

Chapter 3

DATA ANALYSIS

Data analysis is an important and integral part of a research. A researcher formulates a research plan and during its implementation, generates the data relating to the research problem keeping in view the research objective. The data may be generated through primary sources, secondary sources or through both the methods. The data so collected is systematized, collated and then analyzed by adopting relevant tools. Data analysis forms the basis of drawing conclusions and observations about the study. Thus, data analysis is a crucial stage.

The objective of the present study has been to know the level of awareness of college students in Rewari town of Haryana state toward the NRHM. Primary data relating to the present study has been generated in accordance with the research plan. A total of 500 respondents (students) from the seven colleges of Rewari town of Haryana state were identified and primary data have been generated through an interview schedule, a copy of which is enclosed to the present research report of annexure -1.

The researcher contacted all the 500 respondents to administer the interview schedule. But despite her best effort, primary data could be generated from only 403 respondents; Rest of the 97 selected respondents did not cooperate and denied to respond to the interview schedule. Among these 97 students, 50 were from arts courses, 21 were from science courses, 20 were from commerce courses and 6 belonged to the professional courses; No student from the teacher education courses denied filling up the questionnaire. Among these 97 respondents, 56 were female and 41 were male; 27 of them hailed from urban areas and 73 belonged to the rural area. Collected data have been systematized, tabulated and analyzed with the help of t-test in the present

chapter. This test has been used to know whether significant difference exists in the level of awareness of male and female student, of students from rural and urban areas, as also of students from different steams such as arts, commerce, science, professional courses and teacher education.

Table- 4.1 shows the level of awareness about NRHM provisions among the male and female students and among the students from rural and urban areas

Level of awareness about provisions of NRHM

Table 4.1

Urban area			Rural area		
Low	male	Female	Male	female	total
195	47	148	101	94	
	(37.3)	53.43	41.56	58.75	48.39
Medium					
203	74	129	137	66	
	58.73	46.57	56.38	41.25	50.37
High					
5	5	0	5	0	
	3.97	0	2.06	0	1.24
Total					
403	126	277	243	160	
	31.27	68.73	60.3	39.7	

Note: figures in parentheses indicate percentage Sources; primary survey conducted in April 2013

Table- 4.1 indicates that half (50.37 percent) of all the selected Students have medium level of awareness about provisions of NRHM and a little less than half (48.39 percent) have low level of awareness. The remaining only 1.24 percent of the selected students all of whom are male and all of whom belong to the rural areas – possess high level of awareness about Provisions of NRHM.

Of the total 126 selected male students, 37.30 percent have low level of awareness, 58.73 percent possesses medium level of awareness and the remaining 3.97 percent possesses high level of awareness about Provisions of NRHM. Amongst the 297 selected female students, majority (53.43 percent) possesses low level of awareness whereas the remaining 46.57 percent have medium level of awareness.

The Table also indicates that out of the 243 selected students belonging to the rural areas , majority (56.38 percent) have medium level of awareness, 41.56 percent level of awareness. From amongst the selected students belonging to urban areas, majority (58.75 percent) possess low level of awareness about Provisions of NRHM while the remaining 41.25 percent possess medium level of awareness.

The level of awareness about provisions of NRHM among the college students of different streams of Rewari town is shown in table 4.2 and the same has been analyzed below.

Table-4.2**Level of awareness of the students of different streams on NRHM**

level of teacher	Arts	commer e	science	professional course	Total
Low	98	41	17	26	195
13	50.78	64.06	27.42	44.07	52
Medium	94	21	43	33	203
12	48.7	32.81	69.35	55.93	48
High	1	2	2	0	5
0	0.52	3.13	3.23	0	0
Total					
25	193	64	62	59	403

Note: Figures in parentheses indicate percentages Source: Primary survey conducted in April 2011

Table 4.2 indicates the level of awareness between streams. In Arts stream 50.78 per cent students are having low awareness, 48.70 per cent students are having medium awareness and 0.52 per cent students are having high awareness about the provisions of NRHM. In Commerce stream 64.06 per cent students are having low awareness, 32.81 per cent students are having medium awareness and 3.13 percent students are having high awareness about provisions of NRHM. In science stream 27.42 per cent students are having low awareness, 69.35 per cent students are having medium awareness and 3.23 per cent students are having awareness about the provisions of NRHM .In professional courses students 44.07 percent students are having low awareness, 55.93 per cent students are having medium awareness and no one students

has high awareness about the provisions of NRHM. In Teacher Education stream 52.00 per cent students are having low no one students has high awareness about the provisions of NRHM. Thus it may be concluded that Science stream students are most aware and Commerce stream students are least aware about the provisions of NRHM.

