

T.T.W.R.D.C (W) KHAMMAM



DEPARTMENT OF STATISTICS

CERTIFICATE COURSE

On

BASIC STATISTICS

2022-24

T.T.W.R.D.C (W) KHAMMAM

Dept. of STATISTICS

NOTICE

Date: 01-08-2023.

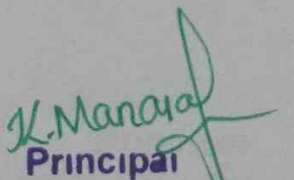
All the students are informed that department of Statistics conducting 30 days short term on Basic Statistics certification programme for all first and second year students from

10-11-2023 to 10-12-2023.

The interested students contact kmr.T.Sarika, GDL-Statistics for further Information.

Note: Timings 3.30 PM to 4.30PM (Monday-Saturday)

T.Sarika,
Head of the Department
Department of Statistics
TTWRDC (W), Khammam-507305


Principal
TTWR Degree College (G)
KHAMMAM 507 002

Permission Letter

Date : 28.07.2023.

To
The Principal
TTWRDC (W) Khammam.

Respected Madam,

Sub: Application for permission to conduct short term Certification
programme on

Basic Statistics -Request- Reg.

With reference to the subject cited above, we the department of Statistics are willing to conduct a Certification Course on Basic Statistics to all first and second year students from 10-11-2023 to 10-12-2023.

So please grant the permission.

Thank you.

Yours sincerely,


Principal
TTWR Degree College (G)
KHAMMAM 507 002


Head of the Department
Department of Statistics
TTWRDC (W), Khammam-507304

Certificate course in TTWRDC (W) - KHAMMAM

Department of Statistics

Certificate Course in Basic Statistics 2022-2023

It is informed to all the students and faculty that the Department of Statistics is offering a certificate course in the academic year 2022-23.

The Title of Course: “Basic Statistics”.

Course Duration: 30 Hours (10-11-2023 to 10-12-2023).

Application Date: 03-11-2023

Commencement of Classes: 10-11-2023

Venue: TTWRDC WOMEN KHAMMAM

Intake Criteria: First 40 applications will be consider

Certificate issue criteria: Test/Quiz will be conducted at the end of the course and certificates will be issued on grading course.

T.T.W.R.D.C (W) KHAMMAM


DEPARTMENT OF STATISTICS


CERTIFICATE COURSE ON BASIC STATISTICS- 2022-23

List of Students

S.No	Name of the student	Class	Signature
1	A.INDHU	II-MSDS	A. Indhu
2	B.SANDHYA	II-MSDS	B. Sandya
3	B.VENNELA	II-MSDS	B. vennela
4	CH.PAVANI	II-MSDS	Ch. Pavani
5	P.USHASRI	II-MSDS	P. Usha sri
6	T.SUDHA RANI	II-MSDS	T. Sudha Rani
7	B.PUJITHA	II-MSDS	B. pujitha
8	S.AMEESHA	II-MSDS	S. Ammesha
9	T.RENUKA	II-MSDS	T. Renuka
10	T.RAJINI	II-MSDS	T. Rajini
11	T.TRIVENI	I-MSDS	T. Triveni
12	K.AKSHITHA	I-MSDS	K. Akshitha
13	T.NAGA KAVYASRI	I-MSDS	T. Naga kavya sri
14	B.PAVANI	I-MSDS	B. Pavani
15	CH.SAMATHA	I-MSDS	Ch. samatha
16	V.REVATHI	I-MSDS	V. Revathi
17	B.MOUNIKA	I-MSDS	B. mounika
18	G.SRAVANTHI	I-MSDS	G. Sravanthi

Course coordinator


HOD - Statistics,
Head of the Department
Department of Statistics
TTWRDC (W), Khammam-50730.


Principal
TTWR Degree College (G)
KHAMMAM 507 002

T.T.W.R.D.C (W) KHAMMAM

DEPARTMENT OF STATISTICS.

CERTIFICATE COURSE ON BASIC STATISTICS– 2022-23

Basic Statistics Syllabus

BASIC STATISTICS CERTIFICATE COURSE

The Statistics course is a beginner-level programme. Candidates who join the programme will be gaining plenty of information regarding data, variables, research methods, distribution analysis, and other related aspects. The course is available for all the interested students at absolutely zero cost.

The Statistics Course is conducted in association with the San José State University. Students who take up the course can access the course 24x7 without any limitations as the course is a self-paced programme. The course comprises a total of six lessons that can be completed in the time span of four months. Students get to learn from the Statistics syllabus through interactive video sessions and quizzes throughout the programme.

