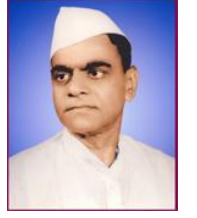




JanataShikshanSanstha's
KISAN VEER MAHAVIDYALAYA, WAI



Certificate Course Report

**Supportive Documents for
Certificate Course Annual Report**

Supportive Documents for

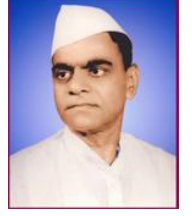
Certificate Course Annual Report includes-

- 1. Short Report of the Particular Academic Year**
- 2. Syllabus of the Course**
- 3. Course Objectives and Outcomes**
- 4. List of enrolled students.**
- 5. Attendance Sheets**
- 6. One Sample Certificate**

Kisan



JanataShikshanSanstha's
KISAN VEER MAHAVIDYALAYA, WAI
Department of Statistics



“Certificate course in R- Software”

Course Report 2018-19

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 9 July 2018. The time-table was displayed on the department’s notice board.

18 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.

Dr.E.B.Bhalerao
I/C Principal
Kisan Veer Mahavidyalay, Wai

Prof. R. H. Waliv
Course Co-ordinator
Department of Statistics

2. 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.

3. Objectives of the Course

Objectives of the course

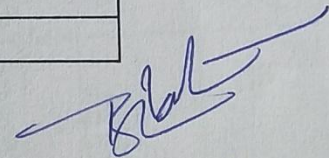
- 1) To introduce statistical Technology to the students.
- 2) To get the knowledge for analysis of statistical data by using R software.
- 3) To get job opportunities in industrial sector.
- 4) To develop a skill for statistical consultancy.

4. List of enrolled students

Certificate Course in R software

Janata Shikashan Sanstha's
Kisan Veer Mahavidyalaya, Wai
B. Sc. III
2018- 2019
Student List

Sr. No.	Roll No.	Name Of the Student
1	121	KUMBHAR PRIYANKA SHASHIKANT
2	122	SUKALE MANASI MANOJ
3	123	BAVALEKAR NILESH VASANT
4	124	YADAV AKASH RAMCHANDRA
5	125	DHANWADE GANESH MAHADEV
6	126	SHEWALE SUSHANT MOHAN
7	127	RAJPURE PRAJAKTA SUNIL
8	128	NIMBALKAR HARSHADA PRAMOD
9	129	POPHALE ARATI SURESH
10	130	BAGWAN VASIMA YUSUF
11	131	JADHAV POOJA BALU
12	132	PISAL SMITA VIJAYKUMAR
13	133	PISAL URMILA SHIVAJI
14	134	BHOSALE RUTUJA RUPCHAND
15	135	THORAT SAYALI SHIVAJI
16	136	SHELAR UTKARSHA UTTAM
17	137	MARDHEKAR MAYUR SUNIL
18	143	SHINDE CHAITANYA SHUREH



Head

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

6. Attendance Sheets:

Kisan Veer Mahavidyalaya, Wai
Department of Statistics
2018-19 (B.Sc. III) R Software Course

Sr. No.	Roll No.	6/12/18	7/12/18	13/12/18	14/12/18	20/12/18	21/12/18	24/12/18	27/12/18	28/12/18	29/12/18
1	121	Subh	Subh	Subh	Subh	Subh	Subh	Subh	Subh	Subh	Subh
2	122	Murkale	Murkale	Murkale	Murkale	Murkale	Murkale	Murkale	Murkale	Murkale	Murkale
3	123										
4	124										
5	125										
6	126	Sud	-	Sud	Sud	Sud	Sud	Sud	Sud	Sud	Sud
7	127	Pijpux	Pijpux	Pijpux	Pijpux	Pijpux	Pijpux	Pijpux	Pijpux	Pijpux	Pijpux
8	128	Jashimbe	Jashimbe	Jashimbe	Jashimbe	Jashimbe	Jashimbe	Jashimbe	Jashimbe	Jashimbe	Jashimbe
9	129	Aophale	Aophale	Aophale	Aophale	Aophale	Aophale	Aophale	Aophale	Aophale	Aophale
10	130	VYBaqwan	VYBaqwan	VYBaqwan	VYBaqwan	VYBaqwan	VYBaqwan	VYBaqwan	VYBaqwan	VYBaqwan	VYBaqwan
11	131	Bijadhaz	Bijadhaz	Bijadhaz	Bijadhaz	Bijadhaz	Bijadhaz	Bijadhaz	Bijadhaz	Bijadhaz	Bijadhaz
12	132										
13	133	Uisal	Uisal	Uisal	Uisal	Uisal	Uisal	Uisal	Uisal	Uisal	Uisal
14	134										
15	135	Shelax	Shelax	Shelax	Shelax	Shelax	Shelax	Shelax	Shelax	Shelax	Shelax
16	136	Shelax	Shelax	Shelax	Shelax	Shelax	Shelax	Shelax	Shelax	Shelax	Shelax
17	137										
18	143										

Kisan Veer Mah

7. One Sample Certificate



Kisan Veer