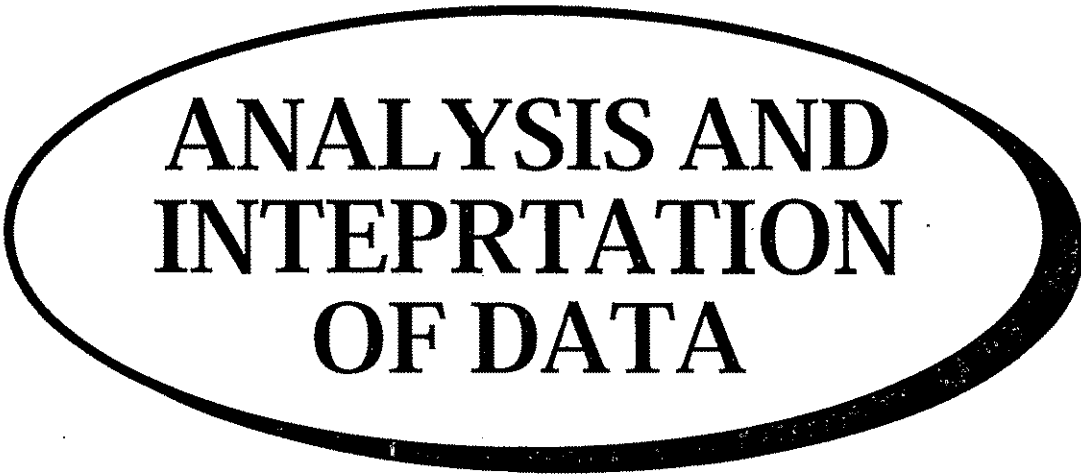


CHAPTER-4



ANALYSIS AND INTEPRATION OF DATA

CHAPTER-4

ANALYSIS AND INTERPRETATION OF DATA

This fourth chapter of the study deals with analysis; interpretation and presentation of data. The data were collected with a view to find out the writing ability of aashramshala and non-aashramshala students in terms of legibility, size of letters, capital letters, space between two words.

Statistics is a body of mathematical techniques or processes for gathering, organizing and interpreting numerical data. Because most research yields such quantitative data, statistics is a basic tool of measurement, evaluation and research.

The word statistics is something used to describe the numerical data that are gathered. Statistical data describe group behaviour or group characteristics abstracted from a number of individual observations that are combined to make generalizations possible. The research worker who uses statistics is concerned with more than the manipulation of data. The statistical method goes to the fundamental purposes of description and analysis. By statistics we can analyse and interpret the data for conclusion.

Interpretation of data refers to that important part of study, which is associated with the drawing of inference from the collected facts after an analytic study. It is extremely useful and important part of the study. Statistical facts by themselves have no utility. It is the interpretation that makes it possible for us to utilize collected data in various fields of activity. It provides certain conclusion about the problem under study.

4.1 Analysis Related to Writing Ability :

Table 4.1 Comparison of Mean Difference between the writing ability scores of students studying in Aashramshala and non-aashramshala.

Variables Schools	Mean (M)	Standard Deviation (SD)	't' value
Aashram	995.48	79.6241	2.332
Non-aashram	1039.034	63.5191	P > 0.05

Significant at .05 level of confidence.

N = 60

As evident from table 4.1 value of 't' of writing ability between Aashram school and non-aashram school student was found to be 2.332. The value of 't' required to be significant at 0.05 level of confidence is 2-0. The obtain value i.e. 2.332 is higher than the required one at 0.05 level of confidence hence the hypathesis **'there will be no significant difference between Aashramshala and Non-aashramshala student in respect of writing ability'** is rejected. This indicates that the student of Aashram school and Non-aashram school do differ respect to their writing ability.

TABLE 4.2

Comparison of mean difference in the scores of various components of writing ability between Aashram school and Non-aashram school students.

S.No.	Components of writing ability	Various	Mean (M) schools	Standard Deviation (S.D)	't' value
1.	Legibility	Aashram	453.35	3.18	1.764
		Non-aashram	465.76	23.61	
2.	Size of letters	Aashram	425.09	41.40	1.493
		Non-aashram	439.79	34.22	
3.	Use of capital letters	Aashram	11.29	5.26	1.30
		Non-aashram	12.51	3.78	
4.	Space between two words	Aashram	105.74	11.05	5.737*
		Non-aashram	120.96	9.35	

* significant at 0.05 level of confidence.

