
“A Study of Anxiety of Senior Secondary School Students in Relation To Their Sex, Locality, Subject Streams And Academic Achievement”.

Prof.(Dr.) Jai Parkash*
Dr.(Mrs.) Sushma Hooda **,

Keywords

Anxiety , Sr.Secondary School students, Sex, Locality, Subject Stream ,Achievement

Abstract

In recent year with the growth of sophistication in the mental health professions and the behavioural sciences, man has begun to realize the enormous impact of anxiety on human life. Theorists consider anxiety as an important factor in producing discrepancy between achievement and potential. In the present study, the sample was comprised of 300 male and female senior secondary school students from District Sirsa, Haryana. In the present study, only one tool Sinha's Comprehensive Anxiety Test (SCAT) was used for data collection and In this study, the statistical techniques Mean, Standard Deviation & 't' test were used. In this study it is found that there is significant difference in anxiety of the of senior secondary school students having arts and science and arts and commerce streams. There is no significant difference of anxiety of senior secondary school students having commerce and science streams. It reveals that the anxiety level of senior secondary school students having arts stream is low as compared to senior secondary school students having commerce and science streams. But senior secondary school students having commerce and science streams have the same anxiety level. Hence the research hypothesis which states that there is significant difference in anxiety of senior secondary school students having arts, commerce and science streams is accepted in the arts and science, arts and commerce streams but rejected only between the senior secondary school students having science and commerce streams.

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Author Correspondence

Principal, JCD(PG) College of Education, Sirsa , Haryana*

Assistant Professor , JCD(PG) College of Education, Sirsa, Haryana**

INTRODUCTION

The desire to achieve high puts a lot of pressure on students which is the ultimate cause of tension and anxiety. Anxiety in a way, is the most intimate experience to man. It enters into man's life with the breath and with the last. It is the main cause of all mental disorders. Word Anxiety comes from Latin word – Anxietus – experience of varying blends of uncertainty, agitation and threat. The credit to induce the word in psychology goes to Freud (1894).he expressed that anxiety results due to suppression of romantic sexual tensions. Libido, Tillich define anxiety as reaction to threat of non-being. While according to Kicabegaszd "Anxiety of existentialism---- the ontological freedom of man". Sullivan (1953) expressed that "Anxiety is state of tension arising from the experience of disapproved in interpersonal relation."

STATEMENT OF THE PROBLEM

In view of the above, the problem of present study is stated as under:

"A Study Of Anxiety Of Senior Secondary School Students in Relation To Their Sex, Locality, Subject Streams And Academic Achievement".

OPERATIONAL DEFINITIONS OF KEY TERMS

Anxiety:- Anxiety is a subjectively apprehended threat to psychological self. Here it Measured with the help of (SCAT) – A.K.P. Sinha and L.N.K. Sinha.

Sex:- Male and Female students.

Locality:- Rural and Urban students.

Subject Streams:- Arts, Commerce and Science.

Academic Achievement:- Academic Achievement refers to the degree of success and proficiency attained in some specific of marks obtained in the annual examination of 11th, 12th students.

Senior Secondary students:- Senior Secondary School Students are refers to those students who are studying 11th and 12th classes.

OBJECTIVES OF THE STUDY

1. To study the anxiety of male and female students of senior secondary school.
2. To study the anxiety of urban and rural senior secondary school students.
3. To study the anxiety of senior secondary school students having different streams such as arts, commerce and science.
4. To study the anxiety of senior secondary school students having high and low academic achievement.

HYPOTHESES OF THE STUDY

H1:There exists a significant difference in anxiety of male and female senior secondary school students.

H2:There exists a significant difference in anxiety of rural and urban senior secondary school

students.

H3: There exists a significant difference in anxiety of senior secondary school students having arts, commerce, and science streams.

H4: There exists a significant difference in anxiety of senior secondary school students having high and low academic achievement.

DELIMITATIONS OF THE STUDY

Taking into consideration the time and the resources available with the investigator the study has been limited to the following aspects.

1. The study was limited to a sample of 300 students.
2. The study was confined to senior secondary school students.
3. The study was confined to urban and rural background of students.
4. Survey method was used.
5. 't' test was used.

RESEARCH METHOD

For conducting any scientific research it becomes inevitable to select the appropriate research method. Depending upon the objectives of the study the descriptive survey strategy of research was deemed appropriate and suitable.

SAMPLE

Sample is a portion of population which is selected for the purpose of the study or investigation. A good sample is homogenous, unbiased, representatives and adequate in size. The rationale of selection of a sample is that the study of all the members of population is neither possible nor feasible. In the present study, the sample was comprised of 300 male and female senior secondary school students from district Sirsa, Haryana.

TOOLS USED

Tools are the means of data collection suitability, appropriateness, relevance, reliability, validity and language are the main criteria which serve the basis for selection of research tools. In the present study, only one tool **Sinha's Comprehensive Anxiety Test (SCAT) – A. K. P. Sinha and L. N. K. Sinha.** was used for data collection.

