

**"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 2020-2021

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 2020-21. 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 22/2/2021 to 17/03/2021. Total number of beneficiaries for this course is 36. 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. T. S. Kurane, Smt. Mujawar S.R., Smt. Rawal S.S. and Smt. Jadhav P. S., Mr. Mali K. M. are worked as a Resource person for this course. The output of this course is students of B.Sc. III Statistics shall become confident and equipped with all the knowledge requires to perform analytical activities using R Software.


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 36.**




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


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


Dr. S. P. Pawar
IQAC
Coordinator


Dr. S. T. Salunkhe
Principal
R.C.Shahu College, Kolhapur



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Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics
Organized
“ Computation of Statistics Using R Software”
STUDENT NOTICE

Date: 15/02/2021

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 handwritten signature in blue ink, appearing to be "P.S. Chougule".

Head
Department of Statistics
Rajarshi Chh. Shahu College, Kolhapur


A handwritten signature in blue ink, appearing to be "P.S. Chougule".

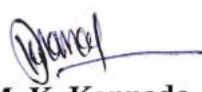
Principal,
Rajarshi Chh. Shahu College
Kolhapur.


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 Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics
 Organized
Certificate Course on Computation of Statistics using R –Software
held on 22/2/2021 To 17/03/2021
 (Self – Funded)
 Under
 Short Term Courses
 2020-2021

Income and Expenditure Statement

Income	Amount (in Rs.)	Expenditure	Amount (in Rs.)
Particulars		Particulars	
1) Total Participants = 36 (36*500)	18000/-	1) Certificate Printing	650/-
		2) Remuneration for Recourse Person Lumsum (30% of Total amount is 6000/- equally distributed into 4 persons)	
		i) Smt.Mujawar S.R.	1500/-
		ii) Smt. Raval S.S.	1500/-
		iii) Smt. Jadhav P.S.	1500/-
		iv) Mr.Mali K.M.	1500/-
		3)Balance to College	11350/-
Total	18000=00	Total	18000=00


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


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 Incharge, Short Term Courses,
 R. C. Shahu College, Kolhapur


Dr. S.T. Salunkhe
 Principal,
 R. C. Shahu College, Kolhapur



रयत शिक्षण संस्थेचे
राजर्षी छत्रपती शाहू कॉलेज कोल्हापूर
संख्याशास्त्र विभाग

Certificate Course in Computation of Statistics Using R software

२०२०-२१

दिनांक : १८.०२.२०२१

ठराव

सर्व विज्ञान विभाग प्रमुखांची बैठक मा. प्राचार्यांच्या मार्गदर्शनाखाली दिनांक १८-०२-२०२१ 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 चांगल्या 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. पी. टी. बाठे

४) वनस्पतीशास्त्र- प्रा. एस. एम. गोजारे

५) प्राणीशास्त्र- डॉ. आर. एस. डुबल

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

७) संख्याशास्त्र- प्रा. पी. एस. चौगुले

८) IQAC coordinator -डॉ एस. पी. पवार


प्राचार्य,
राजर्षी छ. शाहू कॉलेज
कोल्हापूर



Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics , Organized
Certificate Course on Computation of Statistics using R - Software
Attendance Sheet 2020-21

Sr. No.	Name of the Student	College Name	22/2/2021	23/2/2021	24/2/2021	25/2/2021	26/2/2021	27/2/2021	1/3/2021	1/3/2021
1	AJINKYA YASHWANT BUDAKE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
2	AMRUTA RAJENDRA PATIL	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
3	ANAND SITARAM BHAGAT	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
4	ANIKET SHAHAI PALKAR	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
5	ANUJA VASANT KUMBHAR	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
6	ASHWINI SAMBHAJI BHOGULKAR	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
7	JYOTI VILAS RAJGURU	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
8	KISHOR BHIMANNA MORE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
9	KRANTI DAGADU BHASKAR	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
10	MAHESH SHRIDHAR SUTAR	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
11	MARUTI DHONDIRAM POWAR	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
12	MOHAN LAXMAN BODAKE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
13	NAMRATA NARAYAN SAWANT	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
14	NANDKUMAR GOPAL BANDIVDEKAR	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
15	NEHA DATTATRAY SATPUTE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
16	NIKHIL NIVAS PATIL	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
17	NIKITA UADAYSING PATIL	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
18	ONKAR VIJAYKUMAR JADHAV	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
19	PRADNYA RAGHUNATH KAMBLE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
20	RANJEET CHANDRAKANT SHINDE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
21	RASIKA GAJANAN THANEKAR	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
22	RUPALI ANIL MAGDUM	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
23	RUTUJA AMAR KAMBLE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
24	SAGAR MAHADEV MANGLE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
25	SAYALI RAJARAM PATIL	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
26	SHIVAJI DADASO BAMAN	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
27	SHRADDHA BALKRISHNA LOHAR	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
28	SIMRAN DILAWAR JAMADAR	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
29	SNEHAL PANDURANG JADHAV	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
30	SOPAN SANJAY PATIL	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
31	SURAJ RAMESH CHOUGULE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
32	SUREKHA TUKARAM AMBALE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
33	SWATI UMESH POL	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
34	TEJAS AABA GAWADE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
35	VAIBHAV RAMDAS SURASHE	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD
36	YOGESH NAYAKU JADHAV	R. C. Shahu College, Kolhapur	AD	AD	AD	AD	AD	AD	AD	AD