In the present section, the primary data generated by the researcher herself has been analyzed on the basis of t-test. T-test is a tool for comparing the difference in means between various groups. One of the objectives of the present study has been to ascertain whether the scores of respondents on awareness about provisions of NRHM visa-vis their sex / background / streams are “statistically different” and, therefore, the statistical technique t-test has been adopted for analysis of data. Results of t-test are shown and analyzed in the present sections. Further, the different levels of awareness of the students on right to information such as not aware, awareness below average, average awareness, awareness above average, high awareness, have also been obtained taking the percentile P20, P40, P60, P80 and P100, respectively in the following manner:

No.	Range of mean value	Corresponding Percentile	Level of Awareness
1.	Below 2.8	P20	Not aware
2.	2.8 and above but less than 11.2	P40	Below Average
3.	11.2 and above but less than 16.8	P60	Average
4.	1.8 and above but less than 22.4	P80	AboveAverage
5.	22.4 and above	P100	Highly Aware

4.3 Level of Awareness of Male and Female Students

The difference between means of level of awareness of male and female students has been analyzed in this sections.

Table 4.3

Category	Number	Mean	Standard deviation	Standard of error deviation	T ratio	P
Male	126	11.015	3.724	0.4	4.85	0.01
Female	277	9.075	3.72			

Table 4.3 indicates that the calculated T-ratio at degree of freedom 401 is 4.85 which is greater than the table value 1.96 at 0.05 level of significance. It shows that there exists a significant difference between the level of awareness of male and female students about provisions of NRHM.

The table also indicates that the mean value of male students of their level of awareness about provision of NRHM is 11.015. As per the criteria set earlier, the mean score of the male students falls in the category of average awareness. On the other hand the mean score of 277 female students is 9.075 and therefore, their level of awareness about provisions of NRHM is below average. Thus, it may be concluded that the male students are comparatively more aware than female students about the provisions of NRHM.

4.4 Level of awareness of students from Rural and Urban areas

The difference between Means of level of awareness of Rural and Urban Area students has been analyzed in this section.

Table 4.4

Category	Number	Mean	Standard deviation	Standard of error deviation	T ratio	P
Rural	243	10.25	3.658	3.658	3.69	0.01
Urban	160	8.81	3.921			

It shows that there exists a significance difference between the level of awareness of students from rural and urban areas about provisions of NRHM.

The table also indicates that the level of awareness about provisions of NRHM of students from rural areas is 10.25. As per the criteria set earlier, the mean score of the rural areas students falls in the categories of below average awareness. On the other hand the mean score of 160 urban students is 8.81 and therefore, their level of awareness about provisions of NRHM is also below average. But the mean value of Rural area students is greater than Urban area students. Thus, it may be concluded that the Rural area students are comparatively more aware than the students from Urban area about the provision of NRHM.

4.5 Level of awareness of students from arts and Science stream.

The difference between means of level of awareness of arts and science students has been analyzed in this section.

Table 4.5

Streams	Number	Mean	Standard deviation	Standard deviation of error	T-ratio	P
Arts	193	9.43	3.752	0.52	4.29	0.01
Science	62	11.66	3.58			

Table 4.5 indicates that the calculated T – ratio at degree of freedom 253, is 4.29, which is greater than the table value 1.97 at 0.05 level of significance. It shows that there exists a significant difference between the level of awareness of students from arts and science streams about provision of NRHM.

The table also indicates that the mean score of arts students of their level of awareness about provisions of NRHM is 9.43. As per the criteria set earlier, the mean score of students of arts streams falls in the category of below average awareness. Thus, it may be concluded that the students of science streams are comparatively more aware about the provision of NRHM than the students from arts stream.

Table4. awareness of student from arts and commerce streams

The difference between means of level of awareness of arts and commerce students has been analyzed in this section. 6 Level of

Streams	Number	Mean	Standard deviation	Standard of error deviation	T ratio	Level of significance
Arts	193	9.43	3.752	0.56	1.44	not significant
commerce	64	8.625	3.925			

Table 4.6

Table 4.6 indicates that the calculated t- ratio degree of freedom 255 , is 1.44 , which is lower than the table value 1.97 at 0.05 level of significance . it shows that there exists no significant difference between the level of awareness of students from Arts and commerce streams about provisions of NRHM .

