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.
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Total Hours	Offered During	Resourse Person
30hr.	2nd Semesters	Prof. Veeva Mathew Email: veevamathew@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.