" ज्ञान विज्ञान आणि सुसंस्कार यासाठी शिक्षण प्रसार"
प. पू. शिक्षणमहर्षि डॉ. बापूजी साळुंखे

Vivekanand College Kolhapur (Autonomous)
Department of Statistics
Notice regarding Guest Lecture

Date: - 06/10/2024

All students of the Department of Statistics are hereby informed that there will be a guest lecture on **"Jackknife Method"** by Dr. Barale M. S. Assistant Professor, Department of Statistics, Central University, Rajasthan. on 9th October 2024 from 11:30 am in the Department of Statistics, Vivekanand College, Kolhapur

Note: The attendance of students is compulsory.

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

Vivekanand College, Kolhapur
(Empowered Autonomous)
Department of Statistics
Attendance

Subject: Guest Lecture on "Jack knife Method"

Day and Date: 10th October 2024   **Time: 11.30 am onwards**

Sr. No.	Roll No.	Name of the student	Class	Signature
1	1607	Pradnya S Kumbhar	MSc-II	Pkumbhar
2	1413	Samiksha M. Thorat	MSc-II	Smithat
3	1404	Darshan S. Kanise	MSC-II	
4	1609	Harshada P. mahadik	MSC II	mac
5	1617	Pallavi S Tele	MScII	Pele
6	1512	Sawant Swapnali S.	Msc I	Sawant
7	1501	Sushmita A. Bhosale	MSC I	Bhosale
8	1508	Pranali K. Mane	MScI	Pmane
9	1314	Neha A Modgekar	Msc I	Amodgekar
10	1602	Nirupama Desai	M.Sc II	Desai
11	1412	Sayali Shirde	M.SC II	SShirde
12	1408	Pratiksha Patil	M.SC II	BPatil
13	1618	Asmita Yadav	MSC II	Ayada
14	1403	Pankaj P. Jadhav	MSc. II	Pkjdhav
15	1407	Prajakta K. Patil	MSc II	Patil
16	1405	Saloni S. kurade	MScII	Skurade
17	1613	Srushti A Patil	MSC II	SAPatil
18	1402	Vinayak G chougale	MSCII	Fm
19	1410	swapnil Y. Patil	msc. II	Su
20	1601	Aditya K. Dalavi	msc II	Au
21	1382	Shivraj S. Sabale	M.SC. I	Sere
22	1310	Vaibhav shrikant Kore	M.SC. I	Kore
23	1311	Vaibhav sudheer Lokhande	M.SC-I	

24	1317	Tejas Balvant Patil	M·S·CI	Patil
25	1318	Trupti Vijay Patil	MSC-I	Patil
26	1301	Shital Ramesh Davae	M·SC-I	Shital
27	1308	Dnyaneshwari N. khade	—॥—	Khade.
28	1304	shivtej ramesh Jawale	॰॥—	Jawale
29	1803	Rohan Balu Gurav	—॥—	RBGurav.
30	1307	Gaurav Ashok keskar	—॥—	Gur.
31	1319	Shivam Raju Pawar	—॥—	Pawar
32	1312	Prajwal. Anil. Mane	—॥—	Mane PA
33	1507	Chaitali Gundesh Magdum	—॥—	GM
34	1500	Vinaya Vaijanath Patil	—॥—	Vinaya
35	1505	Swapnali P. Jadhav	—॥—	SPJ
36	1309	Maheshwari. P. Kore	—॥—	Kore
37	1311			
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DEPARTMENT OF STATISTICS
Online Guest Lecture
on
"Jack Knife Method"

- **Aim:** To learn about 'Jack Knife Method'.
- **Objectives:**
  1) Understand the fundamental concept and process of the Jackknife as a resampling technique.
  2) Learn how to use the Jackknife to estimate bias and variance for various statistics.
  3) Be able to differentiate between the Jackknife and Bootstrap methods, recognizing when to apply each.
  4) Gain practical insights into using the Jackknife method for small sample sizes and dependent data.
- **Time & Date: Wednesday 9th Octo. 2024 (At 11.30 am onwards)**
- **Venue:** Department of Statistics
- **Resource Person:** Dr. M.S. Barale, Assistant Professor, Department of Statistics, Central University, Rajasthan.
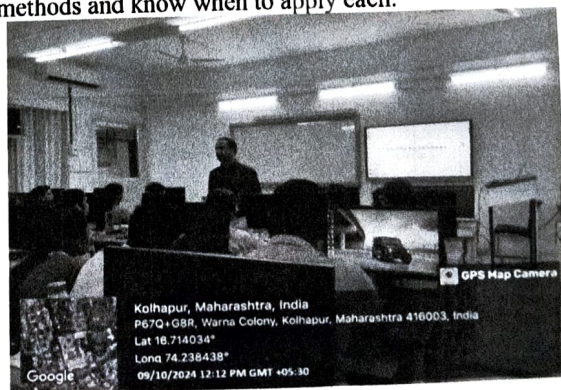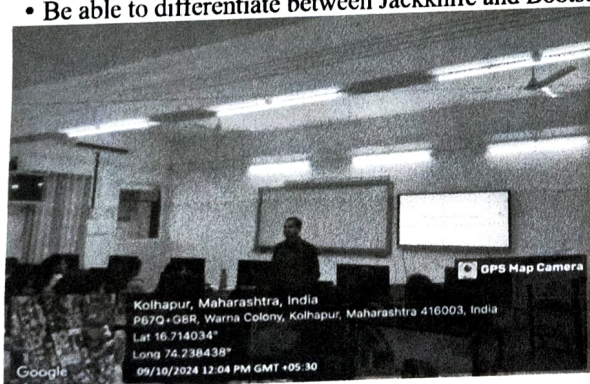- **Number of Students** – 36   Number of Teachers: 2
- **Brief description:**
  Dr. M.S. Barale, Assistant Professor, Department of Statistics, Central University, Rajasthan, delivered lecture on held on Jack Knife Method on 9th October, 2024. In his lecture, he explained Jackknife Method as a resampling technique used to estimate the bias and variance of a statistic by systematically leaving out one observation at a time from the dataset. He elaborated on applications, and comparison with the Bootstrap Method, emphasizing its simplicity and effectiveness, especially in small sample sizes. Practical examples would demonstrate its use in reducing bias and improving the accuracy of statistical estimates.

  The vote of thanks was presented by Mr. A. B. Bhosale.
- **Outcomes:**
  After the guest lecture students,
- Understood how to apply the Jackknife technique to estimate bias and variance.
- Recognize its usefulness for small sample sizes and dependent data.
- Be able to differentiate between Jackknife and Bootstrap methods and know when to apply each.