संख्याशास्त्र विभाग,
विवेकानंद कॉलेज, कोल्हापूर
(अधिकारप्रदत्त स्वायत्त).

दि. 28. 12.2024

प्रति,

मा. प्राचार्य,
विवेकानंद कॉलेज,
कोल्हापूर (अधिकारप्रदत्त स्वायत्त).

विषय :- R- Programming वर कार्यशाळा घेण्याकरिता परवानगी व त्यासाठी

लागणाऱ्या खर्चास मंजूरी मिळणेबाबत . . .

महोदय,

आपल्या महाविद्यालयातील संख्याशास्त्र विभागामध्ये बी. एस्सी. भाग २, ३ व

एम. एस्सी. भाग १ मधील विद्यार्थ्यांसाठी R- Programming वर दहा दिवसांची कार्यशाळा दि.

०१.०१.२०२५ ते दि. ११.०१.२०२५ या कालावधीमध्ये घेण्यास परवानगी मिळावी तसेच या

कार्यशाळेसाठी अंदाजे रु. ४०००/- खर्च येणार आहे. तरी सदर खर्चास मंजूरी मिळावी ही विनंती.

कळावे,

आपली विश्वासू,

(सौ. व्ही. सी. शिंदे)
HEAD
DEPARTMENT OF STATISTICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Allowed
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30।12। 2024

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (Empowered Autonomous)

Department of Statistics

Notice

Date: - 28.12.2024

All the students of B. Sc. – II, III and M. Sc. I (Statistics/Applied Statistics) are hereby informed that, our department organizes a "Workshop on R – Programming" from 1st January 2025 to 11th January 2025. The time table of the program is as below.

Day	Day & Date	Topic Name	Lecturer	Time
1	Wednesday 01/01/2025	Installation and introduction to R, History. Object identification Creation of vector using commands: Combine (c), scan, cbind, rbind, seq, rep, edit, sort, length, which, order.	Mr. Bhosale A.B.	9:00 am - 11.00 am
2	Thursday 02/01/2025	Operations on vectors, Relation operators, Logical Operators, Assignment Operators. Object Identification	Mr. Bhosale A.B.	9:00 am - 11.00 am
3	Friday 03/01/2025	Import and export data, For loop, while loop, if else statement, break statement	Dr. Sachin Patil	9:00 am - 11.00 am
4	Saturday 04/01/2025	Data visualization Diagrammatic representation of data	Mr. More Sunil B.	9:00 am - 11.00 am
5	Monday 06/01/2025	Graphical representation of data. random number generation	Ms. Ransubhe P. V.	9:00 am - 11.00 am
6	Tuesday 07/01/2025	Matrix manipulation, Creation of data frame	Mr. Patil A. P.	9:00 am - 11.00 am
7	Wednesday 08/01/2025	**Exploratory data analysis**: mean, variance, quantiles, pdf, cdf, correlation, summary	Mr. Tangawade Atish S.	9:00 am - 11.00 am
8	Thursday 09/01/2025	Programming in R	Dr. D. G. Ghodase	9:00 am - 11.00 am
9	Friday 10/01/2025	Installation of packages **Statistical tools**: prop.test, t.test, wilcox.test, ks.test, chisq.test, cor.test, linear regression.	Ms. Makandar A. M.	9:00 am - 11.00 am
10	Saturday 11/01/2025	Random numbers, Random number generation from discrete and continuous distributions	Mr. D. D. Patil	9:00 am - 11.00 am

Venue: - B.Sc./ M.Sc. Computer Lab I department of Statistics

Mrs. V.C. Shinde
HEAD
DEPARTMENT OF STATISTICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Dr. R. R. Kumbhar
PRINCIPAL
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Vivekanand College Kolhapur (Empowered Autonomous)
Deaprtment of Statistics
Workshop on R - Programming Dt. 01.01.2025 to 11.01.2025
Attendance Report

