

KRISHNA UNIVERSITY

**Krishna University Dr. MR Appa Row College of
Post Graduation Studies - Nuzvid**



Department of Statistics

TWO WEEKS VALUE ADDED COURSE

Two Weeks Value added Course on statistical data analysis using SPSS

Duration : 2-Weeks

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KRISHNA UNIVERSITY

**Krishna University Dr. MR Appa Row College of,
Post Graduation Studies - Nuzvid**

Brochure

for

Value add Added Course

Organised by

Department of Statistics

**Krishna University Dr. MR Appa Row College of Post Graduation
Studies - Nuzvid**

KRISHNAUNIVERSITY

**Dr.M.R.APPA ROW COLLEGE OF POST
GRADUATIONSTUDIESNUZVID-521201**

**Two-week Value –added Course on
Statistical data analysis using SPSS**

From 27-06-2022 to 11-07 -2022

Organized by

Department of Statistics

ChiefPatron

**Prof.K.B. ChandraSekhar
Vice- Chancellor
Krishna University**

Patron

**Prof.V.Venkata Ramu
Principal
KRU Dr. MRAR CPG Studies**

Patron

**Dr. M. Rami Reddy
Registrar
Krishna University**

Organiser

**Prof.T. Hymavathi
Head (i/c)
Department of Statistics**

CourseCoordinator

Dr. C.V.Sastry

**Assistant Professor (Contract)
Department of Statistics
KRU Dr. M.R. Appa Row College of PG Studies-Nuzvid**

About the KRU Dr.MR Appa Row College of PGs tudies:

The Post Graduate Centre at Nuzvid (Mango town) was started by Andhra University with the personal efforts of the then Vice-Chancellor of Andhra University Late Prof.M.R.Appa Row, with three Post Graduate Courses viz., M.Sc., Applied Mathematics, M.Sc. Physics and M.Sc. Chemistry in 1977. The Andhra University Post Graduate Courses were inaugurated by the then Hon'ble Chief Minister Sri J. Vengal Rao garu.

This Centre was merged with the Acharya Nagarjuna University in 1993 through an Ordinance issued by the Government of Andhra Pradesh.

In 2011 the Post Graduate Centre was merged with Krishna University, Machilipatnam on dt.22.01.2011 through G.O. issued by the Government of Andhra Pradesh. At present this Centre named as Krishna University-Dr.MR Appa Row College of PGstudies, Nuzvid with eight courses such as M.Sc Applied mathematics, M.Sc Analytical Chemistry, M.Sc Physics, M.Sc Biochemistry, M.Sc Organic Chemistry M.Sc Statistics, M.Com and M.B.A.

About the Department of Statistics:

The Postgraduate Courses namely, M.Sc. (Statistics) programme has been started on 2015-2016 at KRU DR. MR Appa Row College of PG Centre. Weekly Seminars for both previous and final year students along with the faculty members are included in the regular time for getting general feedback from the students has completed 7 years.

The department of statistics have faculty members with specialization in pure, applied statistics. The department faculty members working in various areas of Statistical Inference, Statistical Quality Control, Pattern Recognition, Data Mining, Directional Data Analysis, Operations Research, Queuing Theory, Regression Analysis, Design and Analysis of Experiments.

The department is offering six papers in four semesters for the students. These papers introduce basic statistical tools needed for postgraduate study in statistics.



KRISHNA UNIVERSITY::MACHILIPATNAM
KRU Dr. M. R. APPA ROW College of PG
Studies, Nuzvid
Department of STATISTICS

Dt.25.06.2022

CIRCULAR

A Two Weeks Value added Course on statistical data analysis using SPSS has been introduced by the Department of Statistics for the Academic Year 2021-22 for IVth Semester M.Sc. Statistics students. All the IVth Semester M.Sc. Statistics students are hereby informed that to enroll/register for the value added course conducted by the department. The course duration is for 2 weeks from 27-06-2022 to 11-07-2022. For further details contact the Dr. Ch V Sastry, Department of Statistics, KRU Dr. MR Appa Row College of PG Studies, Nuzvid.

