

KRISHNA UNIVERSITY
MACHILIPATNAM-521004



TWO-WEEK VALUE ADDED COURSE
on
22STAVAC01

“Data Scaling Techniques and Report Writing”
(For First Year Statistics Students)

Name of the Course Coordinator

Dr.C.V.Sastry

Assistant Professor (Contract)
Department of Statistics

Krishna University Dr. MR AR College of PG Studies, Nuzvid
Krishna University, Machilipatnam

Name of the Course Resource Person

Dr.C.V.Sastry

Assistant Professor (Contract)
Department of Statistics

Krishna University Dr. MR AR College of PG Studies, Nuzvid
Krishna University, Machilipatnam

Organized by

Department of Statistics

Krishna University Dr. MR AR College of PG Studies,
Nuzvid

Krishna University, Machilipatnam-521004

From
Dr.C.V.Sastry
Department of Statistics
KRU Dr. MR AR College of PG Studies,
Nuzvid -521201

Nuzvid
28th January, 2023

To
The Principal
KRU Dr. MR AR College of PG Studies,
Nuzvid -521201

(Through Proper Channel)

Respected Madam,

Sub: Request for permission to conduct a Value Added Course to the M.Sc., Statistics students admitted in the academic year 2022-23-Reg

With reference to the above subject cited, I request you to grant permission to conduct two weeks Value Added Course (VAC) to the M.Sc., Statistics first year, 2022-23 admitted batch on "22STAVAC01:Data Scaling Techniques and Report Writing" by the Department of Statistics, Krishna University, Dr.MRAR College of PG Studies. The proposed course is scheduled from 03-02-2023 to 22-02-2023.

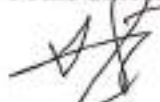
I, **Dr.C.V.Sastry** am the Coordinator for this Value Added Course. The details of the Value Added Course are enclosed with this letter.

A brief report including the Student enrolment, attendance, along with the proof of participants will be submitted to your office immediately after the completion of the Value Added Course.

In this connection, I request you to permit me to start the above cited Value Added Course.

Thanking You,

Yours Sincerely



(Dr.C.V.Sastry)

Enclosure: Details of Value Added Course



Krishna University, Machilipatnam-521004

Dr. MR AR College of PG Studies, Nuzvid

Department of Statistics

**Proposed Value Added Course (VAC) to M.Sc., Statistics-I year
students admitted in the Academic Year 2022-23 batch**

Duration: 2 weeks

Date of commencement: 03-02-2023 to 22-02-2023.

Name of the Course Co-Ordinator: **Dr.C.V.Sastry**

Name of the Course: **"Data Scaling Techniques and Report Writing"**

Code: 22STAVAC01

Course description and purpose:

This course provides consider Data as primary and Secondary to be a subject most worthy of study, and in which we try to decide what exactly it is, this being a good thing to decide before embarking. In this course provides a practitioner's approach to some of the Scaling techniques and types of Report Writings used in various Data Analysis Procedures.

Objectives of the Course:

- Fundamentals of Data and measurements of Scales
- Understand the Different Methods of Data Presentations
- Understand the Different Steps and Types in Report Writing

Modules of the Course:

UNIT – I

Qualitative and Quantitative Data, Measurement of Scales: Nominal, Ordinal, Interval and Ratio Scales. Scale classification bases, important scaling techniques, Scale construction techniques, developing linker – type scales, Factor scales and cumulative scales their advantages and limitations.

UNIT – II

Questionnaire and Data Schedule. Interpretation: Meaning and technique of interpretation, precautions in interpretation.

UNIT – III

Significance of report writing, different steps in report writing, types of reports, layout of the research report, mechanics of writing a research report and oral presentation.

Outcomes of the course:

1. Acquire knowledge in the use and application of the methods of data collection and analysis.
2. Analyze various scaling techniques and evaluate questionnaire
3. Design and carryout a project with statistical analysis and present the report.

