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### Analysis of Students' Satisfaction with Hostel Facilities: A Case Study

M. MEMON, M. A. SOLANGI, S. ABRO

Department of Basic Sciences & Related Studies, Mehran University of Engineering and Technology, Jamshoro.

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**Abstract:** Though now a days Hostel life is much essential for students but still there are some restrictions. There are many complications in the hostel life. For this purpose, we investigate the student's satisfaction with hostel facilities. During the analysis, the student's feedback for the hostel facilities for the year 2015 and 2016 were taken and the data has been collected from the Director Management Information System (MIS). Statistical Package for Social Sciences (SPSS17) was used to analyze and shows the overall students satisfaction regarding hostel facilities. The results indicated that there is strong evidence of significance relationship between the results of the parameters (Food Quality, Cleanliness, Water supply and First aid) services. The null hypothesis is accepted except for only two parameters of Shah Abdul Latif, Shaikh Sindhi and Bakhtawar hostels.

Keywords: Hostel Life, facilities, Students

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# **INTRODUCTION**

The hostel is usually used for the residence of students and travellers in some countries, but especially in our country, the hostel residential students of the universities and the warden & the other staff who are managed the hostels. Hundreds of students consist in the hostel. A group of students makes all of them. These students came from the different countries, provinces, When Pakistan becomes districts and cities. underdeveloped country, a little amount is only kept for the education department in budget; further education supports easily to get to in developing and massive most cities of our country. No doubt, the student wants keep necessary for the hostels in the further studies. In our country, the hostel contributes a main function in the academic excellence of students. Hostel are supporting to residential resources for the students to maintain the development of studies. Students living in hostels face a lot of problems and hurdle such as some economic crises, adjustment issues, private issues and stress from family, changes in food quality and sleeping habit and many other different problems. Studies refer that understanding the selfishness behaviour, affecting strength shown more in hostel student. The Hostel atmosphere provides associate degree chance for the best behaviour in among students. During living in hostel student share their private problems and issues each other and learn innovative thoughts from their hostel mates. Hostel life inspires the students in about different views and perception about truth. Hostel life makes student a lot of ambition; those students who live in the hostels are more independent and have a more confident than others. In hostel students learn daring

and spirit from the other student and might be support student to face professional life more effectively. It has been observed that, "Hostel life has an important impact on their way of life". Hostel life is a mixture of values and culture. A survey on hostel wants collect the view of a person. It also shows the different positive and negative outcome of a hostel life. There preferred quote "Times change, people changes". Hostel life is only about to modify approach of student and its impact on the temperament, social thinking and students attitude. In hostel life all student need for suit the students stay within hostel. After getting into the university hostel scholars improve depression, dare, discontent, bad temper and others. At home students have independent among sure restrictions; they are provided and secure several issues from their parents. In hostel student face the issues within hostel moreover within university because of lack of sufficient support. Within the first stage the student in hostel area unit all initially one another, even their room partners. Therefore, student face issues with brick, adjust, helping with other because there is also distinction in different languages, lifestyle, belief, temperament and others. Among a brief amount, but a part of subsume others, modify with other and share with other instantly to the room partner. Some foals, but issue during that and leads to depression among all of them. It interferes with their daily activity and it get express in their action and thinking. Depression indicative mismanagement founding among all age teams and groups. Depression recorded during the past days and describe that the area unit currently referred to as mood disorders are often found in several ancient documents.

++Corresponding AuthorEmail: <u>muteeullahtahiri@gmail.com</u>, <u>anwar.solangi@faculty.muet.edu.pk</u>, <u>abrosaifullah@yahoo.com</u>

A hostel is like a family of students with the warden as the head. Students build up a sense of closeness and fellow impression. Students learn the value of regulation. It teaches them a good judgment of liability in matters of taking heed of books, clothes and health. Every Semester, students is required to fill up a student feedback form based on a hostel. This feedback is frequently complete at the end of each semester. It is used as a tool to measure hostel environment and improve the quality of hostel management. It has both positive and negative aspects. Someone residing in hostel studies with full concentration and gets facilitated from the guy or senior students. You've got to face after you enter the faculty hostel to share your area with a space partner. I hope you will never share your area with anyone; this alteration would be quite troublesome to you. Your roommate might hail from a joint family and never tried to stay personal surroundings within the room. But there are several issues that are faced to the hostler. The main problems are faced to the hostler is Food Quality, Cleanliness in the Hostel, Water Supply and First Aid Facilities. The food should be sanitary as a result of the food is the one that is the demand of everybody and if the food provided in the hostel is non sanitary the student don't seem to be even wish to remain in hostel as a result of that ends up in their health and as we tend to all understand the health is wealth. Also the water facility is usually being there and for drinking the water should be pure and a minimum of ten students there will be one water purifier. There even is a geyser for winter season. The Cleanliness is the main and important factor in a hostel. It plays a vital role for healthy environment. So, the maintenance of the cleanliness is the hostel must be good. The hostel should have the twenty-four hours First Aid service with one ambulance present in a hostel. During this case girl's hostel is during a better position as a result of them need this facility available all the time. We have a tendency to conduct a survey and gift many problems to the hostel life through a survey. This methodology of knowledge assortment is kind of popular, significantly just in case of massive inquires. It is being adopted by non-public people, research workers, non-public and public organization and even by governments.

