

One day Workshop on "Use of MS-Excel for Statistical Analysis of Data"

Activity Report



Janata Shikshan Sanstha's Kisan Veer Mahavidyalaya, Wai

Department of Statistics

One day Workshop on

"Use of MS-Excel for Statistical Analysis of Data"

Under MOU and Lead college scheme

REPORT



The Department of Statistics organized a workshop on "Use of MS-Excel for Statistical Data Analysis" for B.Sc. Part I, II, and III students on 17th March 2025. The workshop commenced with an inaugural function, where Miss. Ashwini Gaikwad introduced the theme and the resource person. The Principal welcomed the resource person. The resource person highlighted the importance of MS-Excel in statistical data analysis. In his presidential address, the I/C Principal emphasized the wide applicability of statistics in fields such as business, healthcare, research, and technology, encouraging students to pursue skill enhancement courses in statistics to boost their career prospects. The vote of thanks for the inaugural session was delivered by Miss. N. B. Raut.

The technical session I was conducted by Miss. Madhuri Ashok Mulik, Assistant Professor and Head, Department of Statistics, LBS College Satara. The session provided both theoretical concepts and practical applications of Excel for statistical data analysis. A total of 22 students actively participated. Miss. Mulik began by explaining the concept of data and statistics, defining data as raw facts and statistics as the science of collecting, analyzing, and interpreting data to make informed decisions. She emphasized the importance of statistics in decision-making, business forecasting, and research. The session focused on smart data analysis using Excel, demonstrating how built-in functions simplify complex statistical calculations. The speaker stressed the importance of adapting statistical tools as data patterns evolve.

In session II, the resource person guided students through the calculation of descriptive statistics in Excel, including mean, median, mode, standard deviation, and variance. She explained central tendencies with real-life examples: mean for calculating average sales or expenses using `=AVERAGE()`, median for skewed data like income distribution with `=MEDIAN()`, and mode to identify the most frequent value, helpful in customer preference analysis using `=MODE()`. The session also covered skewness and kurtosis: skewness measuring the asymmetry of data distribution (positive for longer right tail, negative for left tail) and kurtosis indicating the tailedness of data, with high kurtosis showing more outliers.

To enhance comprehension, the speaker demonstrated data visualization techniques in Excel, including histograms, box plots, and line charts, helping students interpret patterns effectively. She emphasized the importance of simplifying statistical results for non-statisticians by using plain language and visual aids rather than technical jargon. To apply their learning, students were assigned a task to analyze their household budget distribution using Excel. They calculated central tendencies, visualized the data, and interpreted whether their spending was symmetrical or skewed.

At the end of the session, some students shared their positive feedback, appreciating the practical and insightful nature of the workshop. The event concluded with a vote of thanks by Miss. Ashwini Gaikwad, who acknowledged the speaker's expertise and encouraged students to actively apply their statistical knowledge in real-world scenarios. The Department of Statistics expressed its gratitude to Miss. Madhuri Ashok Mulik for her valuable contribution and guidance in enhancing students' skills and career prospects.


Head




Principal

Permission Letter

Department of Statistics
Kisan Veer Mahavidyalaya, Wai
Date: 12/03/2025

To,
The Principal,
Kisan Veer Mahavidyalaya, Wai.

Subject: Regarding Permission for organizing workshops on March
17 and March 18, 2025 ...


Respected Sir,

Our department is going to two workshops on use of MS-Excel and R software for statistical analysis of data for classes B.Sc. part I, II and III under the lead college scheme on March 17 and March 18, 2025 respectively. So please allow us for organizing the workshops.

Thanking you

Yours faithfully

भा. प्रचार्य यांत, परवानगीसाठी सादर
12/03/2025

for 
Head
Department of Statistics
Kisan Veer Mahavidyalaya, Wai

Allowed
Bawant
12/3/2025

Invitation Letter



Kisan Veer Mahavidyalaya, Wai

Janata Shikshan Sanstha's
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Index No. : J21.11.001



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Janata Shikshan Sanstha, Wai

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Shri. Shankarrao Dajiba Gadhave
Vice-President
Janata Shikshan Sanstha, Wai

Shri. Madan Prataprao Bhosale
President
Janata Shikshan Sanstha, Wai

Ref. No. : 266/1225

Date : 12 MAR 2025

To,
Miss. Madhuri Ashok Mulik
Assistant Professor,
Department of Statistics,
Lal Bahadur Shastri College, Satara.

Subject: Invitation as a Resource Person

Respected Madam,

Various Student-oriented activities are being organized in our college through various Departments. In continuation of this, we are organizing a workshop on 'Use of MS-Excel for Statistical Analysis of Data' under lead college scheme to create awareness among the students about statistical analysis of data.

We know that you are the expert in this area and we wish to make avail your expertise to our students. From this point of view, we are glad to invite you as a Resource Person to talk on 'Use of MS-Excel for Statistical Analysis of Data'. The programme is scheduled on Monday, March 17, 2025.

Kindly accept our invitation. Thanking you.


Principal,

Kisan Veer Mahavidyalaya, Wai

Table Program

Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
One Day Workshop on
'Use of Ms-Excel for Statistical Analysis of Data'
Organized by

Department of Statistics
Under Lead College Activity

Date: 17th March, 2025

Venue: Computer Laboratory

Inaugural Function

Welcome and Introduction : Mr. B. B. Patkure
(Head, Department of Statistics)

Guest Introduction : Miss. A.S. Gaikwad

Keynote Address : Miss. Madhuri Mulik,
HOD Statistics,
LBS College, Satara

Presidential Address : Prof. Dr. Sunil Sawant
I/C Principal,
Kisan Veer Mahavidyalaya, Wai

Session I

Resource Person : Miss. Madhuri Mulik.

