A study of effect of Academic Anxiety on Academic Achievement of Higher Secondary School Students

DR. HIMANSHU P. SAWANT
Assistant Professor
Sheth C. N. College of Education, Ambawadi, Ahmedabad

Abstract:

The present study was conducted to find out the effect of Academic anxiety on academic achievement of higher secondary school students. In present research the researcher has used academic anxiety and gender as a independent variable while academic achievement was dependent variable. It was found that there is significant effect of academic anxiety on Academic Achievement of the students of higher secondary level. The effect of higher Academic anxiety of boys on academic achievement was higher than the girls having higher academic anxiety. There was no significant difference on academic achievement of the boys and girls having lower academic anxiety.

1.Introduction

Today's era is era of competition. We know that we are at the beginning of a new century. The intelligence and success are not viewed the same way as they were before. In this situation the level of anxiety went high to achieve achievement.

Academic anxiety is a normal response to the pressures of school. It is kind of state anxiety which relates to the impending danger from the environment of the academic institutions including teacher, certain subjects like mathematics, English, etc. it can help motivate students to study for tests or complete assignment.

2.Objectives

1. To study the effect of Academic anxiety on Academic Achievement of the students of higher secondary level.
2. To study the effect of Academic anxiety of boys on Academic Achievement of the higher secondary level.
3. To study the effect of Academic anxiety of girls on Academic Achievement of higher secondary level.

3.Hypothesis

Ho_1 There is no significant difference between mean score of students having higher and lower Academic Anxiety on Academic Achievement test of higher secondary school.

Ho_2 There is no significant difference between boys and girls having higher Academic Anxiety on Academic Achievement test of higher secondary school.

Ho_3 There is no significant difference between boys and girls having lower Academic Anxiety on Academic Achievement test of higher secondary school

4. Research Methodology

In present research descriptive survey method was used to find out the relationship between Academic Anxiety and Academic Achievement.

5. Population and Sample

All the students studying in higher secondary schools of Ahmedabad city are the population of the present research. In the present study out of population 200 higher secondary students (100 boys & 100 girls) from the Ahmadabad city were being taken as a sample through Random Sampling cluster Method.

6. Tools and Techniques

In present research the researcher used standardize anxiety test prepared by Dr. Himanshu Sawant in guidance of Dr. R. S. Patel. And for academic achievement the researcher has taken the last result of S.S.C. board.

7. Data Collection

In present research the researcher has visit the higher secondary school students with the prior permission of principal. He gave

8. Statistical Techniques

In present research the researcher has used mean, standard deviation, standard error of mean and the t value.

9. Limitations of the Research

In present research the research was limited only to the students of standard 11th of Science stream students of Ahmedabad city.

10. Interpretation of Data
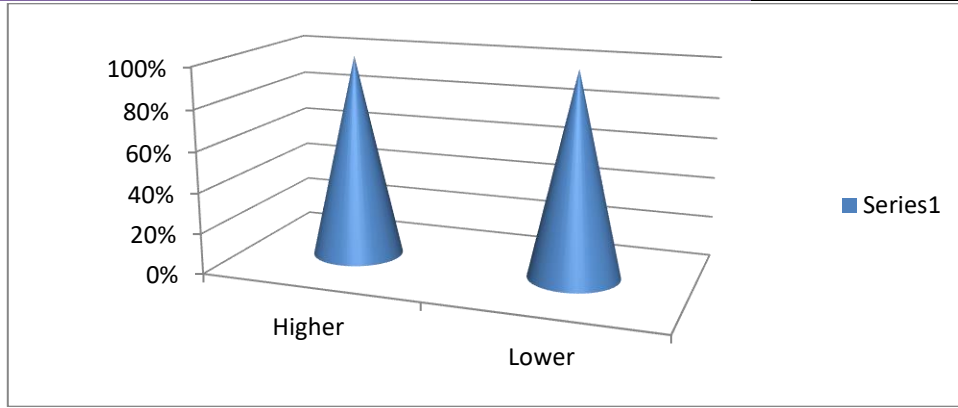
The collected data was analyzed as follows

Ho$_1$ There is no significant difference between mean score of students having higher and lower Academic Anxiety on Academic Achievement test of higher secondary school.

Table 1-Statistical analysis of students having higher and lower academic anxiety

Academic Anxiety	Mean	Standard Deviation	Standard error of mean	t value	significance
Higher	49.68	12.32	1.25	2.63	0.05
Lower	46.39	11.89			

From above table 1 we can see that the mean value of students having higher and lower academic anxiety was 49.68 and 46.39. the standard deviation was 12.32 and 11.89. the standard error of mean was 1.25 and the t value was 2.63 which was higher than the table value at 0.05 level that is 1.96.