The Highlights

- Offline course
- Self-paced learning
- Approximately 30 days course
- Free of cost course
- Beginner level course

Programme Offerings

- Rich content
- quizzes
- videos
- Participatory Exercises

Statistics Skills

Participants will be able to understand the following points after completing the entire Statistics programme-

- Candidates will learn about the different applications of statistics in daily life.
- Participants will learn how to acquire data through different methods.
- Candidates will learn about different forms of data such as categorical as well as quantitative data.
- Candidates will gain valuable insights on correlation and regression in the Statistics training.
- Participants will learn about the changes and relationships between different variables.
- Candidates will learn about statistical inference through hypothesis testing and estimation.
- Participants will learn about different types of sampling in the Statistics.

Who it is for

The Statistics Course would be suitable for the following individuals-

- Students who want to get an entry-level job in the market.
- Students who are interested in the programme.

Introduction to Statistics and methods

- Intro to statistical research methods.

- Frequency distributions and visualizing data

Describing data

- Variability
- Central tendency

Normal distribution analysis

- Sampling distribution
- Standardized scores (z-scores)
- Probability and the normal distribution

Foundations of inferential statistics

- Hypothesis testing
- Estimation

Comparing means

- One way ANOVA
- t-tests

Correlation, regression, and non-parametric

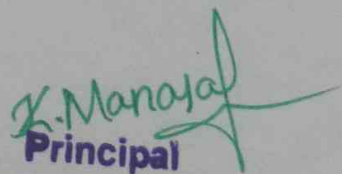
- Regression
- Correlation
- Chi-squared tests

Certificate will be given only after successful completion of the course.

Course -coordinator



HOD- Statistics
Head of the Department
Department of Statistics
TTWRDC (W), Khammam-507304



Principal

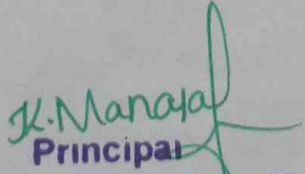
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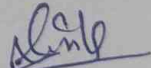
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DEPARTMENT OF STATISTICS CERTIFICATE COURSE BASIC STATISTICS – 2022-23 TEACHING PLAN

S.NO	Name of the Topic	Duration
1	Introduction to Basic Statistics	4
2	The Highlights	3
3	Programme Offerings	4
4	Statistics Skills	3
5	Who it is for	4
6	Introduction to Statistics and methods	2
7	Describing data	3
8	Normal distribution analysis	3
9	Foundations of inferential statistics, Comparing means Correlation, regression, and non-parametric	4
	TOTAL	30 Hrs.

Course- coordinator


Principal
TTWR Degree College (G)
KHAMMAM 507 002


Head of Department
Department of Statistics
TTWRDC (W), Khammam-507304

T.T.W.R.D.C (W) KHAMMAM

DEPARTMENT OF STATISTICS.

CERTIFICATE COURSE ON BASIC STATISTICS- 2022-23

WORK DONE STATEMENT

S.No.	Name of the Topic	Date	No. of Students Present	Syllabus Covered or not	Remarks
1	Introduction to Basic Statistics	10.11.2023	15	Yes	
2	The Highlights	14.11.2023	12	Yes	
3	Programme Offerings	18.11.2023	14	Yes	
4	Statistics Skills	22.11.2023	16	Yes	
5	Who it is for	27.11.2023	17	Yes	
6	Introduction to Statistics and methods	01.12.2023	18	Yes	
7	Describing data	04.12.2023	16	Yes	
8	Normal distribution analysis	07.12.2023	16	Yes	
9	Foundations of inferential statistics, Comparing means Correlation, regression, and non-parametric	10.12. 2023	13	Yes	

Course coordinator

HOD – Statistics.
Head of the Department
Department of Statistics
TTWRDC (W), Khammam-507305

K. Manoj
Principal

TTWR Degree College (G)
KHAMMAM 507 002

Certificate Course – Attendance Form

Basic Statistics

Sl. no	HT.No	Name of the student	10/11/23	11/11/23	12/11/23	13/11/23	14/11/23	15/11/23	16/11/23	17/11/23	18/11/23	19/11/23	20/11/23	21/11/23	22/11/23	23/11/23	24/11/23	25/11/23	26/11/23	27/11/23	28/11/23	29/11/23	30/11/23	01/12/23	02/12/23	04/12/23	05/12/23	06/12/23	09/12/23	10/12/23
01	645234301	A.Indhu	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02	645234302	B.Sandhya	X	Q	Q	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Q	Q	X	X	X	X	X	X	X	
03	645234303	B.Vennela	X	X	X	Q	Q	Q	Q	Q	Q	Q	X	X	X	X	X	X	X	X	X	X	Q	Q	Q	X	X	X	X	
04	645234304	CH.Pavani	Q	Q	Q	Q	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
05	645234305	P.Ushasri	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Q	Q	Q	X	X	X	
06	645234306	T.Sudharani	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
07	645234307	B.Pujitha	X	Q	Q	X	Q	Q	Q	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
08	645234308	S.Ameesha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
09	645234309	T.Renuka	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	X	X	X	X	X	Q	X	X	X	X	X	Q	Q	Q	
10	645234310	T.Rajini	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11	645244301	T.Triveni	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Q	Q	Q	X	X	X	
12	645244302	K.Akshitha	X	X	X	X	Q	Q	Q	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13	645224303	T.Naga kavy	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14	645224304	B.Pavani	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15	645224305	CH.Samatha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16	645224306	V.Revathi	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17	645224307	B.Mounika	Q	Q	Q	Q	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18	645224308	G.Sravanthi	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Q	Q	Q	X	X	X	