KRISHNA UNIVERSITY

Prof.V.Venkataramu
Principal
KRU Dr. MR AR College of PG Studies
Nuzvid -521201



Email: krupgcnzd@gmail.com

KrU/CGPS/Stat-1/ Statistics/VAC/2022-23

Dt. 28.01.2023

CIRCULAR

A two week value added course entitled with code Data Scaling Techniques and Report Writing (22STAVAC01)-has been introduced by the Department of Statistics for the Academic Year 2022-23 for M.Sc. Statistics (First Year) students. All the M.Sc. Statistics (First Year) students are here by informed that to enrol or register for the value added course conducted by the department. The course from 03-02-2023 to 22-02-2023 and gets information of course details from the Department of Statistics.

Principal

Copy to:
Department of Statistics
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KRISHNA UNIVERSITY

**Dr.MRAR COLLEGE OF PG STUDIES
NUZVID-521201**

TWO WEEK VALUE ADDED COURSE ON 22STAVAC01:Data Scaling Techniques and Report Writing

From 03-02-2023 to 22-02-2023

**Organized by
Department of Statistics**

**Patron
Prof.V.VENKATARAMU
Principal
KRU Dr. MR AR College of PG Studies**

**Course Coordinator and Resource Person
Dr. Chadramouli V Sastry
Assistant Professor (Contract), Department of Statistics
KRU Dr. MR AR College of PG Studies,
Nuzvid -521201**

KRISHNA UNIVERSITY, MACHILIPATNAM-521004



Dr. MR AR College of PG Studies, Nuzvid

DEPARTMENT OF STATISTICS

Two weeks Value Added Course on “**22STAVAC01: Data Scaling Techniques and Report Writing**” to the M.Sc., Statistics students admitted in the academic year 2022-23
From 03-02-2023 to 22-02-2023

Student Enrolment

Name of the Coordinator : **Dr. Chandramouli V Sastry**
Designation: Assistant Professor (Contract)

Date:

S.No.	Name of the Student	Regd.No.	Signature of the Student
1	Attuluri Yamuna	Y22STA245001	A. Yamuna
2	Gada Prathyusha	Y22STA245002	G. Prathyusha
3	Isukapati Olive Kumar	Y22STA245003	I. Olive Kumar
4	Kotra Bhargav	Y22STA245004	K. Bhargav
5	Mosuganti Surekha	Y22STA245005	M. Surekha
6	Sambangi Lokeswari	Y22STA245006	S. Lokeswari
7	Venigandla Gopi Krishna	Y22STA245007	V. Gopi Krishna

Signature of the Course Coordinator

Signature of the Coordinator

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

Title (Code) : Data Scaling Techniques and Report Writing (22STAVAC01)
 Resource Person : Dr. Chandramouli V Sastry
 Proposed Dates : 03-02-2023 to 22-02-2023

Periods	I	II	III		IV	V	VI	VII
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	04:30PM- 05:30PM
Monday				Lunch Break				Value added Course
Tuesday								Value added Course
Wednesday								Value added Course
Thursday								Value added Course
Friday								Value added Course
Saturday								Value added Course



Signature of the Resources Person



Signature of the Coordinator



Dr.MRAR COLLEGE OF PG STUDIES
Department of Statistics

Two weeks Value Added Programme on 22STAVAC01: Data Scaling Techniques and Report Writing to the M.Sc., Statistics students admitted in the academic year 2022-23 from 03-02-2023 to 22-02-2023 (Two hour per day).

Attendance Sheet

S. No	Name of the Student	Regd.No.	Date														
			03/02	04/02	05/02	06/02	07/02	08/02	09/02	10/02	13/02	14/02	15/02	17/02	20/02	21/02	22/02
1	Attuluri Yamuna	Y22STA245001	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
2	Gada Prathyusha	Y22STA245002	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Isukapati Olive Kumar	Y22STA245003	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Kotra Bhargav	Y22STA245004	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
5	Mosuganti Surekha	Y22STA245005	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Sambangi Lokeswari	Y22STA245006	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Venigandla Gopi Krishna	Y22STA245007	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of the
Programme Coordinator

Signature of the
Resource Person

Signature of Coordinator



KRISHNA UNIVERSITY
Dr.MRAR COLLEGE OF PG STUDIES
Nuzvid-521201

Department of Statistics
Organized

A two week value added programme on “22STAVAC01:Data Scaling Techniques and Report Writing”

Certificate

This is to certify that Mr./Mrs. K. Bhargava with Regd. No. V22STA245004 of M.Sc., Statistics, Department of Statistics, KRU Dr.MRAR College of PG Studies, Nuzvid has successfully completed the Two Weeks Value Added Course on “22STAVAC01:Data Scaling Techniques and Report Writing” organized by Department of Statistics, KRU Dr.MRAR College of PG Studies, Nuzvid from 03-02-2023 to 22-02-2023 (Two hour per day).