Sr No	Roll No	Name of The Students	01.1.25	02.1.25	03.1.25	04.1.25	06.1.25	07.01.25	08.1.25	9.1.25	10.1.25	11.1.25
1	7757	Shreya Pravin Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
2	7754	Pazimal. Chandrashekhar Kadam	@RKadam	@RKadam	@RKadam	@RKadam	@RKadam	@RKadam	@RKadam	@RKadam	@RKadam	@RKadam
3	7753	Divya Ananda Fadtare	Afadtare	Afadtare	Afadtare	Afadtare	Afadtare	Afadtare	Afadtare	Afadtare	Afadtare	Afadtare
4	7755	Krushna Balavant Mane	Bmane	Bmane	Bmane	Bmane	Bmane	Bmane	Bmane	Bmane	Bmane	Bmane
5	7951	Sumita Sandip Bhasnkae	Bhasenkar	Bhasenkar	Bhasenkar	Bhasenkar	Bhasenkar	Bhasenkar	Bhasenkar	Bhasenkar	Bhasenkar	Bhasenkar
6	7756	Shital Shivaji Patil	Bhieey	Bhieey	Bhieey	Bhieey	Bhieey	Bhieey	Bhieey	Bhieey	Bhieey	Bhieey
7	7752	Maithili Sunil Ajagekar.	M.S.Ajagekar	M.S.Ajagekar	M.S.Ajagekar	M.S.Ajagekar	M.S.Ajagekar	M.S.Ajagekar	M.S.Ajagekar	M.S.Ajagekar	M.S.Ajagekar	M.S.Ajagekar
8	7758	Sankpal Kajal Baliram	KBankpal	KBankpal	KBankpal	KBankpal	KBankpal	KBankpal	KBankpal	KBankpal	KBankpal	KBankpal
9	8268	Sanjivani Rajaram Kamble	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)
10	8273	Tanuja Bajirao Salokhe	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)
11	8270	Mariya Mohammadshafi Maner	M.M.Maner	M.M.Maner	M.M.Maner	M.M.Maner	M.M.Maner	M.M.Maner	M.M.Maner	M.M.Maner	M.M.Maner	M.M.Maner
12	8272	Krushna C. Petkar	AB	KCPett	KCPett	KCPett	KCPett	KCPett	KCPett	KCPett	KCPett	KCPett
13	8265	Auanya Achyut Desai.	Ananya	Ananya	Ananya	Ananya	Ananya	AB	Ananya	Ananya	AB	AB
14	8267	Samikrha Rajaram Ekal.	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)
15	8266	Sanika Balvant Disale	(sign)	(sign)	(sign)	(sign)	(sign)	(sign)	AB	(sign)	(sign)	(sign)
16	8263	Pooja Pandurang Chavan	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	AB	Pooja	Pooja	Pooja
17	12010	Sushmita Abaso Bhosale	Bhosale	AB	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale
18	12023	Vinaya Vajanath Patil	AB	Vinaya	Vinaya	Vinaya	Vinaya	Vinaya	Vinaya	Vinaya	Vinaya	Vinaya
19	12020	Priyanka Balu Mali	Bmali	AB	Bmali	Bmali	Bmali	Bmali	Bmali	Bmali	Bmali	AB
20	12011	Dhanashri. R. Chavan	BChavan	BChavan	BChavan	BChavan	BChavan	BChavan	BChavan	BChavan	BChavan	AB
21	12019	Chaitali G. Magdum	GM	GM	GM	GM	GM	GM	GM	GM	GM	AB

Workshop on R - Programming Dt. 01.01.2025 to 11.01.2025
Attendance Report

Sr No	Roll No	Name of The Students	01.1.25	02.1.25	03.1.25	04.1.25	06.1.25	07.01.25	08.1.25	9.1.25	10.1.25	11.1.25
22		Namrata R. Katkar	NRK	NRK	NRK	AB	AB	AB	AB	AB	AB	AB
23		Rohan Balu Gurav	RBGurav	RBGurav	RBGurav	RBGurav	RBGurav	RBGurav	RBGurav	RBGurav	RBGurav	RBGurav
24		Vaibhav Sudheer Lokhande	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25		Vaibhav shrikant kore										
26		Shivraj Subhash salate	Qe	Qe	Qe	Qe	Qe	Qe	Qe	Qe	Qe	Qe
27		Prathmesh Ningappa Hannukoti	RNH	RNH	RNH	RNH	RNH	AB	RNH	RNH	RNH	AB
28	1512	Swapnali Suryakant sawant	Sawant	AB	Sawant	Sawant	Sawant	Sawant	Sawant	Sawant	Sawant	Sawant
29		Akshata Ravindra Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	AB
30		Neha Apayya Modgekar	Amodgekar	AB	Amodgekar		Amodgekar	Amodgekar	Amodgekar	Amodgekar	Amodgekar	AB
31		Maheshwari Pandurang kore	AB	More	More		More	More	More	More	More	More
32		Dnyaneshwari Namadev Khade	Khade	Khade	Khade		Khade	Khade	Khade	Khade	Khade	Khade
33		Prachi Uday Latane	PUL	PUL	PUL	PUL	Prachi	PUL	PUL	AB	PUL	Prachi
34		Janhavi S. Mane	Jane	Jane	Jane	Jane	Jane	Jane	Jane	Jane	Jane	Jane
35		Pratiksha T. Shinde	PShinde	PShinde	PShinde	PShinde	PShinde	PShinde	PShinde	PShinde	PShinde	PShinde
36		~~Kiran~~ Vishal K. Gorale	VGorale	VGorale	VGorale	VGorale	VGorale	VGorale	VGorale	VGorale	AB	AB
37		~~Krishna B. Gorale~~	~~Gorale~~	~~Gorale~~	AB	AB	A					
38		Pranali K. Mane.	Rmane	Rmane	Rmane	Rmane	Rmane	Rmane	Rmane	Rmane	RMane	AB
39		Gauri T. Dalvi	Dalvi	AB	AB	Dalvi	Dalvi	Dalvi	Dalvi	Dalvi	Dalvi	Dalvi
40		Prajwal Anil Mane	Mane PA	Mane PA	AB	Mane PA	Mane PA	AB	AB	Mane PA	AB	Mane PA
41		Gaurav Ashok keskar	Ga..	Ga..	AB	Ga..	Ga..	Ga..	Ga..	Ga..	AB	Ga..
42		shivtej Ramesh Tawale	AB	AB	AB	AB	Tawale	AB	AB	AB	AB	AB
43		Ganesh Vitthal khot	GVk	GVk	GVk	GVk	GVk	GVk	GVk	GVk	GVk	GVk
44		Patil Pratiksha Prakash	AB	AB	Ptil	Ptil	Ptil	AB	Ptil	Ptil	Ptil	AB
45		Shivam R. Pawar	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB

