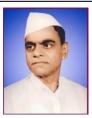


JanataShikshanSanstha's

KISAN VEER MAHAVIDYALAYA, WAI

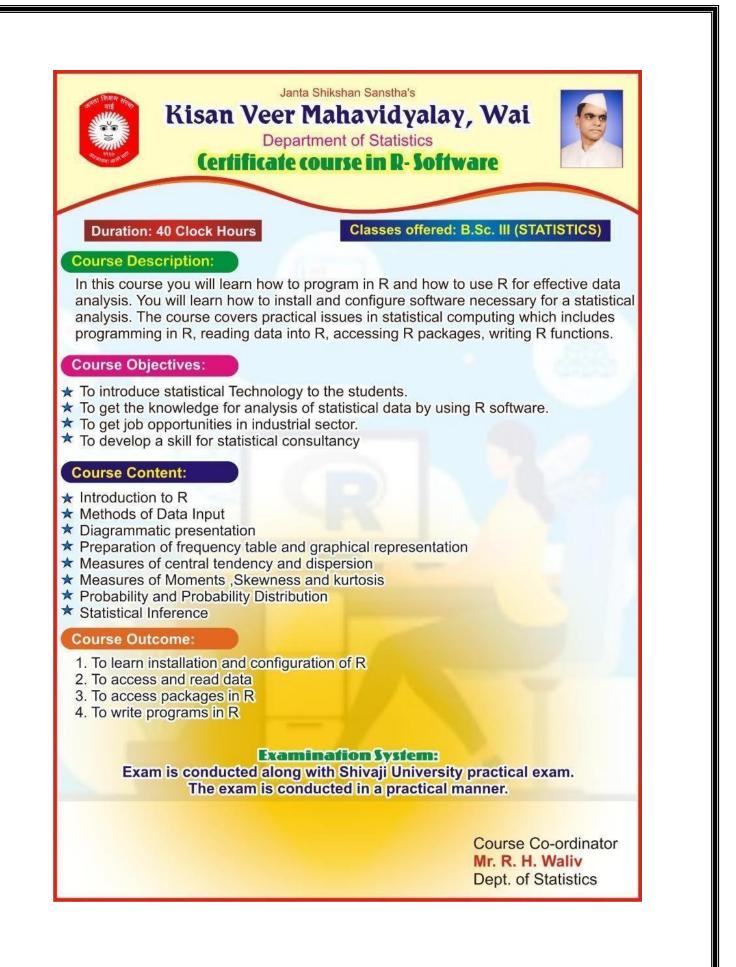


Certificate Course Report

Supportive Documents for Certificate Course Annual Report

Certificate Course Annual Report includes-

- 1. Short Report of the Particular Academic Year
- 2. Notice regarding the Introduction date of the course
- 3. Syllabus of the Course
- 4. Course Objectives and Outcomes
- 5. List of enrolled students.
- 6. Result
- 7. One Sample Certificate





Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

Department of Statistics



"Certificate course in R- Software"

Course Report 2021-22

Janata Shikshan Sanstha's KISAN VEER MAHAVIDYALAYA,WAI



Department of Statistics

"Certificate course in R- Software"

Course Report 2021-22

From 2017-18 the Department of Statistics conducted a certificate course. The title of the course for B.Sc. III is a "Certificate course in R- Software". The course was started on 20-11-2021. The timetable was displayed on the department's notice board.

26 students were admitted for the said course. Examination of the said course was conducted along with practical exam of B.Sc. III. Students gained knowledge about using R-software for statistical computation. The supportive staff and the administration of the College and especially the Principal supported a lot in conducting the course.

Kisan Veer Mahavidyalay, Wai



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Course Coordinator Department of Statistics

2. Notice of the Course

Department of Statistics Kisan Veer Mahavidyalaya, Wai Date : 18/11/2021

All the students in B.Sc. III are hereby informed that "Certificate course in R-Software" is going to start from 20/11/2021 This course is compulsory for B.Sc. III (Statistics) Students.

Course Co-ordinator Department of Statistics

Skale up

Principal Kisan Veer Mahavidyalay.Wai

3. Syllabus of the Course

Janata Shikshan Sanstha's Kisan Veer Mahavidyalaya, Wai **Department of Statistics** Certificate Course in R-Software

Syllabus

1. Introduction to R

I. Introduction

- II. R as a Statistical Software and language
- III. Data types and arithmetic operators
- IV. R preliminaries

2. Methods of Data Input

- I. C-function
- II. Seq-function
- **III.** Scan function **IV.** Rep-function
- V. Data-frame function
- VI. Matrix function

3. Diagrammatic presentation

Standard plot functions, arguments to plot function, low level plotting functions Bar diagram, Sub-divided bar diagram, multiple bar diagram, subdivided bar diagram, pie- diagram, stem and leaf plot.

4. Preparation of frequency table and graphical representation

Construction of frequency distribution table (for discrete and grouped data).Graphical representation- Rod and Spike graph, Histogram, Frequency polygon, Ogive curves.

5. Measures of central tendency and dispersion-

Arithmetic Mean, Geometric mean, Harmonic mean, Median, Quartiles Deciles, Percentiles, Mode.Interquartile range, Mean deviation about mean, Variance, Standard Deviation, Coefficient of variation.

6. Measures of Moments ,Skewness and kurtosis-

Raw and central moments, Measures of Skewness, Measures of Kurtosis.