**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 2020-21

Theory	Venue	Date		22/2/2021	23/2/2021	24/2/2021	25/2/2021	26/2/2021	27/2/2021	1/3/2021	2/3/2021	3/3/2021	4/3/2021	5/3/2021	6/3/2021	8/3/2021
		Time	Time													
Practical	Department	1.00 - 3.00	PSC	SRM	SRM	SRM	SRM	SRM	SRM	KMM	KMM	TSK	TSK	TSK	TSK	SRM
	Lab (Stat.Lab Morning)	9.00 - 11.00	-	-	SRM	SRM/PSJ	SRM	SRM/PSJ	SRM/PSJ	SRM/KMM	SRM/KMM	SRM/PSJ	SRM/PSJ	SRM/PSJ	SRM/PSJ	SRM
	Lab (Stat.Lab Evening)	3.00 - 5.00	-	-	TSK	TSK	TSK	TSK	TSK	TSK/SSR	TSK/SSR	SRM	SRM	SRM	SRM	SSR/TSK

Theory	Venue	Date		9/3/2021	10/3/2021	11/3/2021	12/3/2021	13/3/2021	15/3/2021	16/3/2021	17/3/2021
		Time	Time								
Practical	Department	1.00 - 3.00	SRM	SRM	SRM	SRM	SRM	TSK	TSK	PSC	PSC
	Lab (Stat.Lab Morning)	9.00 - 11.00	SRM	SRM	SRM	SSR	SSR	SSR	SSR	SRM	SRM
	Lab (Stat.Lab Evening)	3.00 - 5.00	SSR/TSK	SSR/TSK	TSK/PSJ	TSK/PSJ	TSK/PSJ	TSK/PSJ	TSK/PSJ	SSR	SSR

Sr. No.	Name of Lecturer
1	Mr. Chougule P. S.
2	Dr. Kurane T.S.
3	Smt. Mujawar S. R.
4	Smt. Rawal S.S.
5	Smt. Jadhav P.S.



f. Subh...
Head

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

Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics
Certificate course in Computational Statistics using R-Software
2020-21
List of Students

SR.NO	NAME OF THE STUDENT	FEE	RECEIPT NO	DATE
1	AJINKYA YASHWANT BUDAKE	500	30350	15/03/21
2	AMRUTA RAJENDRAPATIL	500	30351	15/03/21
3	ANAND SITARAM BHAGAT	500	30352	15/03/21
4	ANIKET SHAHAJI PALKAR	500	30353	15/03/21
5	ANUJA VASANT KUMBHAR	500	30354	15/03/21
6	ASHWINI SAMBHAJI BHOGULKAR	500	30355	15/03/21
7	JYOTI VILAS RAJGURU	500	30356	15/03/21
8	KISHOR BHIMANNA MORE	500	30357	15/03/21
9	KRANTI DAGADU BHASKAR	500	30358	15/03/21
10	MAHESH SHRIDHAR SUTAR	500	30359	15/03/21
11	MARUTI DHONDIRAM POWAR	500	30360	16/03/21
12	MOHAN LAXMAN BODAKE	500	30361	16/03/21
13	NAMRATA NARAYAN SAWANT	500	30362	16/03/21
14	NANDKUMAR GOPAL BANDIVDEKAR	500	30363	16/03/21
15	NEHA DATTATRAY SATPUTE	500	30364	16/03/21
16	NIKHIL NIVAS PATIL	500	30365	16/03/21
17	NIKITA UADAYSING PATIL	500	30366	16/03/21
18	ONKAR VIJAYKUMAR JADHAV	500	30367	16/03/21
19	PRADNYA RAGHUNATH KAMBLE	500	30368	16/03/21
20	RANJEET CHANDRAKANT SHINDE	500	30369	16/03/21
21	RASIKA GAJANAN THANEKAR	500	30372	18/03/21
22	RUPALI ANIL MAGDUM	500	30373	18/03/21
23	RUTUJA AMAR KAMBLE	500	30374	18/03/21
24	SAGAR MAHADEV MANGLE	500	30375	18/03/21
25	SAYALI RAJARAM PATIL	500	30376	18/03/21
26	SHIVAJI DADASO BAMANE	500	30377	18/03/21
27	SHRADDHA BALKRISHNA LOHAR	500	30378	18/03/21
28	SIMRAN DILAWAR JAMADAR	500	30379	18/03/21
29	SNEHAL PANDURANG JADHAV	500	30380	18/03/21
30	SOPAN SANJAY PATIL	500	30381	18/03/21
31	SURAJ RAMESH CHOUGULE	500	30382	18/03/21
32	SUREKHA TUKARAM AMBALE	500	30383	18/03/21
33	SWATI UMESH POL	500	30384	18/03/21
34	TEJAS AABA GAWADE	500	30385	18/03/21
35	VAIBHAV RAMDAS SURASHE	500	30386	18/03/21
36	YOGESH NAYAKU JADHAV	500	30387	18/03/21
Total		18000		