Head & Course Coordinator

Copy to:
Office of the Principal
Department of Statistics

KRISHNA UNIVERSITY::MACHILIPATNAM
KRU Dr. M. R. APPA ROW College of PG Studies, Nuzvid
Department of STATISTICS

Title	:Two Weeks Value added Course on statistical data analysis using SPSS
Resource Person	: Dr. Chandramouli V Sastry
Head & Course Coordinator	: Prof. T Hymavathi
Year/Batch	: II year/ IV Semester
Duration	: 2 Weeks
Proposed Dates	: 24.06.2022 to 08.07.2022

Allocation of Total Hours For Each Unit:

S.No	UNIT NO & TITLE	Theory(Hrs)	Practical(Hrs)
1	Knowing Software	2	3
2	Descriptive Statistics	2	3
3	Different Tests applications	2	3

Objective:

1. To train students in SPSS Software
2. To expose the students to the analysis of statistical data

Syllabus

Unit-I

Data handling: open SPSS data file – save – import from other data source – data entry – labeling for dummy numbers - recode in to same variable – recode in to different variable – transpose of data, Data handling: Split – select cases – compute total scores – table looks – Changing column - font style and sizes

Unit-II

Descriptive Statistics - Mean, Median, Mode, SD- Skewness- Kurtosis. Correlation – Karl Pearson's and Spearman's Rank Correlation

Unit-III

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 - Chi- square test. Analysis of variance: One way

Books for Study:

1. Clifford E.Lunneborg (2000). Data analysis by resampling: concepts and applications. Dusbury Thomson learning. Australia.
2. Everitt, B.S and Dunn, G (2001). Applied multivariate data analysis. Arnold London.
3. Jeremy J. Foster (2001). Data analysis using SPSS for windows. New edition. Versions 8-10. Sage publications. London.
4. Michael S. Louis – Beck (1995). Data analysis an introduction, Series: quantitative applications in the social sciences. Sage. Publications. London.

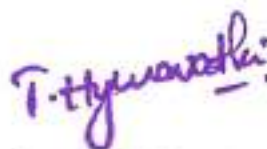
KRISHNA UNIVERSITY::MACHILIPATNAM
KRU Dr. M. R. APPA ROW College of PG Studies, Nuzvid
Department of STATISTICS

Title : Two Weeks Value added Course on statistical data analysis using SPSS
 Resource Person : Dr. Chandramouli V Sastry
 Head & Course Coordinator : Prof. T Hymavathi
 Year/Batch : II year/ IV Semester
 Duration : 2 Weeks
 Proposed Dates : 27.06.2022 to 11.07.2022

Periods	I	II	III		IV	V	VI
Time	10:00 AM-11:00AM	11:00AM-12:00PM	12:00PM-01:00PM		01:30PM-02:30PM	02:30PM-03:30PM	03:30PM-04:30PM
Monday				Lunch Break		Value added Course	
Tuesday			Value added Course				
Wednesday						Value added Course	
Thursday							
Friday							Value added Course
Saturday						Value added Course	



Signature of the Resources Person



Signature of the Course Coordinator

KRISHNA UNIVERSITY



Dr. MR APPA ROW COLLEGE OF PG STUDIES
NUZVID - 521201

Department of Statistics

Two weeks Value Added Course on "Statistical data analysis using SPSS" to
The Statistics students admitted in the academic year 2020-22
From 27-06-2022 to 08-07-2022

Student Enrolment Form

Name of the Coordinator : Dr.Chandramouli V.Sastry Date: 27/06/2022
Designation : Assistant Professor (Ad-hoc)

S.No	Name of the Student	Regd.No.	Signature of the Student
1	BALU BRAHMANI	Y20STA245001	B. Brahmam
2	DANDIPATI PUJITHA	Y20STA245003	D. Pujitha
3	DHUPAM SAI TEJASWI	Y20STA245004	D. Sai Tejaswi
4	GADE VENNELA	Y20STA245005	G. Venela
5	GOLLAPALLI SAI PRUDHVI	Y20STA245006	G. Sai Prudhvi
6	BHIMAVARAPU HARITHA	Y20STA245007	B. Haritha
7	KURELLA KANAKA RATNAM	Y20STA245008	K. Kanaka Ratnam
8	KURICHETI NAGA RADHIKA	Y20STA245009	K. Radhika
9	MARASAKATLA PAVITHRA	Y20STA245010	M. Pavithra
10	MULASA MALATHI	Y20STA245011	M. Malathi
11	MUTYALA LOHITHA SAI	Y20STA245012	M. Lohitha Sai
12	NALLAMEKALA VENKATA KRISHNA	Y20STA245013	N. Venkata Krishna
13	SHAIK HABIBUNNISA	Y20STA245014	SK. Habibunnisa
14	TUMMALA JAYA LAKSHMI	Y20STA245015	T. Jaya Lakshmi
15	VENIGANDLA GOPALASWAMY	Y20STA245016	V. GopalSwamy

Signature of the Resources Person

Signature of the Head/ Course Coordinator

KRISHNA UNIVERSITY.