7. Probability and Probability Distribution

Application of Binomial Distribution, Fitting of Binomial distribution Application of hypergeometric distribution, fitting of hypergeometric distribution, Poisson Distribution.

Normal Distribution, Exponential Distribution.

8. Statistical Inference

- I. Sampling distribution of sample mean
- II. Estimation of parameters
- III. Plots to check normality
- IV. Hypothesis testing, chi-square test, t-test, f-test
- V. Goodness of fit tests.

4. Objectives of the Course

Objectives of the course

- 1) To introduce statistical Technology to the students.
- To get the knowledge for analysis of statistical data by using R software.
- 3) To get job opportunities in industrial sector.
- 4) To develop a skill for statistical consultancy.

5. List of enrolled students

Janta Shikshan Sanstha's

Kisan Veer Mahavidyalaya, Wai

Department Of Statistics

List of Students(R software Course 2021-22)

sr. No.	Roll. No.	Name of student	
1	121	RAJPURE DIPAK SHIVAJI	
2	122	CHAVAN SANGRAM SANJAY	
3	123	KONDHALKAR TEJAS SAMPAT	
4	124	BHOSALE ANKITA SUNIL	
5	125	CHIKANE ASHLESHA SHANTARAM	
6	126	NIKAM PRIYANKA ANNASO	
7	127	HOGADE RUPALI SANJAY	
8	128	SAWANT HARSHAD VIVEK	
9	129	OVAL RUCHIK DASHRATH	
10	130	OTARI OMKAR VIJAYRAO	
11	131	KOLI RUTUJA SUNIL	
12	132	MULLA SADIYA BASHIRAHAMAD	
13	133	RUSHIKESH ABHAY KSHIRSAGAR	
14	134	JAIGUDE TEJASHREE SURESH	
15	135	PISAL DIVYA SHAHAJI	
16	136	BHOSALE PRATIKSHA RAJENDRA	
17	137	WADKAR KARISHMA AJIT	
18	138	GHADAGE SNEHAL ASHOK	
19	139	PAWAR PRATIKSHA GAJANAN	
20	140	BHOJANE NUTAN VITTHAL	
21	141	SONAWANE MANASI MAHENDRA	
22	142	BHOSALE SIDDHIKA VIJAY	
23	229	SHELAR GOURI JAGANNATH	
24	230	SHINDE AKANKSHA CHANDRAKANT	
25	235	TARADE SANI PRAKASH	
26	243	RASTE SUDHRMA UMESH	



Head

Department of Statistics Kisan Veer Mahavidyalaya, Wai Dist. Satara - 412803

6. Time Table

JANATA SHIKSHAN SANSTHA'S

KISAN VEER MAHAVIDYALAYA, WAI

B.Sc. III (STAT)

Year: 2021-22

R SOFTWARE COURSE (Time Table)

Sr. No.	Time	MONDAY	-	WEDNESDAY		FRIDAY	SATURDAY
1	11.00 to 3.00				Batch-I	Batch-I	

Head

Department of Statistics

7. Attendance Sheets:

			,	Janata Shiksl	nan Sanstha's	5			
			Kisan	Veer Mah	avidyalaya	n, Wai			
			Certi	ficate Cour	ce in R Soft	tware			
r. No.	Roll No.	25-11-207	26-11-2021	2-12-2021	3-12-2021	9-12-2021	10-12-2021	11-12-2021	17-12-202
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Janata Shikshan Sanstha's Kisan Veer Mahavidyalaya, Wai

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Janata Shikshan Sanstha's

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Janata Shikshan Sanstha's Kisan Veer Mahavidyalaya, Wai

8. Result

Janta Shikshan Sanstha's

Kisan Veer Mahavidyalaya, Wai

Department Of Statistics

Marksheet of Students(R software Course 2021-22)

Roll. No.	Name of student	Marks	
121	RAJPURE DIPAK SHIVAJI	8	
122	CHAVAN SANGRAM SANJAY	8	
123	KONDHALKAR TEJAS SAMPAT	9	
124	BHOSALE ANKITA SUNIL	10	
125	CHIKANE ASHLESHA SHANTARAM	10	
126	NIKAM PRIYANKA ANNASO	9	
127	HOGADE RUPALI SANJAY	8	
128	SAWANT HARSHAD VIVEK	9	
129	OVAL RUCHIK DASHRATH	9	
130	OTARI OMKAR VIJAYRAO	10	
131	KOLI RUTUJA SUNIL	9	
132	MULLA SADIYA BASHIRAHAMAD	10	
133	RUSHIKESH ABHAY KSHIRSAGAR	8	
134	JAIGUDE TEJASHREE SURESH	10	
135	PISAL DIVYA SHAHAJI	8	
136	BHOSALE PRATIKSHA RAJENDRA	9	
137	WADKAR KARISHMA AJIT	9	
138	GHADAGE SNEHAL ASHOK	10	
139	PAWAR PRATIKSHA GAJANAN	10	
140	BHOJANE NUTAN VITTHAL	9	
141	SONAWANE MANASI MAHENDRA	9	
142	BHOSALE SIDDHIKA VIJAY	8	
229	SHELAR GOURI JAGANNATH	8	
230	SHINDE AKANKSHA CHANDRAKANT	8	
235	TARADE SANI PRAKASH	AB	
243	RASTE SUDHRMA UMESH	9	



Head

Department of Statistics Kisen Veer Mahavidyalaya, Wai Dist, Satara - 412803

9. One Sample Certificate

