

WORKSHOP ON SPSS

Resource Person: Mr. Siriyak. C. R.,
Technical Assistant, Statistician and Data Analyst.

In association with the Department of Statistics and IQAC, the Department of Mathematics organised a Two-Day Workshop on “SPSS” on 13th, 14th August, 2018, by Sri Siriyak. C.R.,

In this Inter-Departmental activity, the Resource Person, Mr. Siriyak. C. R. has inculcated the practical knowledge on how to use the Statistical Package for Social Sciences software which is a very significant statistical tool. The most obvious use of SPSS is to run various statistical tests under this single package. All students of Maths and Statistics availed this opportunity and benefitted from this Two-day Workshop.

Lecture by Siriyak.C.R.





Invitation

DAY 1	DAY 2
<i>Morning session</i> 10:30 AM TO 11:15 AM	<i>Morning session</i> 10:30 AM TO 11:15 AM (CLUSTER COURSES)
1. Starting SPSS, Creating Variables	1. Using K-Means to Classify Customers
2. Data and its types	2. Using TwoStep Cluster Analysis to Classify Motor Vehicles
3. Importing / Exporting Data into SPSS from Excel & Text	3. Advanced Regression (predictive Analytics)
4. Visual Mining	4. Using linear regression to model vehicle sales (factor Analysis)
5. Creating New Variable (compute functions), Re-code into same/different variables	5. Using Ordinal Regression to Build a Credit Scoring Model
6. Summary Statistics Using Frequencies	BREAK FROM 11:30AM TO 11:40 AM
7. Using Frequencies to Study Nominal Data Using Frequencies to Study Ordinal Data	6. Using Curve Estimation to Model the Law of Diminishing Returns
BREAK FROM 11:30AM TO 11:40 AM	7. Using Binary Logistic Regression to Assess Credit Risk
8. Using Frequencies to Study Scale Data	8. Using Multinomial Logistic Regression to Profile Consumers of Packaged Goods
9. Using Descriptive to Study Quantitative Data	LUNCH BREAK FROM 1:00PM TO 1:40PM
10. Using Crosstabs to study nominal-by-nominal relationships	9. Multivariate Analysis of Variance (MANOVA) Using the GLM Multivariate Procedure
11. Using Crosstabs to study ordinal-by-ordinal relationships	10. Using GLM Multivariate to Profile Churners
12. Select cases, Split file, Reporting – Tables, Custom & Multi Response Tables, Graphs & Charts (Bar, Pie, Line), Exporting Graphs, graphs templates	11. Using Logit Loglinear Analysis to Model Consumer Preference of Packaged Goods
<i>Tea for companion</i>	12. Using Cox Regression to Model Customer Time to Churn
13. Using Means to Obtain Descriptive Statistics	
14. One-way ANOVA and Test of Linearity	
15. One-Sample T Test	
16. Paired-Samples T Test	
17. Testing Two Independent Sample Means	
LUNCH BREAK FROM 1:00PM TO 1:40 PM	
18. Replace Missing Values	
19. Missing value imputation: Correlation	
20. Using Correlations to Study the Association between Motor Vehicles Sales and Fuel Efficiency	
21. Using Partial Correlations to Unravel Relationships	



**SRI DURGA MALLESWARA
SIDDHARTHA MAHILA KALASALA**
A College With Potential for Excellence
Re-accredited at 'A' Grade by NAAC
An Autonomous College in the Jurisdiction of Krishna University, Machilipatnam
VIJAYAWADA-10

IQAC in collaboration with

**DEPARTMENT OF MATHEMATICS
&
DEPARTMENT OF STATISTICS**

*Cordially Invite You all to the
Two DAY
WORKSHOP ON
SPSS
ON
13-8-18 & 14-8-18
at 10:00 A.M*

VENUE:
E-Class Room

**NO REGISTRATION
FEE**

RESOURCE PERSON

SIRJYAK C R

Technical Associate, Statistician & Data Analyst

CHAIR PERSONS

Dr. T. Vijaya Lakshmi

Director

SDM Siddhartha Mahila Kalasala

Dr. M. Nalini

Principal

SDM Siddhartha Mahila Kalasala

CONVENORS

Smt. S. Sudha Vani

H.O.D, Mathematics

Smt. A. Sufasini

H.O.D, Statistics

ABOUT DEPT. OF MATHEMATICS:

The Mathematics department was started in 1986. The Department offers B.Sc. (Maths, Physics, Chemistry), (Maths, Statistics, Computers), (Maths, Electronics, Computers), (Maths, Physics, Computers). The department believes in continuous knowledge enhancement by means of paper publications, regular participation in seminars and workshops.

Mathematics is a language which is also considered as a science of patterns. Through the subject we try develop in students a critical mindset and the ability to look into a problem through various angles & dimensions and make decisions confidently.

ABOUT DEPT. OF STATISTICS:

The Statistics department was started in 1998. The department of Statistics aims to enhance students' skills in data analysis and modeling in the field of probability and statistics and help they study on researches in the computer- supported applied field of statistics.

The department of Statistics helps students achieve an advanced level of statistical views and jointly work with their stakeholders independently to carry out effective projects and to enable them gain competence on computer software and programming. To learn various statistical techniques.

WORKSHOP OUTLINE:

SPSS is a widely used program for statistical analysis in social science. It is also used by market researchers, health researchers, survey companies, government, education researchers, marketing organizations, data miners and others. The original SPSS manual (NIE, WENT & HULL, 1970) has been described as one of "sociology's most influential books" for allowing ordinary researchers to do their own statistical analysis. In addition to statistical analysis, data management(case selection, file reshaping, creating derived data) and data documentation(a metadata dictionary was stored in the data file) are features of the basic software.

Statistics included in the base software:

Descriptive Statistics, Bivariate Statistics, Prediction for Numerical outcomes, prediction for identifying groups. programs can be run interactively or unattended, using the supplied production job facility.