RESULTS AND DISCUSSIONS

Analysis of data means studying the tabulated material in order to determine inherent factors or meaning. The researcher can not achieve his or her objective without the interpretation of the data collected with the help of tools used for the study. The raw scores have got their no value without their interpretation and generalization. The primary data collected on the students of various schools as per the outlined procedures was tabulated and analyzed extensively with the

help of statistical techniques.

H1: There Exists A Significant Difference in Anxiety Of Male And Female Senior Secondary School Students

Table 1

Significance difference in Anxiety of Male and Female Senior Secondary School Students.

Variable	Male (N=100)		Female (N=100)		df	't' Value	Level of Significance
	Mean	S.D.	Mean	S.D.			
Anxiety	32.68	17.06	33.08	17.01	298	0.199	N.S.

df = degree of freedom.

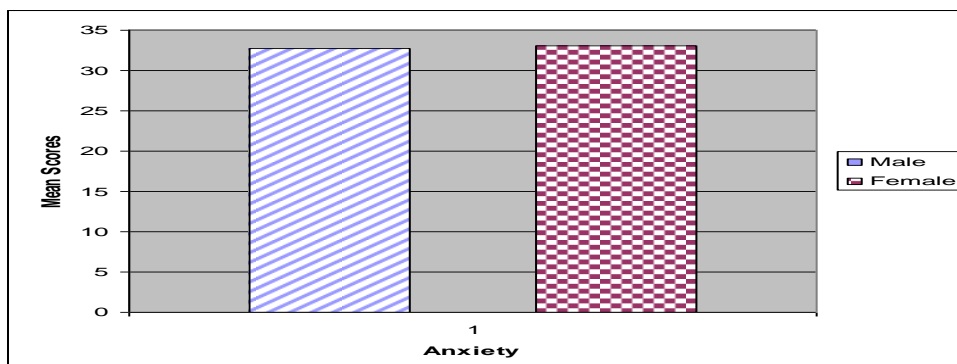
N.S. = not significant at 0.05 & 0.01 levels of significance.

Table 1 shows that calculated 't' value is (0.199) less than the table value at 0.05 and 0.01 level .The table value are 1.96 and 2.59 respectively. It indicates that there is no significant difference in anxiety of the male and female senior secondary school students.

Both the groups show the same anxiety level. The mild difference was due to sampling fluctuation. Hence the first research hypothesis which states that there is significant difference in anxiety of male and female senior secondary school students is rejected.

Figure 1

Mean scores of Anxiety of Male and Female Senior Secondary School Students.



H2: There Exists A Significant Difference in Anxiety Of Rural And Urban Senior Secondary School Students.

Table 2

Significance difference in Anxiety of Rural and Urban Senior Secondary School Students.

Variable	Rural (N=100)		Urban (N=100)		df	't' Value	Level of Significance
	Mean	S.D.	Mean	S.D.			
Anxiety	33.36	16.74	32.40	17.32	298	0.491	N.S.

df = degree of freedom.

N.S.= not significant at 0.05 & 0.01 levels of significance.

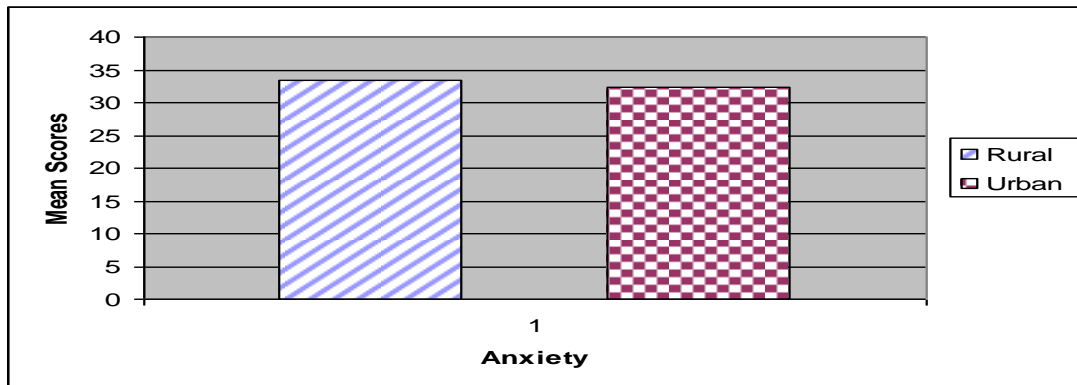
Table 2 shows that the calculated 't' value (0.491) of anxiety level of rural and urban senior

secondary school students is less than the table value at df of 298. These values are 1.96 and 2.59 at 0.05 level and 0.01 level respectively.

This indicates that there is no significant difference in anxiety of rural and urban senior secondary school students. Hence the second research hypothesis which states that there exists significant difference in anxiety of rural and urban senior secondary school students is rejected.

Figure 2

Mean scores of Anxiety of Rural and Urban Senior Secondary School Students.