The table also indicates that the mean score of arts students of their level of awareness about provisions of NRHM is 9.43 as per the criteria set earlier, the mean score of arts streams falls in the category of below average awareness. On the other hand the mean score of 64 students of commerce stream is 8.625 and therefore, their level of awareness about provisions of NRHM is also below average awareness. But the mean value of arts students is greater than the commerce students. Thus, it may be concluded that the arts students are comparatively more aware than commerce student about provisions of NRHM.

4.7 Level of awareness of student from arts and professional courses

The difference between means of level of awareness of arts and professional courses students has been analyzed in this section

Streams	Number	Mean	Standard deviation (S.D.)	Standard error deviation(S.Ed)	T- ratio	Level of significance
Arts	193	9.43	3.752	0.57	0.4	not significant
Professional courses	59	9.66	3.946			

Table 4.7

Table 4.7 indicates that the calculated t-ratio at degree of freedom 250 is 0.40, which is lower than the table value 1.97 at 0.05 level of significance. It shows that there exist no significant difference between the level of awareness of students of arts and Professional courses about provisions of NRHM.

The table also indicates that the mean score of arts students of their level of awareness about provision of NRHM is 9.43. As per the criteria set earlier, the mean score of arts streams falls in the category of below average awareness. On the hand the mean score of 59 professional courses students is 9.66 and therefore, their level of awareness about provision of NRHM is also below average. But the mean score of professional courses students is greater than the arts students. Thus, it may be concluded that the professional courses students are comparatively more aware than Arts student about provisions of NRHM.

4.8 Level of awareness of students of arts and teacher education streams

The difference between means of level of awareness of arts and teacher education has been analyzed in this section.

Table 4.8

Streams	Number	Mean	Standard deviation(S.D.)	Standard error deviation (S.Ed)	T ratio	Level of significance
Arts	193	9.43	3.752	0.52	0.096	not significant
Teacher education	25	9.48	2.56			

Table 4.8 indicates that the calculated t-ratio at degree of freedom 216, is 0.096, which is lower than the table value 1.97 at 0.05 level of significance. It shows that there exists no significant difference between the level of awareness of students of arts and teacher education about provisions of NRHM.

The table also indicates that the mean score of arts students of their level of awareness about provision of NRHM is 9.43. As per the criteria set earlier, the mean score of arts streams falls in the category of below average awareness. On the hand the mean score of 25 teacher education students is 9.48 and therefore, their level of awareness about provision of NRHM is also below average. But the mean score of teacher education students is greater than the arts students. Thus, it may be concluded that the teacher education students are comparatively more aware than Arts student about provisions of NRHM.

4.9 Level of awareness of students from science and commerce streams

The difference between means of level of awareness of science and commerce students has been analyzed in this section.

Table 4.9

Streams	Number	Mean	Standard deviation (S.D)	Standard of error deviation (S.Ed)	T-ratio	P
Science	62	11.66	3.58	0.66	4.6	0.01
commerce	64	8.62	3.925			

Table 4.9 indicates that the calculated t -ratio degree of freedom 124 , is 4.60 , which is greater than the table value 1.98 at 0.05 level of significance . It shows that there exists a significant difference between the level of awareness of science and commerce streams about provisions of NRHM .

The table also indicates that the mean score of science students of their level of awareness about provisions of NRHM is 11.66. as per the criteria set earlier ,the mean score of science streams falls in the category of average awareness . On the other hand the mean score of 64 students from commerce stream is 8.625 and therefore , their level of awareness about provisions of NRHM is below average.. Thus , it may be concluded that the science students are comparatively more aware than commerce students about provisions of NRHM.

4.10 Level of awareness of students from science and professional courses

The difference between means of level of awareness of science and professional students has been analyzed in this section.

Table 4.10

Streams	Number	Mean	Standard deviation	Standard of error deviation	T ratio	Level of significance
Science	62	11.66	3.58	0.67	2.98	0.01
professional course	59	9.66	3.946			

Table 4.10 indicates that the calculated t -ratio degree of freedom 119, is 2.98, which is greater than the table value 1.98 at 0.05 level of significance. It shows that there exists a significant difference between the level of awareness of science and professional courses students about provisions of NRHM.

The table also indicates that the mean score of science students of their level of awareness about provisions of NRHM is 11.66. thus the mean score of students of science streams falls in the category of average awareness. On the other hand the mean score of 59 students from professional courses is 9.66 and therefore, their level of awareness about provisions of NRHM is below average. Thus, it may be concluded that the science students are comparatively more aware than professional courses students about the provisions of NRHM.