Session II

.Resource Person : Miss. Madhuri Mulik

Vote of Thanks : Miss N.B. Raut

Student's Attendance

Workshop On
" Use of MS-EXCEL for Statistical Analysis of Data "

Date : 17/03/2025

Session - 1

Sr. No.	Name	Class	Roll No.	Sign
1.	Tanishka Shinde	BSC-III	127	<u>Shinde</u>
2.	Harshada A. Dhamal	-II-	128	<u>Dhamal</u>
3.	Ruchita R. Nikam	BSC-II	74	R.R.Nikam
4.	Anuja B. Pawar	BSC-II	51	<u>Pawar</u>
5.	Akanksha nikam	BSC-I	71	<u>Akanksha</u>
6.	Amruta Gadhave	BSC-I	11	<u>Gadhave</u>
7.	Siddhi Jadhav	BSC-I	19	<u>Jadhav</u>
8.	Vaishnavi Sawant	BSC-I	70	<u>Sawant</u>
9.	Sandhita more	BSC-III	121	<u>More</u>
10.	Sonal Mahamuni	-II-	123	<u>Mahamuni</u>
11.	Sanika Yadav	-II-	122	<u>Yadav</u>
12.	Tanuja Pisal	-II-	134	<u>Pisal</u>
13)	Bhise Priti Santosh	BSC-I	22	<u>Bhise</u>
14)	Jadhav Divya Titendra	BSC-I	20	<u>Jadhav</u>
15]	Jadhav Sakshi Sachin	Bsc-III	124	<u>Jadhav</u>
16]	chavan Anuradha Krushnat	-II-	132	<u>Chavan</u>
17)	onkar sunil keskar	BSC-II	80	<u>onkar keskar</u>
18)	Om Shivaji Kadam	Bsc-II	63	<u>Kadam</u>
19)	Shambhuraaj R. Nikam	Bsc-III	125	<u>S.R.Nikam</u>
20)	Dudhe Siddhi Anish	BSC-II	18	<u>Dudhe</u>
21]	Gole Sakshi Krushna	B. SC-II	50	<u>Gole</u>
22)	Vedant Sachin Veer	BSC-I	162	<u>V.S.Veer</u>
23)	Dorke Aryan Narayan	BSC-I	113	<u>Aryan</u>

Date : 17/03/2025 Session: 2

Sr. No	Name	Class	Roll No	Sign
1.	Tanishka Shinde	Bsc-III	127	Shinde
2.	Harshada A. Dhamol	-II-	128	Harshada
3.	Ruchita R. Nikam	BSC II	74	R.R. Nikam
4.	Anuja B. Pawar	BSC II	51	Pawar
5.	Akanksha nikam	BSC-I	71	Akanksha
6.	Amruta Gadhave	BSC-I	11	Gadhave
7.	Siddhi Jadhav	BSC-I	19	Jadhav
8.	Vaishnavi Sawant	BSC-I	70	Sawant
9.	Sanchita more	BSC-III	121	More
10.	Sonal Mahamuni	-II-	123	Gadhamuni
11.	Sanika Yadav	-II-	122	Yadav
12.	Tamuja Pisal	-II-	134	Pisal
13.	Bhise Prati Santosh	BSC2	22	Bhise
14.	Jadhav Divya Jitendra	BSC-I	20	Jadhav
15.	Jadhav Sakshi Sachin	BSC-III	124	Jadhav
16.	Chavan Anuradha Krushnat	-II-	132	Chavan
17.	Onkar sunil keskar	BSC-II	80	Onkar
18.	Vedant Suresh Bhosale	BSC-III	133	Bhosale
19.	Om Shivaji Kadam	BSC-II	63	Kadam
20.	Shambhuraj R. Nikam	BSC-III	125	S.R. Nikam
21.	Dudhe Siddhi Atish	BSC II	18	Dudhe
22.	Gole Sakshi Krushna	BSC II	50	Gole
23.	Vedant Sachin Veer	BSC-I	162	V.S. Veer
24.	Doxke Aryan Narayan	BSC-I	113	Arjan

Thanking Letter



Janata Shikshan Sanstha's **Kisan Veer Mahavidyalaya, Wai**

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Vice-President
Janata Shikshan Sanstha, Wai

Shri. Madan Prataprao Bhosale
President
Janata Shikshan Sanstha, Wai

Ref. No. : 40/1314

Date : 26 MAR 2025

To,
Miss. Madhuri Ashok Mulik
Assistant Professor,
Department of Statistics,
Lal Bahadur Shastri College, Satara .

Respected Madam,

We are thankful to you for accepting our invitation and guiding the students in the workshop on 'Use of MS-Excel for Statistical Analysis of Data' for B.Sc. Part I, II and III organized by Department of Statistics under lead college scheme of our college held on 17th March, 2025.

Your presentation was quite enlightening. Your views will go a long way in motivating our students.

Thinking together we can move forward. Ideas don't need any legs to stride but they need strength and support to translate all the promises to real life. Our association will definitely work in this way. Madam, we feel indebted to you and look forward to your continued guidance.

Thanking you.

Yours sincerely,

Principal

Geo tagged Images