## 2. <u>METHODOLOGY</u>

The existing study were consists the students of nine hostels (both boys and girls). The total sample of students taken were 50. The data was investigated by applying statistical tools like regression line and correlation. The independent z-test was applied to test the significance between the results.

The formula for coefficient of correlation is

$$r = \frac{n\sum XY - \sum X\sum Y}{\sqrt{\left[n\sum X^2 - \left(\sum X\right)^2\right]\left[n\sum Y^2 - \left(\sum Y\right)^2\right]}}$$

The equation of linear regression line is obtained from the relation Y = a + bX,

Where intercept of the line is:

$$b = \frac{n \sum XY - \sum X \sum Y}{n \sum X^2 - (\sum X)^2}$$

And slope of the line  $= a = \overline{Y} - b\overline{X}$ .

The formula for independent z-test is:

$$Z = \frac{(\overline{X}_1 - \overline{X}_2)}{\sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_1}}}$$

$$S_e = \sqrt{\frac{\sum y_i^2 - a \sum y_i - b \sum x_i y_i}{(n-2)}}$$

$$S_b = \frac{S_e}{\sqrt{\sum x_i^2 - \frac{(\sum x_i)^2}{n}}}, \text{then:}$$

$$t = \frac{b}{S_b}$$

ANOVA is used to test the significance mean difference among the results.

Null Hypothesis is set to test the significance of the results with 95% confidence interval.

Null hypothesis: $H_0$  = there is a significance relationship between the results.

### 3. **RESULTS AND DISCUSSION**

(**Table-1**) showing the equations of regression lines, trend lines and the coefficient of correlation of four parameters for the four semesters.

(Table-2) showing the hypothesis test values at 95% confidence interval for the population mean for the results of nine hostels in four semesters. The table shows that the hypothesis  $H_0$  is rejected for three hostels (Shah Abdul Latif, Shaikh Sindhi and Bakhtawar) and accepted for six hostels (Abdul Qadeer Khan Afghan, G. M. Syed, Hyder Bux Jatoi, Rashidi, Sachal Sarmast and Beenazir).

(Fig.1) showing the bar charts for the averages for the year 2015 and 2016 for the nine hostels. It is clearly showed that the averages of all semesters does not unique.

(**Fig.2**) All four trend lines for four parameters has increasing trend with greatest regression of 0.9522.

S. No	Hostel	Parameter	Eq. of regression line	Coefficient of	Trend Line	Remarks
1	A Q K Afghan	Food	Y = 0.156 X + 2.08	0.7471	Y = 0.156 X + 2.08	Increasing
		Cleanliness	Y = 0.148 X + 2.07	0.8171	Y = 0.148 X + 2.07	Increasing
		Water Supply	Y = 0.26 X + 1.67	0.9039	Y = 0.26 X + 1.67	Increasing
		First Aid	Y = 0.478 X + 1.12	0.8700	Y = 0.478 X + 1.12	Increasing
2	G.M.Syed	Food	y = -0.196x + 2.96	0.4568	y = -0.196x + 2.96	Decreasing
		Cleanliness	y = 0.158x + 2.08	0.6903	y = 0.158x + 2.08	Increasing
		Water Supply	y = 0.168x + 2.22	0.8954	y = 0.168x + 2.22	Increasing
		First Aid	y = 0.024x + 2.67	0.2362	y = 0.024x + 2.67	Increasing
3	HyderBuxJatoi	Food	y = 0.112x + 2.22	0.5668	y = 0.112x + 2.22	Increasing
		Cleanliness	y = 0.216x + 1.81	0.7806	y = 0.216x + 1.81	Increasing
		Water Supply	y = 0.352x + 1.52	0.8948	y = 0.352x + 1.52	Increasing
		First Aid	y = 0.338x + 1.83	0.8851	y = 0.338x + 1.83	Increasing
-	Rashidi	Food	y = 0.286x + 1.75	0.8073	y = 0.286x + 1.75	Increasing
4		Cleanliness	y = 0.228x + 1.92	0.7423	y = 0.228x + 1.92	Increasing
		Water Supply	y = 0.164x + 2.03	0.9481	y = 0.164x + 2.03	Increasing
		First Aid	y = 0.17x + 2.27	0.9447	y = 0.17x + 2.27	Increasing
5	SachalSarmast	Food	y = 0.366x + 1.39	0.8683	y = 0.366x + 1.39	Increasing
		Cleanliness	y = 0.296x + 1.7	0.9122	y = 0.296x + 1.7	Increasing
		Water Supply	y = 0.346x + 1.63	0.8448	y = 0.346x + 1.63	Increasing
		First Aid	y = 0.414x + 1.45	0.7521	y = 0.414x + 1.45	Increasing
	Shah Abdul Latif	Food	y = -0.06x + 2.8	1.00	y = -0.06x + 2.8	Decreasing
6		Cleanliness	y = 0.11x + 2.31	0.7163	y = 0.11x + 2.31	Increasing
		Water Supply	y = 0.582x + 1.2	0.9701	y = 0.582x + 1.2	Increasing
		First Aid	y = 0.254x + 1.91	0.9124	y = 0.254x + 1.91	Increasing
7	Shaikh Sindhi	Food	y = 0.154x + 2.36	0.8315	y = 0.154x + 2.36	Increasing
		Cleanliness	y = 0.084x + 2.42	0.9844	y = 0.084x + 2.42	Increasing
		Water Supply	y = 0.018x + 2.75	0.2161	y = 0.018x + 2.75	Increasing
		First Aid	y = 0.11x + 2.56	0.46	y = 0.11x + 2.56	Increasing
8	Bakhtawar	Food	y = 0.472x + 1.05	0.9229	y = 0.472x + 1.05	Increasing
		Cleanliness	y = 0.416x + 1.25	0.7330	y = 0.416x + 1.25	Increasing
		Water Supply	y = 0.336x + 1.49	0.9841	y = 0.336x + 1.49	Increasing
		First Aid	y = 0.498x + 1.08	0.8590	y = 0.498x + 1.08	Increasing
9	Beenazir	Food	y = 0.224x + 1.96	0.9194	y = 0.224x + 1.96	Increasing
		Cleanliness	y = 0.242x + 1.92	0.8858	y = 0.242x + 1.92	Increasing
		Water Supply	y = 0.21x + 2.09	0.9175	y = 0.21x + 2.09	Increasing
		First Aid	y = 0.154x + 2.57	0.5952	y = 0.154x + 2.57	Increasing

