

# Janata Shikshan Sanstha's KISAN VEER MAHAVIDYALAYA, WAI



## **Certificate Course Report**

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

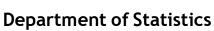
#### **Certificate Course Annual Report includes-**

- 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





## "Certificate Course in R- Software" Course Report 2018-19



Janata Shikshan Sanstha'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 Mahavidyalaya, Wai SANSTHAS WA' \* Ordinard S Prof. R. H. Waliv Course Co-ordinator Department of Statistics

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### 2. Notice of the Course

Department of Statistics Kisan Veer Mahavidyalaya, Wai. Date: 02/07/2018

#### NOTICE

All the students of B.Sc.Part III are hereby informed that, <u>Certificate</u>

<u>Course in R-Software</u> in Statistics is going to start from 9<sup>th</sup> July, 2018.

this course is compulsory to all B.Sc.III Statistics students.

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Department of Statistics

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NISAN VEER MAHAVIYALAYA
Tal. Wai, Dist. Satara

#### 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

# Catificate Course in Roothware

Janata Shikashan Sanstha's

# Kisan Veer Mahavidyalaya,Wai

B. Sc. III 2018-2019 Student List

Roll No.	Name Of the Student
121	KUMBHAR PRIYANKA SHASHIKANT
122	SUKALE MANASI MANOJ
123	BAVALEKAR NILESH VASANT
124	YADAV AKASH RAMCHANDRA
125	DHANWADE GANESH MAHADEV
126	SHEWALE SUSHANT MOHAN
127	RAJPURE PRAJAKTA SUNIL
128	NIMBALKAR HARSHADA PRAMOD
129	POPHALE ARATI SURESH
130	BAGWAN VASIMA YUSUF
131	JADHAV POOJA BALU
132	PISAL SMITA VIJAYKUMAR
133	PISAL URMILA SHIVAJI
134	BHOSALE RUTUJA RUPCHAND
135	THORAT SAYALI SHIVAJI
136	SHELAR UTKARSHA UTTAM
137	MARDHEKAR MAYUR SUNIL
	SHINDE CHAITANYA SHUREH
	122 123 124 125 126 127 128 129 130 131 132 133 134 135

Head

Department of Statistics Kican Veer Mahavidyalaya, Wai Net Satara - 412800

Printed On: 27/08/2018 10:32:59AM

I/C PRINCIPAL KISAN VEER MAHAVIYALAYA Tal. Wai, Dist. Satara

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# 6. Time Table

Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
Department Of Statistics
Time Table
R- Software course
B.Sc.III (2018-19)

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
11.00					Batch I	Batch
to						I
3.00						



Head
Department of Statistics
Kisan Veer Mahavidyalaya, Wai

I/C PRINCIPAL
KISAN VEER MAHAVIYALAYA
Tal. Wai, Dist. Satara

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# 7. Attendance Sheets:

#### Kisan Veer Mahavidyalaya, Wai Department of Statistics

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4	124										
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9	129	Aghale	Amphale	Asphale	Amphale	Apphale	Apphal	Amphale	Apophale	Amphale	Apphale
10	130	VYBagwan	VYBaqwan	VYBaquan	VyBaqwan	WBaqwan	VYBaqwar	WBaqwan	YBaqwan	WBaqwan	WBaqwan
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17	137										
18	143										

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1	121	Lemble	Lunks	Bull	- Jabon	Suble	- Sub-	Sunkle	Aublin	Suble	Belle
2	122	Mouleil	mrukale	moutale	Moutaly	Merekale	Meritale	Markale	moukale	mulak	Morrison
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9	129	Asophale	Asphali	Apphale	Apophak	Apophala	Apophale	Amphale	Azphale	Apphale	Acopale
10	130	VYBagwan	VyBaqwan	VPBaqwan	1			VyBaywan		VZBaqwen	VyBagwan
11	131	Bysidhar	Prejadra	Pyjadha	Bujadha.	Regiother.	Regadhar	Sefodha	Regarden	Senferdha	Injedhar.
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# 8. Result

# Janata shikshan sanstha's Kisan veer mahavidyalaya, wai Department of statistics Marksheet of Student's R Software Course 2018-19

Roll No.	Name of Student	Marks
121	KUMBHAR PRIYANKA SHASHIKANT	10
122	SUKALE MANASI MANOJ	9
123	BAVALEKAR NILESH VASANT	7
124	YADAV AKASH RAMCHANDRA	7
125	DHANWADE GANESH MAHADEV	7
126	SHEWALE SUSHANT MOHAN	8
127	RAJPURE PRAJAKTA SUNIL	10
128	NIMBALKAR HARSHADA PRAMOD	9
129	POPHALE ARATI SURESH	9
130	BAGWAN VASIMA YUSUF	9
131	JADHAV POOJA BALU	8
132	PISAL SMITA VIJAYKUMAR	7
133	PISAL URMILA SHIVAJI	9
134	BHOSALE RUTUJA RUPCHAND	7
135	THORAT SAYALI SHIVAJI	8
136	SHELAR UTKARSHA UTTAM	10
137	MARDHEKAR MAYUR SUNIL	7
143	SHINDE CHAITANYA SHURESH	7

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Head Department of Statistics Kisan Veer Mahavidyalaya, Wai

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# 9.One Sample Certificate