DEPARTMENT OF STATISTICS
One Week Workshop
On
R Software

Aim: To empower students with practical knowledge of R software, enabling them to apply statistical concepts and methods efficiently through data analysis and visualization techniques.
Objectives:

1. To introduce the fundamentals of R programming, including basic data structures, syntax, and operations.
2. To teach statistical analysis techniques in R, such as descriptive statistics, hypothesis testing.
3. To develop skills in data visualization for creating insightful graphs and charts.
4. To provide hands-on experience with real-world datasets, enabling students to apply theoretical concepts to practical problems.

Time & Date: 1ˢᵗ January 2025 to 11ᵗʰ January 2025(9:00AM)

Venue: Computer Lab I, Department of Statistics

Resource Persons: Dr. D. G. Godase, Assistant Professor, The New College, Kolhapur, Mr. S. B. More, Assistant Professor, YC College, Karad, Mr. A. B. Bhosale, Mr. A. P. Patil, Ms. A. M. Makandar, Ms. P. V. Ransubhe, Mr. D. D. Patil, Assistant Professors, Department of Statistics, Vivekanand College, Kolhapur
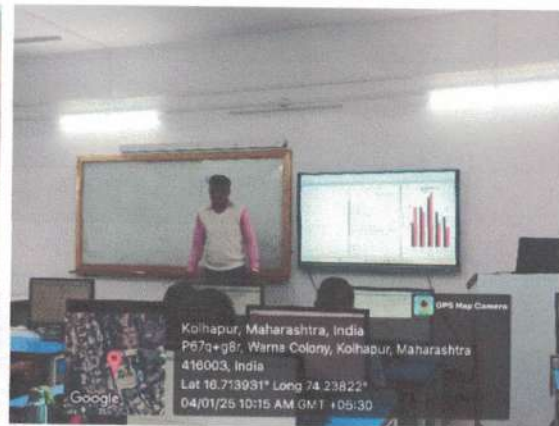
Number of Students: 44

Number of teachers: 07

Brief Introduction: The department of Statistics, Vivekanand College, Kolhapur conducted a "Workshop on R- Programming from 01ˢᵗ January 2025 to 11ᵗʰ January 2025. 44 students from B.Sc. II, III and M. Sc. I was participated in the workshop. After formal inauguration of workshop, Mr. A. B. Bhosale explained What is R, how to download and install it. He covered basic commands regarding creation of vector, operators like logical, assignment. He also explained how to import and export data files from R to other sources like .txt,.xlsx,.csv etc. On 4ᵗʰ January, Mr. S. B. More taught data visualization techniques and diagrammatic representation. He also covered exploratory data analysis. On 6ᵗʰ January, Ms. P. V. Ransubhe covered graphical representation of data and random number generation. On 7ᵗʰ January, Mr. A. P. Patil explained creation of data frame, matrix manipulation and operations on matrix through examples. On 9ᵗʰ January, Dr. D. G. Godase taught basic structure of R programming and codes. He also discussed and demonstrated installation of various packages. On next day, Ms. Ashiyana Makandar covered procedure of testing hypothesis through various tests such as

t.test, wilcox.test, chisq.test, etc. At the end of the workshop, Mr. D. D. Patil covered random number generation from various discrete and continuous probability distributions. In the valedictory function students shared their opinions about the workshop and mentioned its usefulness. The vote of thanks presented by Mr. A. B. Bhosale.

Outcomes:

After completion of this workshop,

- Students gained foundational knowledge of R, including its syntax, data structures, and core functionalities.
- Students able to apply statistical techniques, such as hypothesis testing, and descriptive statistics using R software.
- Students able to clean, manipulate, and analyse real datasets, preparing them for academic and professional challenges.

Mrs. V. C. Shinde

HEAD
DEPARTMENT OF STATISTICS
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