Dr. MR APPA ROW COLLEGE OF PG STUDIES
NUZVID - 521201

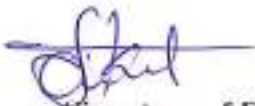
Department of Statistics

Two weeks Value Added Course on "Statistical data analysis using SPSS" to
The Statistics students admitted in the academic year 2020-22
From 27-06-2022 to 08-07-2022

Student Attendance

Name of the Coordinator : Dr.Chandramouli V.Sastry Date: 11/7/2022
Designation : Assistant Professor (Ad-hoc)

S.No.	Name of the Student	Regd.No.	Signature of the Student
1	BALU BRAHMANI	Y20STA245001	B. Brahmani
2	DANDIPATI PUJITHA	Y20STA245003	D. Pujitha
3	DHUPAM SAI TEJASWI	Y20STA245004	D. Sai Tejaswi
4	GADE VENNELA	Y20STA245005	G. Vennela
5	GOLLAPALLI SAI PRUDHVI	Y20STA245006	G. Sai Prudhvi
6	BHIMAVARAPU HARITHA	Y20STA245007	B. Haritha
7	KURELLA KANAKA RATNAM	Y20STA245008	R. Kanaka Ratnam
8	KURICHETI NAGA RADHIKA	Y20STA245009	K. Radhika
9	MARASAKATLA PAVITHRA	Y20STA245010	M. Pavithra
10	MULASA MALATHI	Y20STA245011	M. Malathi
11	MUTYALA LOHITHA SAI	Y20STA245012	M. Lohitha Sai
12	NALLAMEKALA VENKATA KRISHNA	Y20STA245013	N. Venkata Krishna
13	SHAIK HABIBUNNISA	Y20STA245014	Sk. Habibunnisa
14	TUMMALA JAYA LAKSHMI	Y20STA245015	T. Jayalakshmi
15	VENIGANDLA GOPALASWAMY	Y20STA245016	V. Gopalaswamy


Signature of Examiner

CONSOLIDATED STUDENTS ATTENDANCE PARTICULARS OF TWO WEEKS VALUE ADDED COURSE

Name of the Department: STATISTICS

Duration: Total: Two weeks

Resource Faculty: Dr.CH.V.SASTRY

Total No. of Students admitted in IV Semester: 15

Title of the course: Two Weeks Value added Course on statistical data analysis using SPSS

Head & Course Coordinator: Prof. T Hymavathi

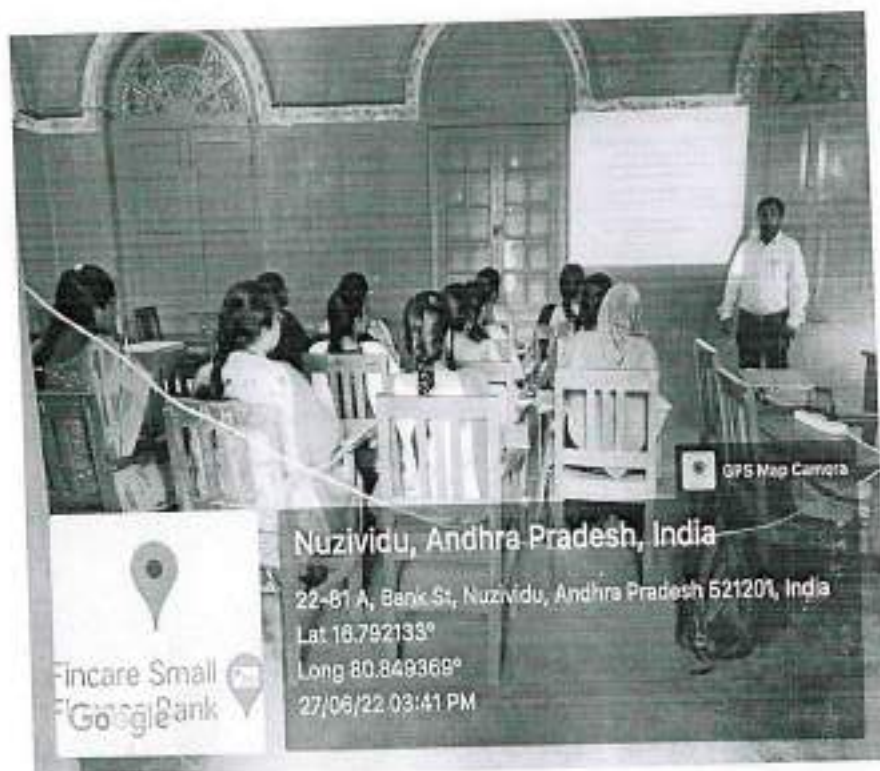
Year/Batch: 2020-2022[IVth Sem]

