

C H A P T E R   I V

EVALUATION OF THE DATA PRESENTAT

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### Evaluation of the Data Presented

Data presented in the previous chapter has been evaluated for the purpose of testing the hypothesis. Tools used for this purpose are Standard Deviation and t - test. With the help these tools, data are analysed and interpreted.

**Table : 4.1**

#### Scores of Respondents from Different Organisations

Name of organisation	Managerial Score	Non-managerial score	Total/score of organisation
1. Shetkari Sahakari Sangh Ltd. Kolhapur	70	129	199
2. Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji.	62	125	187
3. Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd, Kolhapur.	82	131	220
4. Kolhapur District Central Co-operative Bank Ltd., Kolhapur	89	168	257

Table 4.2

## Score of Respondents in %

Name of the organisation	Managerial level	Non-managerial level	Total organisation
1. Shetkari Sahakari Sangh Ltd., Kolhapur	70%	64.5%	66.33%
2. Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji	62%	62.5%	62.33%
3. Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd., Kolhapur.	82%	65.5%	73.33%
4. Kolhapur District Central Co-operative Bank Ltd., Kolhapur	89%	84.0%	85.66%

Table 4.3

## Mean &amp; Standard Deviation of whole organisation

No.	Name of organisation	Mean	Standard Deviation
1.	Shetkari Sahakari Sangh Ltd., Kolhapur	6.63	1.37
2.	Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji	6.23	.80
3.	Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd., Kolhapur	7.33	1.59
4.	Kolhapur District Central Co-operative Bank, Ltd., Kolhapur	8.56	1.02

Table 4.4

**Mean & Standard Deviation of Managerial levels  
of the organisations**

No.	Name of organisation	Mean	Standard Deviation
1.	Shetkari Sahakari Sangh Ltd., Kolhapur	7.00	1.48
2.	Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji	6.20	.87
3.	Kolhapur Zilha Doodh Utpadak Sangh Ltd., Kolhapur	8.20	1.93
4.	Kolhapur District Central Co-operative Bank Ltd., Kolhapur	8.90	.53

Table 4.5

**Mean & Standard Deviation of Non-managerial  
Levels of organisations**

No.	Name of organisation	Mean	Standard Deviation
1.	Shetakari Sahakari Sangh Ltd., Kolhapur	6.45	1.28
2.	Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji	6.25	.76
3.	Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd., Kolhapur	6.55	1.22
4.	Kolhapur District Central Co-operative Bank Ltd., Kolhapur	8.40	1.15

Table 4.6

't' test Values Of a Organisations  
as a whole :

No.	Comparative organisations	Score	Table 't' value ( at 5% level of significance)
1.	Shetkari Sahakari Sangh Ltd. Kolhapur  and  Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji	1.3	0.68
2.	Shetakari Sahakari Sangh Ltd., Kolhapur  and  Kolhapur Zilha Sahakari Doodh Utpadak Sangh, Ltd., Kolhapur	1.8	0.68
3.	Shetakari Sahakari Sangh Ltd., Kolhapur  and  Kolhapur District Central Co- operative Bank, Ltd., Kolhapur	6.4	0.68

No.	Comparative organisations	Score	Table 't' value ( at 5% level of significance)
4.	Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji and Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd., Kolhapur	3.3	0.68
5.	Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji and Kolhapur District Central Co-operative Bank Ltd., Kolhapur	10.1	0.68
6.	Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd., Kolhapur and Kolhapur District Central Co-operative Bank Ltd., Kolhapur	3.60	0.68



Table :4.7

## 't' test values of Managerial level

No.	Name of the organisations	Score	Table 't' value ( at 5% level significance)
1.	Shetakari Sahakari Sangh Ltd., Kolhapur and Ichalkaranji Co-operative Spinning Mill, Ltd., Ichalkaranji	1.4	0.68
2.	Shetakari Sahakari Sangh Ltd., Kolhapur and Kolhapur Zilha Sahakari Doodh Utpadak Sangh, Ltd., Kolhapur	1.5	0.68
3.	Shetakari Sahakari Sangh, Ltd., Kolhapur and Kolhapur District Central Co-operative Bank, Ltd., Kolhapur	3.7	0.68

