

"Education through self-help is our motto"- KARMAVEER
 RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS

Organized
Computation of Statistics using R-Software
 Self – Funded under Short Term Courses in the academic year 2021-2022
COURSE REPORT

Department of statistics organized the certificate course on computation of statistics using R-software for B.Sc.III students for the academic year 2021-22. The main objectives of this course are:

- To learn R-software and how to use it for effective exploratory data analysis.
- To learn number of data types, data structures, various operators
- To learn syntax of various loops
- To learn various inbuilt functions
- To learn how to simulate data from various distributions
- To learn analysis of one- and two-way analysis of data


For this course fee of Rs.500 charged to the students. The course was conducted in the period of 08/12/2021 to 06/01/2022. Total number of beneficiaries for this course is 23. After completion of this course student's knowledge was checked through various computation task through assignments. Each student who successfully completed this course was awarded by certificate. Mr. Chougule P. S.(co-ordinator) Dr. Kurane T. S., Smt. Gadhari G.A., Smt. Bhosale A. S. and Smt. Amate S. A. are worked as a Resource person for this course.

Outcomes: The students shall become confident and equipped with all the knowledge requires to perform analytical activities using R Software.


**Total number of
beneficiaries is 23.**




Mr.P.S.Chougule
 Head& Coordinator
 Department of Statistics


Dr. M.K.Kannade
 Incharge,
 Short term Courses


Dr. S.P.Pawar
 IQAC
 Coordinator


Dr. R.S. Dubal
 Principal
 R.C.Shahu College, Kolhapur



Education through self-help is our motto"- KARMAVEER
Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics
Organized
“ Computation of Statistics Using R Software”
STUDENT NOTICE

Date: 30/10/2021

All the students of B.Sc. III are informed that the Certificate course “ Computation of Statistics Using R Software ” is being started in our college by the Department of Statistics. All interested students should contact to course co-ordinator Mr. P.S.Chougule.



A blue handwritten signature of the Head of Department of Statistics.

Head
Department of Statistics
Rajarshi Chh. Shahu College, Kolhapur

A blue handwritten signature of the Principal.

Principal,
Rajarshi Chh. Shahu College
Kolhapur.

"Education through self-help is our motto"- KARMAVEER
 Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics
 Organized
Computation of Statistics using R-Software
 (Self – Funded)
 Under
 Short Term Courses
 2021-2022

Income and Expenditure Statement

Income Particulars	Amount (in Rs.)	Expenditure Particulars	Amount (in Rs.)
1) Total Participants = 23 (23*500)	11500/-	1) Certificate Printing	420/-
		2) Remuneration for Recourse Person Lumsum Total amount 11500-420=11080/- 11080*30%=3324 3324/3=1108/- this amount is equally distributed to 3 persons)	
		i) Smt. Amate S. A.	1108/-
		ii) Smt. Bhosale A. S.	1108/-
		iii) Smt. Gadhari G.A.	1108/-
		3)Balance to College	7756/-
Total	11500=00	Total	11500=00



[Signature]
Mr. P. S. Chougule
 Co-coordinator & Head,
 Department of Statistics,
 R. C. Shahu College, Kolhapur

[Signature]
Dr. M.K. Kannade
 Incharge, Short Term Courses,
 R. C. Shahu College, Kolhapur

[Signature]
Prof. R. S. Dubal
 Principal,
 R. C. Shahu College, Kolhapur

रयंत शिक्षण संस्थेचे
राजर्षी छत्रपती शाहू कॉलेज कोल्हापूर
संख्याशास्त्र विभाग

Certificate Course in Computation of Statistics Using R software

२०२१-२२

दिनांक : २.११.२०२१

ठराव

सर्व विज्ञान विभाग प्रमुखांची बैठक मा. प्राचार्यच्या मार्गदर्शनाखाली दिनांक ०२/११/२०२१ रोजी घेण्यात येवून सदर बैठकीत पुढीलप्रमाणे ठराव करण्यात आला व तो सर्वानुमते मंजूर करण्यात आला. तसेच जमा होणारी फी रु ५००/- प्रमाणे विचारात घेऊन पुढीलप्रमाणे कार्यवाही करण्याचे ठरले.

ठराव- या कोर्से करिता जास्तीत जास्त विद्यार्थी आपल्या व बाहेरील महाविद्यालयातील प्रवेश घेतील यासाठी विभागातील सर्व शिक्षकांनी प्रयत्न करावेत व एकूण जमा होणाऱ्या रकमेतून ३०% रक्कम विभागातील काम करणाऱ्या तासिका तत्वावरील शिक्षकांना सदर कोर्सेचे मानधन म्हणून समप्रमाणात विभागून देण्यात यावी असे सर्वानुमते ठरले. तसेच सदर कोर्से चागल्या पध्दतीने पार पाडण्यासाठीची जबाबदारी विभागप्रमुखावर सोपविण्यात आली.

वरील प्रमाणे ठराव सर्वानुमते मंजूर करण्यात आला.