N = 60

1. When comparison in legibility was made, the value of 't' obtained for the component of writing ability is 1.764. The value of 't' required to be significant at 0.05 level of confidence is 2.00. The obtain value of 't' is less than the required value. As a result the hypothesis "**there will be no significant difference between Aashram school and Non-aashram student in respect of legibility among the component of writing ability**" is accepted. It may be concluded that the students of Aashram school and Non-aashram school do not differ with respect to legibility concerning writing ability.

2. When comparison in size of letters is made, the value of 't' obtained for the component of writing ability is 1.493. The value of 't' required to be significant at 0.05 level of confidence is 2.0. The obtain value of 't' is less than the required value. As a result the hypothesis " there will be no significant difference between Aashram school and Non-aashram school student in respect of component-size of letters of writing ability is accepted. This indicates that the students of Aashram school & Non-aashram school do not differ with respect to size of letters concerning writing ability.

3. When comparison in the use of capital letters is made, the value of 't' obtained for the component of writing ability is 1.03. The value of 't' required to be significant at 0.05 level of confidence is 2.00. The obtain value of 't' is less than the required value. As a result the hypothesis " there will be no significant difference between Aashram school & Non-aashram school student in respect of use of capital letters of writing ability" is accepted. This indicates that the students of Aashram school & Non-aashram school do not differ with respect to use of capital letters concerning writing ability.

4. When comparison in space between two words is made, the value of 't' obtained for the component of writing ability is 5.737. The value of 't' required to be significant at 0.05 level of confidence is 2.00. The calculated value of 't' is more than required value (2.00) at 0.05 level. So the hypothesis " there will be no significant difference between aashramshala and non-aashramshala student in respect of space between two words of writing ability" is rejected. This indicates that the student of Aashramshala & Non-aashramshala do differ with respect to the component-space between two words - of writing ability is concerned.

4.2.2 Analysis Related To Dictation :

Table 4.3 Comparison of Mean Difference between the writing ability scores of students studying in Aashramshala and Non-aashramshala during dictation.

Variable School	Mean (M)	Standard Deviation (SD)	't' value
Aashram	406.26	38.71	3.08 *
Non-aashram	437.34	39.45	p > 0.05

*** significant at 0.05 level of confidence.
N = 60**

As evident from table 4.3 value of 't' of writing ability between Aashram school and non-aashram school student was found to be 3.080 during dictation. The value of 't' required to be significant at .05 level of confidence is 2.00. The obtain value i.e. 3.080 is higher than the required one at .05 level of confidence hence the hypothesis "**there will be no significant difference between Aashram school and Non-aashram school student in respect of writing ability during dictation**" is rejected. This indicates that the student of Aashram school and Non-aashram school do differ, respect to their writing ability during dictation.

Table 4.4 Comparison of Mean Difference in the scores of various components of writing ability between Aashram school & Non-aashram school student during dictation.

S.No.	Components of writing ability	Variables schools	Mean (M)	Standard Deviation (SD)	't' value
1.	Legibility Non-aashram	Aashram 267.00	265.58 12.36	15.80 p < 0.05	0.386
2.	Size of letters Non-aashram	Aashram 256.59	251.16 14.99	26.25 p < 0.05	0.974
3.	Use of capital letters	Aashram Non-aashram	8.16 8.45	2.42 2.10	.489 p < 0.05
4.	Space between two words	Aashram Non-aashram	64.32 69.66	7.20 4.72	3.369 * p > 0.05

* significant at .05 level of confidence.

N = 60

1. When comparison in legibility amongst the component of writing ability was made, the value of 't' obtained is 0.386. The value of 't' required to be significant at 0.05 level of confidence is 2.00. The obtain value of 't' is less than the required value. As a result the hypothesis, "**there will be no significant difference between Aashram school & Non-aashram student in respect of legibility of writing ability during dictation**" is accepted. It may be concluded that the students of Aashram school & Non-aashram school do not differ with respect to legibility concerning writing ability during dictation.

2. When comparison in the size of letters is made, the value of 't' obtained for this component if writing ability is 0.974. The value of 't' required to be significant at 0.05 level of confidence is 2.00. The obtain value of 't' is less than the required value. As a result the hypothesis, "**there will be no significant difference between**

Aashram school & Non-aashram school student in respect of size of letters amongst component of writing ability during dictation" is accepted. This indicates that the students of Aashram school & Non-aashram school do not differ with respect to size of letters amongst the component of writing ability during dictation.

