

# Janata Shikshan Sanstha's KISAN VEER MAHAVIDYALAYA, WAI



## **Certificate Course Report**

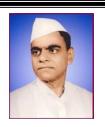
## **Supportive Documents for Certificate Course Annual Report**

#### 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. Time Table
- 7. Attendance Sheets
- 8. Result
- 9. One Sample Certificate



# Janata Shikshan Sanstha's KISAN VEER MAHAVIDYALAYA, WAI



**Department of Statistics** 

# "Certificate course in R- Software" Course Report 2019-20

From 2017-18 the Department of Statistics conducted 01 certificate course. The title of the course for B.Sc. III is "Certificate course in R-Software". The course was started on 5August 2019. The time-table was displayed on the department's notice board.

24 students were admitted for the said course. Examination of the said course was conducted along with practical exam of B.Sc. III. Students gained the new knowledge about use of R software for statistical computation. The supportive staff and the administration of the College and specially Hon. Principal supported a lot.

Principal
Kisan Veer Mahavidyalay, Wai

Course Co-ordinator
Department of Statistics



## 2. Notice of the Course

Department of Statistics Kisan Veer Mahavidyalaya, Wai

Date: 01/08/2019

All the students in B.Sc. III are hereby informed that "Certificate course in R- Software" is going to start from 05/08/2019. This course is compulsory for B.Sc. III (Statistics) Students.

Principal
Kisan Veer Mahavidyalay, Wai

Course Co-ordinator
Department of Statistics



### 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-functionV. 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.
- 2) 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**

## Janata Shikashan Sanstha's Kisan Veer Mahavidyalaya,Wai

B. Sc. III 2019- 2020

R' Software List

Sr. No.	Roll No.	R' Software List  Name of Student
1	121	PHANSE KOMAL JAGANNATH
2	122	NEVASE SONALI CHANDRAKANT
3	123	RAUT NIVEDITA BHASKAR
4	124	SONAWALE AISHWARYA KISAN
5	125	KESHAWAY SELIN SUNIL
6	126	KONDHALKAR MONALI HINDURAO
7	127	GADHAVE SAMRUDDHI SANJAY
8	128	NIMBALKAR ANKITA SUNIL
9	129	PISAL ANKITA DNYANESHWAR
10	130	GOLE NILAM BHARAT
11	131	PACHANGANE MANASI RAVINDRA
12	132	SHINDE SWARAJ JIVAN
13	133	CHAVAN ANUJA SANJAY
14	134	SAWANT SHUBHAM MANOJ
15	135	ITHAPE MAYURI RAMESH
16	136	ITHAPE SNEHAL SUNIL
17	137	CHAUDHARI NEHA PRAKASH
18	138	BHANAGE PRAJAKTA UTTAM
19	139	KUMBHAR DHANSHREE ANKUSH
20	140	RAJPURE SHRADDHA SHRIKANT
21	141	RAJPURE PRATIKSHA ROHIDAS
22	142	GORE SARITA BABAN
23	148	SURYAWANSHI TANUJA SHIVDAS
24	149	GAIKWAD SONALI ANIL

Y YEAR TO

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

## 6. Time Table

TIME TABLE

#### JANATA SHIKSHAN SANSTHA'S KISAN VEER MAHAVIDYALAYA, WAI

19-2020

YEAR: 2019-2019

B.Sc. - III (Division A)

'R' Software Course

C.,	m.			Software Course			
Sr. No.	Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
01	11.00 to 3.00	29-		- :	Batch I	BotchI	

Head

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

## 7. Attendance sheet

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25	Sawant Shubham M.				A STATE OF THE PARTY OF THE		1				

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	Gaikwad Sonali Anil							, , , ,	/		fel ma
8	Chavan Anuja Sanjay	geham	Actaion	Achair	tolans	Laran	Achain	gehabr	Adam	Anna	Johnson (100)
9	Chaudhari Neha Prakash	100	(Delle	(DAD)	(86)	(BA)	JEG DE LA PROPERTIES	Jest De	Phope	PRH have	repulbar
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	Gole Nilam Bharat	Gole	Dole	SPOLO_	Pole	-	Rises	Busal.	Asa		Risas
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22	Rajpure Pratiksha Rohidas	refluic	Talane	TO TO	TOP VA	0)					
23	Sankpal Avinash Dilip										
	Shinde Swaraj J.										
25	Sawant Shubham M.										



## 8. Result

Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
Department of Statistics
Mark list of R-Software Course (2019-20)

Sr.	Roll No.	Marks				
No.						
1	140	8				
2	139	7				
3	134	8				
4	132	9				
5	122	9				
6	123	9				
7	141	7				
8	142	8				
9	131	9				
10	133	7				
11	136	7				
12	135	7				
13	137	7				
14	149	7				
15	148	7				
16	129	7				
17	128	8				
18	126	8				
19	127	8				
20	130	8				
21	125	8				
22	124	8				
23	138	9				
24	121	8				



Course Coordinator
Department of Statistics

## 9. One Sample Certificate