१) रसायनशास्त्र- डॉ एस. व्ही. पाटील

२) भौतिकशास्त्र- डॉ व्ही. व्ही. किल्लेदार

३) गणितशास्त्र- प्रा. बी. के. वाघमोडे

४) वनस्पतीशास्त्र- प्रा. एस. एम. गोजारे

५) प्राणीशास्त्र- डॉ. आर. एस. डुबल

६) शोर्ट टर्म कोर्से प्रमुख- डॉ. कन्नाडे एम. के

७) संख्याशास्त्र- प्रा. पी. एस. चौगुले

८) IQAC coordinator -डॉ एस. पी. पवार



प्र.-प्राचार्य
राजर्षी छ. शाहू कॉलेज,
कोल्हापूर.

Rayat Shikshan sanstha's
 Rajarshi Chhatrapati Shahu College, Kolhapur
 Certificate course on Computation of Statistics Using R software
 B.Sc.III 2021-22

Roll No	Name of Students	24/05	25/05	26/05	27/05	28/05	29/05	30/05	31/05	01/06	02/06	03/06	04/06
59	AKSHAY NAVNATH PERNOLE	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full
60	AMRUTA AJIT SHETE	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
61	AMRUTA DHANAJI HERLE	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
62	ASHISH DADASO SHEJAWAL	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
63	BHUSHAN BAPU MAGDUM	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
64	DIPTI PRAKASH KHOT	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
65	MAHESH DATTATRAY SHINDE	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
66	PAWANKUMAR TANAJI PATIL	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
67	POOJA ANANT GAWADE	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
68	POOJA PIRAJI HATAKAR	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
69	POONAM JAYSING SIDRUK	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
70	PRAJAKTA HANMANT GAVADE	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
71	PRITEE PRAVIN JAMADAE	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
72	RAJASHRI SHANKAR PADWAL	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
73	RANI DILIP SURYAVANSHI	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
74	RUTUJA KESHAV GHADAGE	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
75	SANDESH RAMESH GAVADE	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
76	SOMRIDDIHI PARASHRAM NARAIKAR	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
77	SURAJ RANGHUNATH PATIL	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
78	SWATI JAGNATH DESAI	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
79	TUSHAR UTTAM PATIL	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
80	VIKAS KRISHNAT SURYAWANSHI	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti
81	VRISHALI MANOHAR PARAB	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti	Amruti



Rayat Shikashan sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Certificate course on Computation of Statistics Using R software

B.Sc.III 2021-22

Roll No	Name of Students	05/06	06/06	07/06	08/06	09/06	10/06	15/06	18/06	22/06	24/06	27/06	30/06
59	AKSHAY NAVNATH PERNOLE	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
60	AMRUTA AJIT SHETE	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
61	AMRUTA DHANAJI HERLE	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
62	ASHISH DADASO SHEJAWAL	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
63	BHUSHAN BAPU MAGDUM	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
64	DIPTI PRAKASH KHOT	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
65	MAHESH DATTATRAY SHINDE	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
66	PAWANKUMAR TANAJI PATIL	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
67	POOJA ANANT GAWADE	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
68	POOJA PIRAJI HATAKAR	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
69	POGNAM JAYSINGM SIDRUK	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
70	PRAJAKTA HANMANT GAVADE	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
71	PRITEE PRAVIN JAMADAE	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
72	RAJASHRI SHANKAR PADWAL	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
73	RANI DILIP SURYAVANSHI	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
74	RUTUJA KESHAV GHADAGE	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
75	SANDESH RAMESH GAVADE	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
76	SOMRIDDDHI PARASHRAM NARALKAR	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
77	SURAJ RANGHUNATH PATIL	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
78	SWATI JAGNATH DESAI	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
79	TUSHAR UTTAM PATIL	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
80	VIKAS KRISHNAT SURYAWANSHI	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten
81	VRISHALI MANOHAR PARAB	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten	Handwritten



**Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics**

**Organised
Certificate Course on Computation of Statistics using R - Software
(Self - Funded Under COC)**

Time Table 2021-22

Venue	Date Time	2021													
		08/12/21	09/12/21	10/12/2021	11/12/2021	13/12/21	14/12/21	15/12/21	16/12/21	17/12/21	18/12/21	20/12/21	21/12/21	22/12/21	
Theory	2.30 - 3.30	PSC	PSC	PSC	PSC	PSC	PSC	PSC	TSK	PSC	PSC	PSC	PSC	PSC	
Practical	3.30 onward	-	-	ASB	ASB	ASB	ASB	ASB	TSK	GAG	GAG	GAG	GAG	GAG	

Venue	Date Time	2022										
		23/12/21	24/12/21	27/12/21	28/12/21	29/12/21	30/12/21	01/01/22	03/01/22	04/01/22	05/01/22	06/01/22
Theory	2.30 - 3.30	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC
Practical	3.30 onward	GAG	SAA	SAA	SAA	SAA	SAA	SAA	TSK	TSK	TSK	ASB

Sr. No.	Name of Lecturer	
1	PSC	Mr. Chougule P. S.
2	TSK	Dr. Kurane T.S.
3	ASB	Smt. Bhosale A. S.
4	GAG	Smt. Gadhari G. A.
5	SAA	Smt. Amate S. A.



