CHAPTER-IV

<u>ANALYSIS OF DATA AND INTERPETATION OF RESULTS</u>

4.0 INTRODUCTION

Raw data is worthless without analysis. However valid reliable and adequate the data may be, it does not serve any worthwhile purpose, unless it is carefully edited systematically classified & tabulated, scientifically analyzed, systematic interpreted rationally concluded. Good research is characterized by what care has taken in the analysis and interpretation of data. After careful& depth answer to the research questions of decision makers & information user.

Analysis of data means studying the tabulated material in order to determine inherent facts or factors in simple parts & putting the parts together in new arrangements for the purpose of interpretation. The process of interpretation is essentially one of the stating that the result finding show what do you mean? What is their significance? What is answer to the original problem? This part is the heart of the research. It calls for a critical examination of the result of ones analysis in light of all the limitations of data gathering. This chapter includes the data collected from DMS Bhopal.

4.1 OBJECTIVE WISE ANALYSIS AND INTERPRETATION OF THE DATA

Objective -1

Effect of 'Pariksha Pe Charcha' And 'Manodarpan Programmes' Of MoE initiative on examination stress of class 12th students before and after intervention.

Table 4.1 Class 12th students Low Moderate and High stress percentage and Number of students

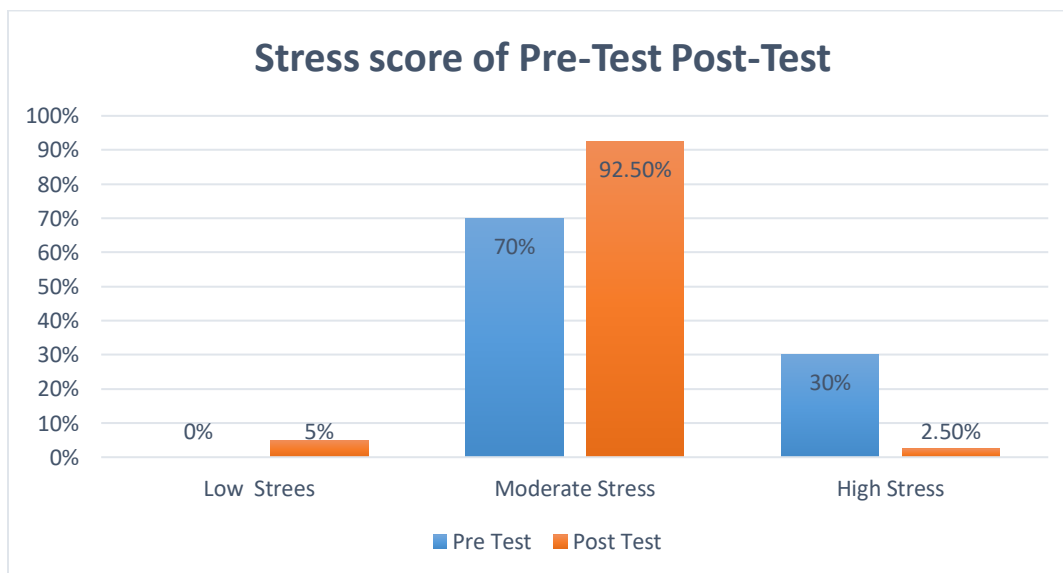| Test	N	Low stress	Moderate Stress	High Stress
Pre-test	40	(0)0%	(28)70%	(12)30%
Post-Test	40	(2)5%	(37)92.5%	(1)2.5%

Fig 4.1 Examination Low stress Moderate stress and High stress of class 12th students of Demonstration Multipurpose School.

Analysis: - For the purpose of studying the difference between examination stress before and after intervention of class 12th students of DMS Bhopal. The following null hypothesis was formulated there is no significant difference in Pre-test and Post-test scores of examination stress of class 12th students. The result are presented in table 4.2.

Table 4.2 Means SD and 't' value of examination stress of class 12th before and after intervention

	N	Mean	SD	Df	't' Value
Pre test	40	99.4	15.47		
Post test	40	89.42	11.01	39	**3.32**

*0.05 significance level

Here, N = Number (size) of sample, SD = Standard Deviation, Df = Degree of freedom

Interpretation – Table 4.1before intervention class 12th High Stress percentage 30% and after the intervention the High stress level of class 12th is decreased. Therefore, it is concluded that the high stress level of students was reduced by giving treatment. From table 4.2 it is evident that the calculated t-value for the degree of freedom 39 is found to be 3.32. The tabulated t-value at 0.05 level and infinity degree of freedom is 1.68. As our calculated t-value is more than the table value, so it is significant at 0.05 level of significance. Therefore, we have to reject the null hypothesis. The present result is supported to effect of Manodarpan program and Pariksha Pe Charcha program.