Table 1: The equations of Regression Line and Trend Line with Coefficient of Correlation

# Table 2: Hypothesis Test Results

S. No	Hostel	Parameter	Standard Error S <sub>b</sub>	Test-Statistic	Hypothesis
			0.040484	$t = b/S_b$	$(t = \pm 1.96)$
		Food	0.219454	0.710856	ACCEPT
1	A Q K Afghan	Cleanliness	0.165045	0.896723	ACCEPT
		Water Supply	0.194422	1.337296	ACCEPT
		First Aid	0.428182	1.116347	ACCEPT
		Food	0.603457	-0.3248	ACCEPT
2	G.M.Syed	Cleanliness	0.261801	0.603511	ACCEPT
		Water Supply	0.132061	1.272143	ACCEPT
		First Aid	0.156077	0.15377	ACCEPT
		Food	0.257371	0.435169	ACCEPT
3	HyderBuxJatoi	Cleanliness	0.273423	0.789985	ACCEPT
		Water Supply	0.277561	1.268191	ACCEPT
		First Aid	0.280963	1.203007	ACCEPT
4		Food	0.330545	0.865238	ACCEPT
	Rashidi	Cleanliness	0.325331	0.700826	ACCEPT
		Water Supply	0.086948	1.886179	ACCEPT
		First Aid	0.093274	1.822591	ACCEPT
		Food	0.330545	1.107262	ACCEPT
5	SachalSarmast	Cleanliness	0.210143	1.408566	ACCEPT
		Water Supply	0.346497	0.998566	ACCEPT
		First Aid	0.573463	0.72193	ACCEPT
		Food	0.1102	-0.54446461	ACCEPT
6	Shah Abdul Latif	Cleanliness	0.169411	0.649309	ACCEPT
		Water Supply	0.230087	2.529479	REJECT
		First Aid	0.180167	1.409806	ACCEPT
		Food	0.162665	0.946729	ACCEPT
7	Shaikh Sindhi	Cleanliness	0.023664	3.549648	REJECT
	~	Water Supply	0.128608	0.13996	ACCEPT
		First Aid	0.335708	0.327666	ACCEPT
8		Food	0.311191	1.516752	ACCEPT
	Bakhtawar	Cleanliness	0.610213	0.681729	ACCEPT
Ŭ	Duinita vui	Water Supply	0.095708	3.510682	REJECT
		First Aid	0.469191	1.061402	ACCEPT
		Food	0.151526	1.478298	ACCEPT
0	Boonsgin	Cleanliness	0.20035	1.207888	ACCEPT
, ,	Dechazh	Water Supply	0.143875	1.459601	ACCEPT
		First Aid	0.328725	0.468477	ACCEPT



Fig. 1: Parallel bar chart for the averages of four parameters

Fig.02: Trend Lines of four Parameters for four semesters

4.

# **CONCLUSION**

From the above investigated study, it is concluded that there is strong significance relationship between the results of the parameters (Food quality, Cleanliness, Water supply and First aid services) for the students often hostels. Hence the null hypothesis $H_0$  is rejected for these hostels and accepted for only six hostels. It is also presented that the averages of the students in the hostels regarding parameters in not unique (nor increasing neither decreasing), although the trend is increasing. The results imply that, the student hostels and the university management need to deliver quality service and offer better hostel facilities in order to improve student's services.

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