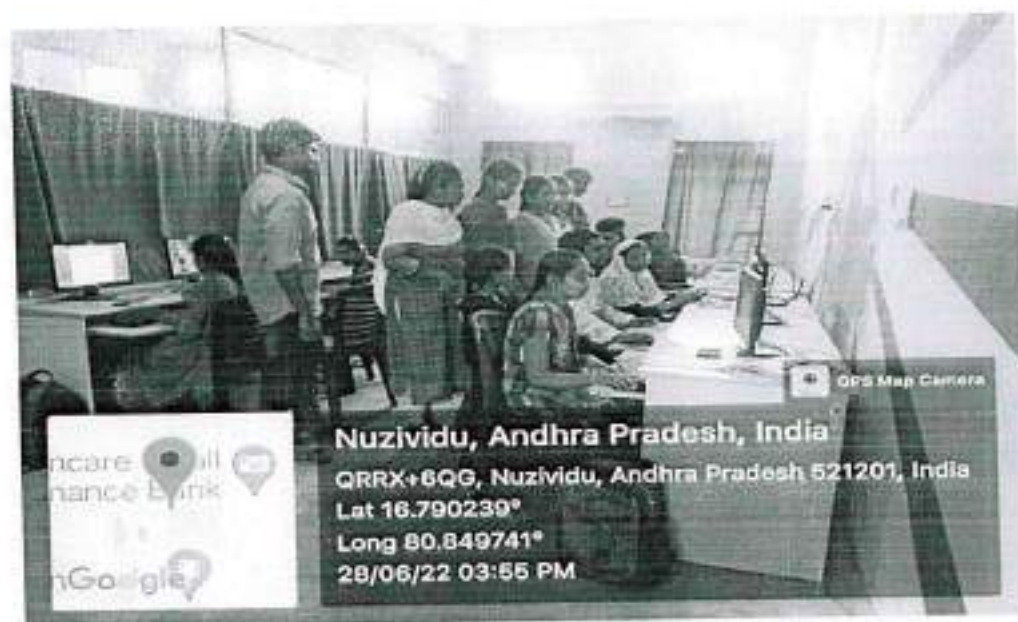
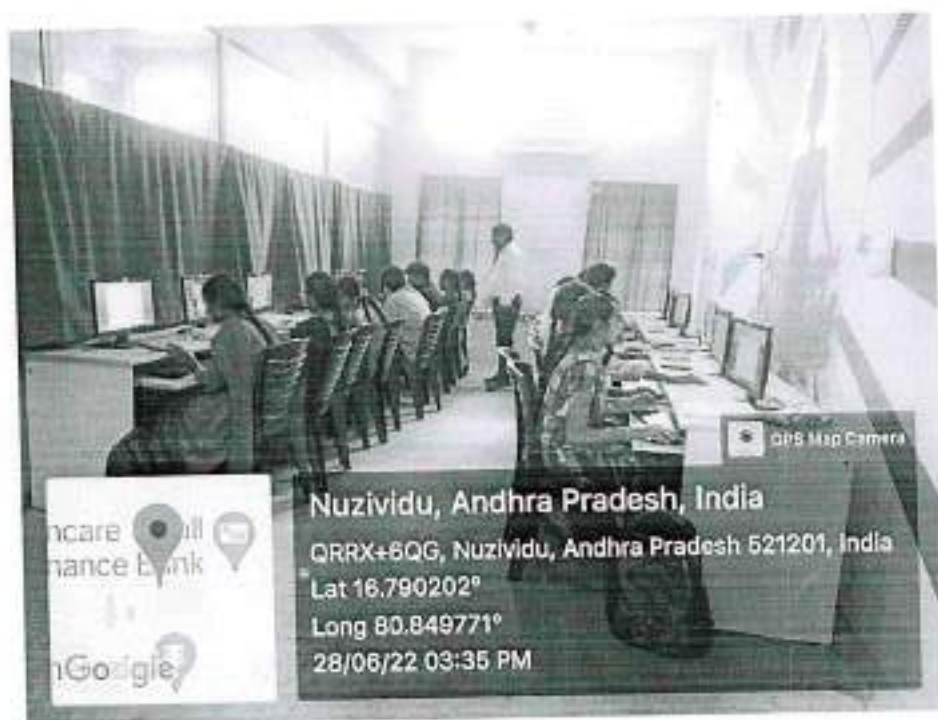
ATTENDANCE

