

SYLLABUS

MODULE 1 : Scales of Measurement and Types of Data

Scales of Measurement: - Nominal Scales, Ordinal Scales, Interval Scales and Ratio Scales - Types of data:- Continuous and Discrete Variables, Quantitative and Qualitative Variables.

MODULE 2 : Introduction to SPSS

Introduction - data view and variable view - Entering Data - Editing Data - Re coding in to Different Variable.

MODULE 3 : Descriptive Statistics and Data Analysis Using SPSS

Types of statistics - Frequency distribution - Measures of Central Tendency and Measures of Dispersion. Data analysis using SPSS - chi-square test - t test - analysis of variance – correlation - regression analysis.

References

1. Ajai S Gaur and Sanjaya S Gaur. Statistical Methods for Practice and Research, A guide to data analysis using SPSS: Sage Publications.
2. Darren George and Paul Mallery. SPSS for Windows Step by Step: Pearson Publication
3. Andy Field. Discovering Statistics using SPSS: Sage Publications.

HOURS NEEDED

MODULE	TOPICS/TITLE	HOURS PER WEEK		TOTAL HORS
		THEORY	PRACTICAL	
1	Scales of Measurement Nominal Scales, Ordinal Scales, Interval Scales and Ratio Scales	2		2
	Types of data Continuous and Discrete Variables, Quantitative and Qualitative Variables.	3		3
2	Introduction to SPSS	1	1	2
	data view and variable view		1	1
	Entering Data		1	1
	Editing Data		1	1
	Recoding in to Different Variable		2	2
3	Types of statistics	1	1	2
	Frequency distribution	1	1	2
	Measures of Central Tendency and Measures of Dispersion	1	1	2
	Data analysis using SPSS		2	2
	chi-square test		2	2
	t test		2	2
	analysis of variance		2	2
	correlation		2	2
regression analysis.		2	2	
OVER ALL		9	21	30

THEORY AND PRACTICAL EXAMINATION								
DURATION OF EXAM		MARKS FOR THEORY EXAMS			MARKS FOR PRACTICAL EXAMS			OVER ALL
THEORY	PRACTICAL	INTERNAL	EXTERNAL	TOTAL	INTERNAL	EXTERNAL	TOTAL	
1 Hours	2 Hours	Marks	40 Marks	40 Marks	Marks	60 Marks	60 Marks	100 Marks