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




Q M
 Principal
 Rajarshi Chh. Shahu College
 Kolhapur.

Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics , Organized
Certificate Course on Computation of Statistics using R - Software 2020-21

Result

Sr. No.	Roll No	Name of the Student	Marks
1	54	AJINKYA YASHWANT BUDAKE	48
2	55	AMRUTA RAJENDRA PATIL	46
3	56	ANAND SITARAM BHAGAT	46
4	57	ANIKET SHAHAJI PALKAR	46
5	58	ANUJA VASANT KUMBHAR	48
6	59	ASHWINI SAMBHAJI BHOGULKAR	44
7	60	JYOTI VILAS RAJGURU	46
8	61	KISHOR BHIMANNA MORE	48
9	62	KRANTI DAGADU BHASKAR	46
10	63	MAHESH SHRIDHAR SUTAR	48
11	64	MARUTI DHONDIRAM POWAR	48
12	65	MOHAN LAXMAN BODAKE	48
13	66	NAMRATA NARAYAN SAWANT	48
14	67	NANDKUMAR GOPAL BANDIVDEKAR	46
15	68	NEHA DATTATRAY SATPUTE	48
16	69	NIKHIL NIVAS PATIL	46
17	70	NIKITA UADAYSING PATIL	46
18	71	ONKAR VIJAYKUMAR JADHAV	46
19	72	PRADNYA RAGHUNATH KAMBLE	48
20	73	RANJEET CHANDRAKANT SHINDE	48
21	74	RASIKA GAJANAN THANEKAR	46
22	75	RUPALI ANIL MAGDUM	46
23	76	RUTUJA AMAR KAMBLE	48
24	77	SAGAR MAHADEV MANGLE	46
25	78	SAYALI RAJARAM PATIL	48
26	79	SHIVAJI DADASO BAMANE	48
27	80	SHRADDHA BALKRISHNA LOHAR	46
28	81	SIMRAN DILAWAR JAMADAR	46
29	82	SNEHAL PANDURANG JADHAV	48
30	83	SOPAN SANJAY PATIL	48
31	84	SURAJ RAMESH CHOUGULE	48
32	85	SUREKHA TUKARAM AMBALE	46
33	86	SWATI UMESH POL	46
34	87	TEJAS AABA GAWADE	46
35	88	VAIBHAV RAMDAS SURASHE	48
36	89	YOGESH NAYAKU JADHAV	48




Head
Department of Statistics
Rajarshi Chh. Shahu College, Kolhapur



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RAYAT SHIKSHAN SANSTHA'S

RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR

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

DEPARTMENT OF STATISTICS


CERTIFICATE

This is to certify that Prof./Shri/Smt. Jadhav P. S. of
R.C. Shahu College, Kolhapur has attended
and participated / Delivered a Lecture as Resource Person/ Successfully completed Certificate Course in Computation
of Statistics using R- Software conducted by Department of Statistics Rajarshi Chhatrapati Shahu College, Kolhapur
from 22/02/2021 to 17/03/2021


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


Dr. M. K. Kannade
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