ATTENDANCE																				
S. No.	Name of the Student	Regd. No.	Date	27/6/22	28/6/22	29/6/22	30/6/22	01/7/22	02/7/22	03/7/22	04/7/22	05/7/22	06/7/22	07/7/22	08/7/22	09/7/22	10/7/22	11/7/22		
			Time	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30	3:30 to 4:30		
1	Balu, Brahmani	Y20STA245001		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
2	Dandipati, Pujitha	Y20STA245003		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
3	Dhupam, Sai Tejaswi	Y20STA245004		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
4	Gade, Vennela	Y20STA245005		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
5	Gollapalli, Sai Prudhvi	Y20STA245006		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
6	Bhimavarapu, H aritha	Y20STA245007		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
7	Kurella, Kanaka Ratnam	Y20STA245008		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
8	Kuricheti, Naga Radhika	Y20STA245009		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
9	Marasakarla, Pu vifera	Y20STA245010		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
10	Mulasu, Malathi	Y20STA245011		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
11	Mutyala, Lohith a Sai	Y20STA245012		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
12	N. Venkata Krishna	Y20STA245013		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
13	Shaik, Habibunn isa	Y20STA245014		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
14	Tummala, Jaya Lakshmi	Y20STA245015		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		
15	Venigandla, Gop alaswamy	Y20STA245016		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present		

Signature of the Recourses Person

Signature of the Head/ Course Coordinator







KRISHNA UNIVERSITY-MACHILIPATNAM
KRU Dr.MR Appa Row College of PG Studies ,Nuzvid
Department of Statistics

Two Weeks Value added Course on statistical data analysis using SPSS
Resource Person: Dr. Chandramouli V Sastry
Head & Course Coordinator : Prof. Hymavathi T
Time: 30 Minutes

Marks: 20

-
1. What is the advantage of using SPSS over calculating statistics by hand?
 - a. This is how most quantitative data analysis is done in "real research" nowadays
 - b. It reduces the chance of making errors in your calculations
 - c. It equips you with a useful transferable skill
 - d. All Of The Above
 2. In SPSS, what is the "Data Viewer"?
 - a. A table summarizing the frequencies of data for one variable
 - b. A spreadsheet into which data can be entered
 - c. A dialog box that allows you to choose a statistical test
 - d. A screen in which variables can be defined and labeled
 3. When cross-tabulating two variables, it is conventional to:
 - a. Represent the independent variable in rows and the dependent variable in columns
 - b. Assign both the dependent and independent variables to columns
 - c. Represent the dependent variable in rows and the independent variable in columns
 - d. Assign both the dependent and independent variables to rows
 4. What does the operation "Recode Into Different Variables" do to the data?
 - a. Replaces missing data with some random scores
 - b. Reverses the position of the independent and dependent variable on a graph
 - c. Redistributes a range of values into a new set of categories and creates a new variable
 - d. Represents the data in the form of a pie chart
 5. How is a variable name different from a variable label?
 - a. It is shorter and less detailed
 - b. It is longer and more detailed
 - c. It is abstract and unspecific
 - d. It refers to codes rather than variables
 6. How would you print a bar chart that you have just produced in SPSS?
 - a. In Output Viewer, click File, Print, select the bar chart and click OK
 - b. In Variable Viewer, open bar chart, click File, Print, OK
 - c. In Chart Editor, click Descriptive Statistics, Print, OK
 - d. In Data Editor, open Graphs dialog box, click Save, OK
 7. In which sub-dialog box can the Chi Square test be found?
 - a. Frequencies: Percentages
 - b. Crosstabs: Statistics
 - c. Bivariate: Pearson
 - d. Gender: Female
 8. Why might you tell SPSS to represent the "slices" of a pie chart in different patterns?
 - a. Because the program tends to crash if you ask it to use colour
 - b. Because the patterns form symbolic visual images of different social groups

