


Yashwantrao Chavan College of Science, Karad

BEST PRACTICES ACTIVITY REPORT 2023-24

Name of the Department: Statistics		Activity Duration: Dec-2023 to Feb-2024	
Name of the Activity	Experimental Learning for Students Using Case Study Approach		
Purpose of Activity	<ol style="list-style-type: none">1. To connect student's academics to the real-life situations.2. To develop skill of data collection, analysis, interpretation among the students.		
Title of the Activity	Study on "Availability, Consumption & Quality of Domestic Water at Saidapur and Banwadi Gram panchayat Region".		
No. of Students Involved	25		
Teachers Involved	<ol style="list-style-type: none">1. Mr. S. B. More2. Miss. R. D. Patil3. Mr. O. D. Patil		
Activity outcomes	<ol style="list-style-type: none">1. Average consumption of water per month per family (in Liters) at Saidapur and Banwadi region are 21464 liters and 24779 liters respectively.2. Average consumption of water per person per day (in Liters) at Saidapur and Banwadi are 187.56 liters 184.9 liters respectively and its quite high.3. Families are highly satisfied about the quality of drinking water.4. The results of the regression model of average consumption of water per month per.5. Family shows that family size and Richness index are Statistically Significant.6. Water cost per liter is very low and it is the main reason of high consumption and wastage of water.		
Activity Photo			

Done

HEAD
Department of Statistics
Yashwantrao Chavan College of Science,
Karad



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Principal
Yashwantrao Chavan College of Science
Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE KARAD

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Department of Statistics

Availability, Consumption, and Quality of Domestic Water in My Locality

Questionnaire

No. of Connections: 1

Location: Saidapur Banwadi

- 1) How often do you experience water shortages in your area?
 ii) Frequently (ii) Sometimes (iii) Never
- 2) Does the water supply decrease in summer? i) Yes ii) No
- 3) What are your other resources other than Gram-panchayat water supply?
 ii) Yes (..... बोर)
 ii) No
- 4) Lifting water through, i) Automatic ii) Motor
- 5) How would you evaluate the quality of your drinking water?
 ii) Good ii) Acceptable iii) Not Acceptable
- 6) Muddy in water?
 ii) High ii) Low iii) Not at all
- 7) Are you using water purifier?
 ii) Yes ii) No
- 8) How many people live in your household?

Total	Men	Women	Children
3	1	1	1

- 9) What is the capacity of your water tank in Liters? (if more than one then adds) ...500.....
- 10) How many days does it lasts before you have to refill it again?.....daily.....
- 11) Do you have an automatic system to cut of water supply after filling up the tank completely? ...yes.....
- 12) No of Vehicles in your house? Two wheelers:1..... Four wheelers:-.....
- 13) How many times in a month do you wash your vehicles?2 weeks.....
- 14) Garden/ Kundi Garden? (Observe) Yes.....4.....No.....
- 15) Number of plants in garden (Observe it)?
 Small..... Medium..... Large.....3.....

16) Water gardening frequency?

- iii) Daily
- ii) Weekly
- iii) Twice in a month

17) What type of washrooms do you have ? i) Western ii) Indian

18) Do you use Bathroom Shower? i) Yes ii) No

19) Do you use washing machine? Yes ii) No

20) Electricity bill per month(in Rs.) 450

21) How long does one gas cylinder last(in month) ... 1 months .

22) Water bill per month (in Rs.) 150

23) Water consumption for the Year 2023. (From Gram panchayat Water Bill)

Month	Consumption of water in (Liters)	Days they didn't used water	Reason for outliers
January] 1533.		-
February			
March] 1616.		-
April			
May] 1261		-
June			
July] 2493		-
August			
September] 1228		-
October			
November] 1156.		-
December			

Any suggestions i) ... Purification of water .

iv)

sohom mane Som
Abhijit mane A.S.Mane

Data Collector