Dr. C.V.Sastry

programme Coordinator

Dr. C.V.Sastry

Co-Ordinator of the Department

Principal



KRISHNA UNIVERSITY
Dr.MRAR COLLEGE OF PG STUDIES
Nuzvid-521201

Department of Statistics
Organized

A two week value added programme on "22STAVAC01:Data Scaling Techniques and Report Writing"

Certificate

This is to certify that Mr./Mrs. V. Gopi Krishna with Regd. No. Y22STA245007 of M.Sc., Statistics, Department of Statistics, KRU Dr.MRAR College of PG Studies, Nuzvid has successfully completed the Two Weeks Value Added Course on "22STAVAC01:Data Scaling Techniques and Report Writing" organized by Department of Statistics, KRU Dr.MRAR College of PG Studies, Nuzvid from 03-02-2023 to 22-02-2023 (Two hour per day).

Dr. C.V.Sastry
programme Coordinator

Dr. C.V.Sastry
Co-Ordinator of the Department

Principal



KRISHNA UNIVERSITY
KRU Dr.MRAR College of PG Studies,
Nuzvid-521201
Department of Statistics

Submission of a brief report on two weeks value added course on “22STAVAC01: Data Scaling Techniques and Report Writing” to the M.Sc. Statistics students admitted in the academic year 2021-22 from 03-02-2023 to 22-02-2023

Date: 23-02-2023

Name of the course coordinator: **Dr. C.V.Sastry**

Assistant Professor, Department of Statistics, Contact Number: 9494154394

Email: krustat15@gmail.com

Name of the Resource person: **Dr. C.V.Sastry**

Assistant Professor, Department of Statistics, Contact Number: 9494154394

Email: krustat15@gmail.com

Brief Report,

Data Scaling is an essential pre-processing step in the data science pipeline. Let us explore various scaling methods, understand their mathematical underpinnings, and see how they visually impact data distribution.

Data scaling is a fundamental stage in data pre processing, especially when using algorithms sensitive to the dataset's feature scale. The choice of method — Min Max, Standard, Robust, Max Abs — depends on your specific dataset and the nature of the problem at hand. By visualizing the scaled data, we can intuitively understand how these techniques change data distributions.

A report is a written account of something that one has observed, heard, done, or investigated. It is a systematic and well organised presentation of facts and findings of an event that has already taken place somewhere. Reports are used as a form of written assessment to find out what you have learned from your reading, research or experience and to give you experience of an important skill that is widely used in the work place.

Generally, two types of reports are asked in the exam, namely, newspaper report or a magazine report. Newspaper report is the one which is published in a newspaper and magazine report is generally written for a school magazine.

Resource person

Dr. C.V.Sastry

Department of Statistics

KRU Dr. MR AR College of PG Studies,

Nuzvid -521201

Ph:92905 08828

24th February, 2023

From

Dr. C.V.Sastry

Department of Statistics

KRU Dr.MRAR College of PG Studies,

Nuzvid-521201

To

The Principal

KRU Dr.MRAR College of PG Studies,

Nuzvid-521201

(Through Proper Channel)

Respected Sir,

Sub: KRU-Dept. of Statistics-Submission of a Brief Report on 22STAVAC01: Data Scaling Techniques and Report Writing a Value-Added Course to the M.Sc., Statistics students admitted in the academic year 2022-23 -Reg.

Ref: Letter No. Nil, Dated 30th January, 2023.

With reference to the above subject and references, I am here to submit the brief report on the two-week Value-Added Course to the M.Sc., Statistics admitted in the academic year 2022-23 on "22STAVAC01:Data Scaling Techniques and Report Writing". This course work was conducted from 03-02-2023 to 22-02-2023. I am here to submit a brief report, including student enrolment and attendance, to your office.

Thanking You,

Yours Sincerely



(Dr. C.V.Sastry)

Enclosure: Report of Value-Added Course