Principal
**Principal,
Rajarshi Chh. Shahu College
Kolhapur.**

Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics
Capsule course in Computational Statistics using R-Software
2021-22
List of Students

SR.NO	NAME OF THE STUDENT	FEE
1	AKSHAY NAVNATH PERNOLE	500
2	AMRUTA AJIT SHETE	500
3	AMRUTA DHANAJI HERLE	500
4	ASHISH DADASO SHEJAWAL	500
5	BHUSHAN BAPU MAGDUM	500
6	DIPTI PRAKASH KHOT	500
7	MAHESH DATTATRAY SHINDE	500
8	PAVANKUMAR TANAJI PATIL	500
9	PUJA ANANT GAWADE	500
10	POOJA PIRAJI HATAKAR	500
11	POONAM JAYSING SIDRUK	500
12	PRAJAKTA HANMANT GAWADE	500
13	PRITEE PRAVIN JAMADADE	500
14	RAJASHRI SHANKAR PADWAL	500
15	RANI DILIP SURYAVANSHI	500
16	RUTUJA KESHAV GHADAGE	500
17	SANDESH RAMESH GAWADE	500
18	SAMRIDDI PARASHRAM NARALKAR	500
19	SURAJ RAGHUNATH PATIL	500
20	SWATI JAGNNATH DESAI	500
21	TUSHAR UTTAM PATIL	500
22	VIKAS KRISHNAT SURYAWANSHI	500
23	VRISHALI MANOHAR PARAB	500
Total Amount (in Rs.)		11500=00


Head
 Department of Statistics
 Rajarshi Chh. Shahu College, Kolhapur.



33949 & 33971


Principal,
 Rajarshi Chh. Shahu College
 Kolhapur.

Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics


Organised

Certificate Course on Computation of Statistics using R - Software 2021-22
(Self - Funded Under COC)

Result

Sr. No.	Name of Student	College Name	Marks
1	AKSHAY NAVNATH PERNOLE	R. C. Shahu College, Kolhapur	48
2	AMRUTA AJIT SHETE	R. C. Shahu College, Kolhapur	46
3	AMRUTA DHANAJI HERLE	R. C. Shahu College, Kolhapur	46
4	ASHISH DADASO SHEJAWAL	R. C. Shahu College, Kolhapur	46
5	BHUSHAN BAPU MAGDUM	R. C. Shahu College, Kolhapur	44
6	DIPTI PRAKASH KHOT	R. C. Shahu College, Kolhapur	48
7	MAHESH DATTATRAY SHINDE	R. C. Shahu College, Kolhapur	46
8	PAVANKUMAR TANAJI PATIL	R. C. Shahu College, Kolhapur	46
9	POOJA ANANT GAWADE	R. C. Shahu College, Kolhapur	48
10	POOJA PIRAJI HATAKAR	R. C. Shahu College, Kolhapur	46
11	POONAM JAYSINGH SIDRUK	R. C. Shahu College, Kolhapur	44
12	PRAJAKTA HANMANT GAVADE	R. C. Shahu College, Kolhapur	46
13	PRITEE PRAVIN JAMADAE	R. C. Shahu College, Kolhapur	48
14	RAJASHRI SHANKAR PADWAL	R. C. Shahu College, Kolhapur	46
15	RANI DILIP SURYAVANSHI	R. C. Shahu College, Kolhapur	48
16	RUTUJA KESHAV GHADAGE	R. C. Shahu College, Kolhapur	46
17	SANDESH RAMESH GAWADE	R. C. Shahu College, Kolhapur	48
18	SUMRIDDHI PARASHRAM NARALKAR	R. C. Shahu College, Kolhapur	46
19	SURAJ RAGHUNATH PATIL	R. C. Shahu College, Kolhapur	48
20	SWATI JAGNATH DESAI	R. C. Shahu College, Kolhapur	46
21	TUSHAR UTTAM PATIL	R. C. Shahu College, Kolhapur	48
22	VIKAS KRISHNAT SURYAWANSHI	R. C. Shahu College, Kolhapur	46
23	VRISHALI MANOHAR PARAB	R. C. Shahu College, Kolhapur	48




Head
Department of Statistics
Rajarshi Chh. Shahu College, Kolhapur



“Education through self-help is our motto” -Karmaveer

RAYAT SHIKSHAN SANSTHA'S

RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR

Re-Accredited by NAAC (3rd Cycle) with 'A' Grade (CGPA-3.07)

DEPARTMENT OF STATISTICS



This is to certify that Prof./Shri/Smt. Gadhari G. A. of
Rajarshi Chhatrapati Shahu College, Kolhapur has attended and participated / Delivered a Lecture as
Resource Person / Successfully completed Certificate Course on Computation of Statistics using R-
Software conducted by Department of Statistics Rajarshi Chhatrapati Shahu College, Kolhapur from

08/12/2021 to 06/01/2022

Mr. P. S. Chougule
Coordinator &
Head, Dept. of Statistics

Dr. M. K. Kannade
Incharge
Short Term Courses

Dr. S. P. Pawar
IQAC,
Coordinator

Dr. R. S. Dubal
I/C Principal,
R. C. Shahu College Kolhapur