3. When comparison in the use of capital letters is made, the value of 't' obtained for this component of writing ability is 0.489. The value of 't' required to be significant at 0.05 level of confidence is 2.00. The obtain value of 't' is less than the required value. As a result the hypothesis, **"there will be no significant difference between Aashram school & Non-aashram school student in respect of the use of capital letters amongst component of writing ability during dictation"** is accepted. This indicates that students of Aashram school & Non-aashram school do not differ with respect to use of capital letters amongst the component of writing ability during dictation.

4. When comparison in the space between two words is made, the value of 't' obtained for this component of writing ability is 3.369. The value of 't' required to be significant at 0.05 level of confidence is 2.00. The obtain value of 't' is greater than the required value. As a result the hypothesis, **"there will be no significant difference between Aashram school & Non-aashram school student in respect of the space between two words amongst component of writing ability during dictation"** is rejected. This indicates that students of Aashram school & Non-aashram school do differ with respect to space between two words amongst the component of writing ability during dictation.

4.3 Analysis Related To Copying :

Table 4.5 Comparison of Mean Difference between the writing ability scores of students studying in Aashramshala & Non-aashramshala during copying.

Variable school	Mean (M)	Standard Deviation (SD)	't' value
Aashram	589.23	45.94	1.234
Non-aashram	601.69	30.05	p< .05

No significant.

N = 60

As evident from table 4.5 value of 't' of writing ability between Aashram school and Non-aashram school was found to be 1.234. The value of 't' required to be significant at .05 level of confidence is 2.0. The obtain value i.e. 1.234 is small than the required one at .05 level of confidence hence the hypothesis "**there will be no significant difference between Aashram school and Non-aashram school student in respect of writing ability during copying**" is accepted. This indicates that the student of Aashram school and non-aashram school do not differ respect to their writing ability during copying.

Table 4.6 Comparison of Mean Difference in the scores of various components of writing ability between Aashram school and Non-aashram school student during copying.

S.No.	Components of writing ability	Variables schools	Mean (M)	Standard Deviation (S.D.)	't' value
1.	Legibility	Aashram Non-aashram	187.77 198.76	15.92 14.22	2.812 *
2.	Size of letters	Aashram Non-aashram	173.94 183.21	17.88 22.23	1.786
3.	Use of capital letters	Aashram Non-aashram	3.13 4.07	3.5 2.20	1.235
4.	Space between two words	Aashram Non-aashram	41.42 51.31	7.13 5.90	5.832 *

* significant at 0.5 level of confidence.

N = 60

1. When comparison in the legibility is made, the value of 't' obtained for this component of writing ability is 2.812. The value of 't' required to the significant at 0.05 level of confidence is 2.00. The obtain value of 't' is greater than the required value. As a result the hypothesis "**there will be no significant difference between Aashram school & Non-aashram school student in respect of the legibility amongst the component of writing ability during copying**" is rejected. This indicates that student of aashram school and non-aashram school do differ with respect to legibility amongst the component of writing ability during copying.

2. When comparison in the size of letters is made, the value of 't' obtained for this component of writing ability is 1.786. The value of 't' required to be significant at .05 level of confidence is 2.00. The obtain value of 't' is less than the required value. As a result the hypothesis "**there will be no significant difference between Aashram school & Non-aashram school student in respect of the size of**

letters amongst component of writing ability during copying" is accepted. This indicates that students of aashramshala school & non-aashram school do not differ with respect to size of letters amongst the component of writing ability during copying.

3. When comparison in the use of capital letters is made, the value of 't' obtained for this component of writing ability is 2.235. The value of 't' required to be significant at 0.05 level of confidence is 2.00. The obtainb value of 't' is less than the required value. As a result the hypothesis "**there will be no significant difference between Aashram school & Non-aashram school student in respect of the use of capital letters amongst component of writing ability during copying"** is accepted. This indicates that students of aashramshala school and non-aashramshala school do not differ with respect to use of capital letters amongst the component of writing ability during copying.

4. When comparison in the space between two words is made, the value of 't' obtained for this component of writing ability is 5.832. The value of 't' required to be significant at 0.05 level of confidence is 2.00. The obtain value of 't' is greater than the required value. As a result the hypothesis "**there will be no significant difference between Aashram school & Non-aashram school student in respect the space between two words, amongst component of writing ability during copying "** is rejected. This indicates that students of aashramshala and non-aashramshala school do differ with respect to space between two words amongst the component of writing ability during copying.