No.	Name of the organisations	Score	Table 't' value ( at 5% level significance)
4.	Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji and Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd., Kolhapur	2.8	0.68
5.	Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji and Kolhapur District Central Co-operative Bank Ltd., Kolhapur.	.18	0.68
6.	Kolhapur Zilha Sahakari Doodh Utpadak Sangh, Ltd., Kolhapur and Kolhapur District Central Co-operative Bank Ltd., Kolhapur.	1.00	0.68

Table 4.8

## 't' test Values of Non-managerial levels :

No.	Name of organisation	Score	Table 't' value (at 5% level of significance)
1.	Shetkari Sahakari Sangh Ltd., Kolhapur and Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji	.6	.70
2.	Shetkari Sahakari Sangh Ltd., Kolhapur and Kolhapur Zilha Sahakari Doodh Utpadak Sangh, Ltd., Kolhapur	.2	.70
3.	Shetkari Sahakari Sangh Ltd., Kolhapur and Kolhapur District Central Co-operative Bank Ltd., Kolhapur	5.1	.70

No.	Name of organisation	Score	Table 't' value (at 5% level of significance)
4.	Ichalkarnji Co-operative Spinning Mill Ltd., Ichalkaranji and Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd., Kolhapur	.9	.70
5.	Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji and Kolhapur District Central Co-operative Bank Ltd., Kolhapur	6.9	.70
6.	Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd., Kolhapur and Kolhapur District Central Co-operative Bank Ltd., Kolhapur	5.0	.70

## Evaluations

On the basis of the scores of the respondents of the above four organisations the researcher calculated mean of the all four organisations as a whole, mean of managerial levels and mean of non-managerial levels. With the help of mean the researcher calculated the standard deviation and the 't' test.

In the tables, given in chapter 4, the comparative mean, standard deviation & also 't' tests of organisations in total, at managerial levels & at non-managerial levels are shown.

### ORGANISATION AS A WHOLE

The results of the above tables tells that the score of Kolhapur District Central Co-operative Bank Ltd., Kolhapur (257) is the highest, followed by the score of Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd., Kolhapur (220), the score of Shetakari Sahakari Sangh Ltd., Kolhapur (199) & the score of Ichalkaranji Co-operative Spinning Mill Ltd., Ichalkaranji (187).

### DIFFERENT HIERARCHICAL LEVELS OF ORGANISATIONS

Table 4.2 shows the scores of managerial level employees & employees at non-managerial levels. All of them differ significantly between themselves.

**MANAGERIAL LEVEL OF ORGANISATIONS**

Ranks on the basis of scores at managerial level employees are as follows :

1. Kolhapur District Central Co-operative Bank Ltd.,  
Kolhapur.
2. Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd.,  
Kolhapur.
3. Shetakari Sahakari Sangh Ltd., Kolhapur.
4. Ichalkaranji Co-operative Spinning Mill Ltd.,  
Ichalkaranji.

**NON-MANAGERIAL LEVELS**

Ranks on the basis of scores of non-managerial level employees are as follows :

1. Kolhapur District Central Co-operative Bank Ltd.,  
Kolhapur.
2. Kolhapur Zilha Sahakari Doodh Utpadak Sangh Ltd.,  
Kolhapur.
3. Shetakari Sahakari Sangh Ltd., Kolhapur &
4. Ichalkaranji Co-operative Spinning Mill Ltd.,  
Ichalkaranji.

**'t' test comparison**

Out of the above comparisons of various organisations, all comparisons show that there is a significant difference in the co-operative value scores. All the comparisons of managerial levels also show that there is a significant difference in the co-operative value scores. In case of comparisons of non-managerial level, it is found that cooperative values between Shetkari Sahakari Sangh Ltd & Kolhapur Zilla Sahkari Doodh Utpadak Sangh, Ltd., Kolhapur do not differ significantly. All other comparisons show that there is a significant difference in co-operative values.

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[ Calculations of mean, Standard deviation  
& 't' test are given in Appendix II.]