4.11 Level of awareness of students from science and teacher education

The difference between means of level of awareness of science and teacher education students has been analyzed in this section.

Table 4.11

Students of science and teacher education streams							
Streams	Number	Mean	Sd.	SED	T-ratio	Level of significance	of
Science	62	11.66	3	0.71	3.07	0.01	
Teacher education	25	9.48	2.86				

Table 4.11 indicates that the calculated t-ratio degree of freedom 85 , is 3.07 , which is greater than the table value 1.99 at 0.05 level of significance . It shows that there exists a significant difference between the level of awareness of science and teacher education students about provisions of NRHM .

The table also indicates that the mean score of science students of their level of awareness about provisions of NRHM is 11.66. as per the criteria set earlier ,the mean score of science streams falls in the category of average awareness . On the other hand the mean score of 25 students from teacher education streams is 9.48 and therefore, their level of awareness about provisions of NRHM is below average. Thus, it may be concluded that the science students are comparatively more aware than teacher education students about provisions of NRHM.

Table 4.12 Level of awareness of students from commerce and professional courses

The difference between means of level of awareness of commerce and professional courses students has been analyzed in this section.

Table 4.12

Commerce and professional courses streams						
Streams	Number	Mean	Sd.	SED	T-ratio	Level of significance
Commerce	64	8.625	3.925	0.70	1.48	Not significant
Professional courses	59	9.66	3.946			

Table 4.12 indicates that the calculated t -ratio degree of freedom 121, is 1.48, which is lower than the table value 1.98 at 0.05 level of significance. It shows That there exists no significant difference between the level of awareness of commerce and professional courses students about provisions of NRHM. The table also indicates that the mean score of commerce students of their level of awareness about provisions of NRHM is 8.625. As per the criteria set earlier, the mean score of commerce streams falls in the category of below average awareness. On the other hand the mean score of 59 students from professional courses is 9.66 and therefore, their level of awareness about provisions of NRHM also is below average awareness .But the mean score of commerce students is greater than professional courses students. Thus, it may be concluded that the commerce students are comparatively more aware than professional courses students about provisions of NRHM.

4.13 Level of awareness of students from commerce and teacher education

The difference between means of level of awareness of commerce and teacher education has been analyzed in this section.

Table 4.13

Level of awareness of students of commerce and teacher education						
Streams	Number	Mean	S.D.	SED	T-ratio	Level of significance
Commerce	64	8.625	3.925	0.74	1.16	Not significant
Teacher education	25	9.48	2.86			

Table 4.13 indicates that the calculated t -ratio degree of freedom 87, is 1.16, which is lower than the table value 1.98 at 0.05 level of significance. It shows that there exists no significant difference between the level of awareness of commerce and teacher education students about provisions of NRHM .

The table also indicates that the mean score of commerce students of their level of awareness about provisions of NRHM is 8.625. As per the criteria set earlier, the mean score of commerce streams falls in the category of below average awareness. On the other hand the mean score of 25 students from teacher education is 9.48 and therefore , their level of awareness about provisions of NRHM also is below average awareness .But the mean score of commerce students is greater than teacher education students. Thus, it may be concluded that the teacher education students are comparatively more aware than commerce students about provisions of NRHM.

4.14 Level of awareness of students from Professional Courses and teacher education

The difference between means of level of awareness of Professional Courses and Teacher education students has been analyzed in this section.

Table 4.14

Level of awareness of students of Professional course						
Streams	Number	Mean	S.D.	SED	T-ratio	Level of significance
Professional	59	9.66	3.946	0.75	0.0024	Not significant
Teacher education	25	9.48	2.86			

Table 4.14 indicates that the calculated t -ratio degree of freedom 82 , is 0.0024 , which is lower than the table value 1.99 at 0.05 level of significance . It shows that there exists no significant difference between the level of awareness of students from professional courses and teacher education students about provisions of NRHM. The table also indicates that the mean score of professional courses students of their level of awareness about provisions of NRHM is 9.66. As per the criteria set earlier, the mean score of professional courses falls in the category of below average awareness. On the other hand the mean score of 25 students of teacher education streams is 9.48 and therefore, their level of awareness about provisions of NRHM is also below average. But the mean score of professional courses students is greater than Teacher education students. Thus, it may be concluded that the professional courses students are comparatively more aware than teacher education students about the provisions of NRHM.