It means that there is significant difference between the students having higher and lower academic anxiety on academic achievement. The mean value of students having higher academic anxiety was higher than the students having lower academic anxiety. The graphical description is as below.
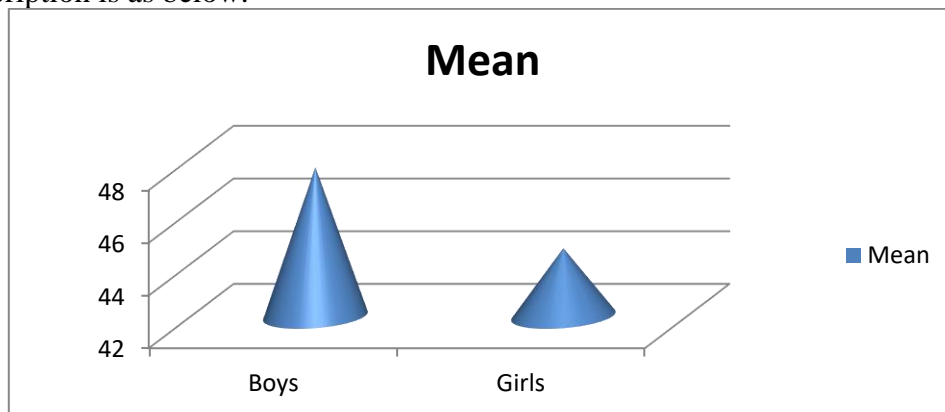
Ho2 There is no significant difference between boys and girls having higher Academic Anxiety on Academic Achievement test of higher secondary school

Table 2- Statistical analysis of boys and girls students having higher academic anxiety

Higher Academic Anxiety	Mean	Standard Deviation	Standard error of mean	t value	significance
Boys	47.65	10.35	1.09	2.82	0.05
Girls	44.58	10.82			

From above table 2 we can see that the mean value of boys and girls having higher academic anxiety was 47.65 and 44.58. the standard deviation was 10.35 and 10.82. the standard error of mean was 1.09 and the t value was 2.82 which was higher than the table value at 0.05 level that is 1.96.

It means that there is significant difference between the students having higher academic anxiety on academic achievement. The mean value of boy's students was higher than the girl's students. The graphical description is as below.


Ho3 There is no significant difference between boys and girls having lower Academic Anxiety on Academic Achievement test of higher secondary school

Table 3-Statistical analysis of boys and girls students having lower academic anxiety

Lower Academic Anxiety	Mean	Standard Deviation	Standard error of mean	t value	significance
Boys	42.59	11.26	1.02	0.63	N.S.
Girls	43.23	12.05			

From above table 3 we can see that the mean value of boys and girls having lower academic anxiety was 42.89 and 43.23. The standard deviation was 11.26 and 12.05. The standard error of mean was 1.02 and the t value was 0.63 which was lower than the table value at 0.05 level that is 1.96.

It means that there is no significant difference between the students having lower academic anxiety on academic achievement. The graphical description is as below.
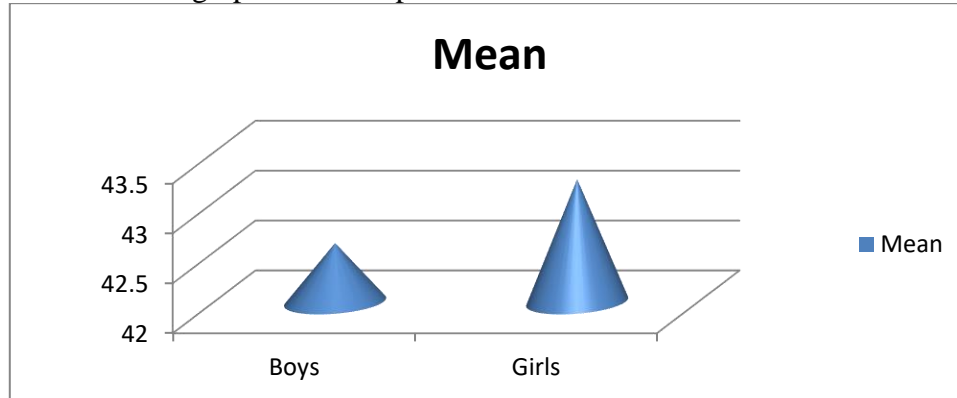
11. Findings
The findings of present research were as follows
1. The students having higher academic anxiety has higher academic achievement then the students having lower academic anxiety
2. The boy's students having higher academic anxiety has higher academic achievement than the girl's students having higher academic anxiety
3. There is no significant difference in academic achievement of boys and girls' students having lower academic anxiety.

12. Educational Implication
1. The students having lower academic achievement has decided their goals.
2. The girl's students having higher academic anxiety should not to worry but do hardwork in proper direction.
3. The students should practice meditation to decrease anxiety

13. Conclusion
In this study, the academic anxiety of the students affected academic achievement higher the academic anxiety higher the academic achievement. In boys and girls' students the boy having higher academic anxiety has higher academic achievement. In this way the researcher has researched on higher secondary school students. In this way the other one can research on students of other strem.

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