prof. Veeva Mathew Email: veevamatthew@rajagiri.edu Prof. Deepak BabuEmail: Email:deepak@rajagiri.edu

Session Plan

Session 1: Variable definition and data entry in SPSS, Importing and Exporting files
Session 2: Descriptive Statistics (Means, dispersion, Quartiles, Percentiles)
Session 3: Data Transformations (Compute, recode and visual binning functions in SPSS); z-score
Session 4: Exploring relationship between variables: Comparison of Means, Crosstab.

Session 5: Strength of relationships: measures of association and relationships Testing of Hypothesis: One sample t-test

Session 6: Independent sample t-test, One-way ANOVA, Post-Hoc; Chi-square

Session 7: Two-way ANOVA, Post-Hoc; bivariate correlations, partial correlations; Multiple correlations

Session 8: Regression: Simple and Multiple regression, Enter and Stepwise methods in regression, Test of Normality

Assessment plan:

Evaluation Criteria:

Component	Marks
End Examination Paly	50.00%
Class Participation	15.00%
Assignments	25.00%
Attendance	10.00%
Total	100.00%

Learning Outcomes:

1. Display competence in analytical Skills .
2. Demonstrate to visualize and interpret data analysis.