- c. In order to make full use of the facilities that SPSS can offer
 - d. If you do not have a colour printer, it makes the differences between the slices clearer
9. How would you use the drop-down menus in SPSS to generate a frequency table?
- a. Open the Output Viewer and click: Save As; Pie Chart
 - b. Click on: Analyze; Descriptive Statistics; Frequencies
 - c. Click on: Graphs; Frequencies; Pearson
 - d. Open the Variable Viewer and recode the value labels
10. To generate a Spearman's rho test, which set of instructions should you give SPSS?
- a. Analyze; Crosstabs; Descriptive Statistics; Spearman; OK
 - b. Graphs; Frequencies; [select variables]; Spearman; OK
 - c. Analyze; Compare Means; Anova table; First layer; Spearman; OK
 - d. Analyze; Correlate; Bivariate; [select variables]; Spearman; OK
11. 100 students enrolled in three courses completed a five item "course satisfaction" questionnaire. Disregarding the identification variable, how many columns wide will the data file be when looking at it in the Data View of the SPSS Data Editor?
- a. 6
 - b. 15
 - c. 100
 - d. 5
12. In the Data View in the SPSS Data Editor, each column represents what?
- a. A case.
 - b. A data point.
 - c. A missing value.
 - d. A variable.
13. Value labels are most likely to be necessary for which type(s) of variables.
- a. Nominal variables.
 - b. Ordinal variables.
 - c. Value labels are always necessary for all types of variables.
 - d. Scale variables.
14. Which of the following is true about the names of variables in SPSS?
- a. They cannot contain spaces.
 - b. They cannot begin with a numeral.
 - c. They cannot contain any special characters.
 - d. All of these choices are true.
15. When defining a specific missing variable value, what value can be used in most cases
- a. 100
 - b. 2
 - c. 0
 - d. -1
16. Which of the following functions allows you to perform calculations on your variables?
- a. Compute variable
 - b. Split file
 - c. Recode into different variables
 - d. Recode into same variables
17. Which variable type are you most likely to select?
- a. Date
 - b. Scientific notation
 - c. Numeric
 - d. Comma
18. What is the default value for the 'width' column?
- a. 8
 - b. 2
 - c. 10
 - d. 0
19. What is a "sav." file?
- a. A syntax file
 - b. A word-processed file
 - c. The output file
 - d. The data set file
20. When SPSS is first open at the bottom of the screen is a,
- a. status bar
 - b. menu bar
 - c. A & B
 - d. None of these

Hall Ticket :
 Name :
 Signature :

Marks Secured:

A BRIEF REPORT

- Department of statistics had organized Two Weeks Value added Course on statistical data analysis using SPSS to the students of IV semester (AY 2020-2021)
- The program is conducted after the regular class work is over
- The duration of the class is adjusted for one or two hours between the periods 27.06.2022 to 11.07.2022.
- 16 students Participated in the program:
- Students were guided and provided the necessary study material
- At the end of the programme a grand test was conducted and it was evaluated.
- Certificates were issued to the participants.
- Dr. Chandramouli V Sastry is the resource person



KRISHNA UNIVERSITY :: MACHILIPATNAM
Dr. MR APPA ROW College of Post Graduation Studies
Nuzvid

Department of Statistics

CERTIFICATE

This is to certify Mr./Mis./Mrs.*Dandi.pati...Puji..tha*.....
had completed the Two Weeks Value added Course on "Statistical data analysis
using SPSS" during 27.06.2022 to 11.07.2022 organized by the Department of
Statistics, Krishna University Dr.M.R.Appa Row College of PG Studies, Nuzvid,
Eluru District, Andhra Pradesh.

Head & Course Coordinator

PRINCIPAL
Krishna University
Dr. M.R. APPA ROW College of
Post Graduation Studies
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