[Signature]

Head of the Department
Department of Statistics
TTWRDC (W), Khammam-507304

[Signature]

Principal
T.W.R. Degree College (G)
KHAMMAM 507 304

Name of the student

Signature.

- A. Indhu
- B. Sandhya
- B. vennela
- Ch. pavani
- P. ushasri
- T. sudharani
- B. Pujitha
- S. Ameesha
- T. Renuka
- T. Rajitha
- T. Thriveni
- K. Akshitha
- T. Naga kanya
- B. Pavan?
- Ch. Samatha
- V. Revathi
- B. Mounika
- G. Sravanthi

A. Indhu,

B. Sandhya

B. vennela

Ch. pavani

P. Ushasri

T. Sudharani

B. Pujitha

S. Ameesha

T. ~~Thriveni~~ Renuka

T. Rajitha

T. Thriveni

K. Akshitha

T. Naga kanya

B. Pavan.....

Ch. Samatha

V. Revathi

B. Mounika

G. Sravanthi.....

Certificate course in TTWRDC (W) - KHAMMAM

Department of Statistics

Certificate Course in Basic Statistics 2021-2022

Test

1. The specific statistical methods that can be used to summarize or to describe a collection of data is called:
a) Descriptive statistics b) Inferential statistics c) Analytical statistics d) All of the above
2. The need for inferential statistical methods derives from the need for _____.
a) Population b) Association c) Sampling d) Probability
3. A population, in statistical terms, is the totality of things under consideration. It is the collection of all values of the _____ that is under study.
a) Instance b) Variable c) Amount d) Measure
4. Non-sampling errors are introduced due to technically faulty observations or during the _____ of data.
a) Processing b) Analysis c) Sequencing d) Collection
5. Sampling is simply a process of learning about the _____ on the basis of a sample drawn from it.
a) Census b) Population c) Group d) Area
6. Numerical facts are usually subjected to statistical analysis with a view to helping a decisionmaker make wise decisions in the face of _____.
a) Interpreting b) Uncertainty c) Summarizing d) Organizing
7. In statistics, _____ classification includes data according to the time period in which the items under consideration occurred.
a) Chronological b) Alphabetical c) Geographical d) Topological
8. Data is simply the numerical results of any scientific _____.
a) Analysis b) Researches c) Observation d) Measurement
9. The _____ process would be required to ensure that the data is complete and as required.
a) Tabulation b) Analysis c) Editing d) Ordering

(B) Goodness scale

(C) Ratio scale

(D) Satisfactory scale

Q.10 Review of performance appraisal, labour turnover rates, planning of incentives, and training programs are the examples of which of the following?

(A) Statistics in production

(B) Statistics in marketing

(C) Statistics in finance

(D) Statistics in personnel management

Key: 1: C 2 : D 3: D 4:B 5:A 6:C 7:C 8:B 9:C 10:D

Feedback report on introduction to
APPLIED ~~basic~~ statistics

TTWRDCW - Khammam

2022-23

Good afternoon madam,

I am happy to give this feedback that I was attended the certificate course introduction to basic statistics. I learned many concepts from this course also gained knowledge. also I solved many MCQs on basic statistics.

Feedback Report on Introduction to ^{APPLIED} ~~basic~~ ~~basic~~ statistics

T.T.W.R.D.C.W - Khammam

The course Introduction to basic statistics is good and excellent coaching I am very happy to join the certificate course. this course gave me clear idea about statistics



Head of the Department
Department of Statistics
TTWRDC (W), Khammam-50730

Feedback Report on Introduction to Statistics

T. T. W. R. D. C. W. Khammam


2022-23

The course introduction to statistics is good and excellent coaching & am very happy to join the certificate course this course gave me class side about statistics.

B. Sunitha

MSOS - III

I had great experience in learning, I learned in an interesting way and that made me easy to learn, and I learned so many things from you madam, thank you madam,



Head of the Department
Department of Statistics
TTWRDC (M), Khammam-507305

B. Sravani

B.S.D.S III