H3: There Exists A Significant Difference in Anxiety Of Senior Secondary School Students Having Arts, Commerce, And Science Streams

Table 3

Significance difference in Anxiety of Senior Secondary School Students having Arts and Commerce streams.

Variable	Arts (N=100)		Commerce (N=100)		df	't' Value	Level of Significance
	Mean	S.D.	Mean	S.D.			
Anxiety	28.23	15.25	34.68	17.19	198	2.29	**

df = degree of freedom.

N.S. = not significant at 0.05 & 0.01 levels of significance.

*** = significant at 0.01 level.**

**** = significant at 0.05 level.**

Table 3 shows that the calculated 't' value (2.29) of anxiety of arts and commerce senior secondary school students is greater than the table value at df of 198. This is 1.96 and 2.59 respectively. So it shows that there is significant difference in anxiety of senior secondary school students having Arts and Commerce streams.

The mean score of senior secondary school students having commerce stream is 34.68 and the mean score of senior secondary school students having arts stream is 28.23. It indicates that the anxiety of senior secondary school students having commerce stream is greater than senior secondary school students having arts stream.

Figure 3

Mean scores of Anxiety of Senior secondary School Students having Arts and Commerce Streams

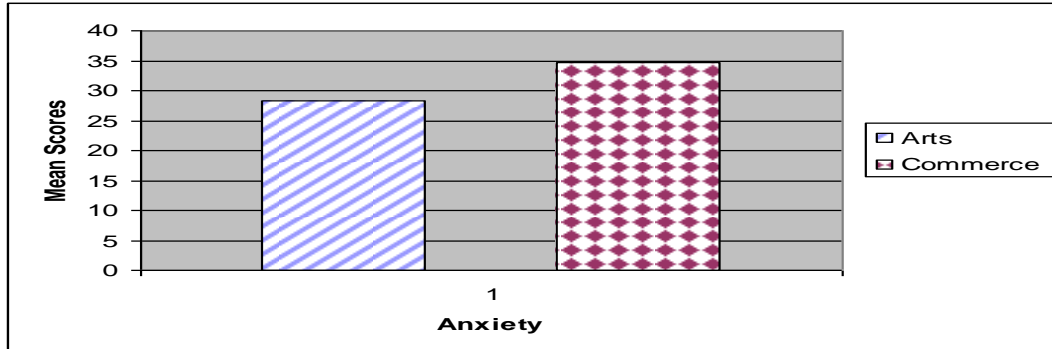


Table 4

Significance difference in anxiety of senior secondary school students having Commerce and Science streams.

Variable	Commerce (N=100)		Science (N=100)		df	't' Value	Level of Significance
	Mean	S.D.	Mean	S.D.			
Anxiety	34.68	17.19	35.74	17.68	198	0.42	N.S.

df = degree of freedom.

N.S.= not significant at 0.05 & 0.01 levels of significance.

* = Significant at 0.01 level.

** = Significant at 0.05 level.

Table 4 shows that calculated value 't' (0.42) of anxiety of senior secondary school students having commerce and science streams is less than the table value at df of 198. This is 1.96 and 2.59. So it shows that there is not significant difference between senior secondary school students having commerce and science stream. There is mild difference between two mean scores of both the stream.

Figure 4

Mean scores of Senior Secondary School Students having Commerce and Science Streams.

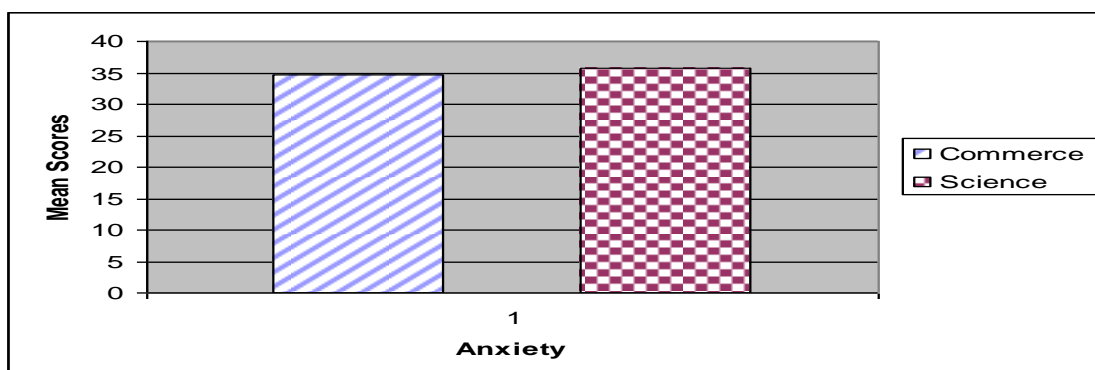


Table 5

Significance of difference in Anxiety of senior secondary school students having arts and Science streams.

Variable	Arts (N=100)		Science (N=100)		df	't' Value	Level of Significance
	Mean	S.D.	Mean	S.D.			
Anxiety	28.23	15.25	35.74	17.68	198	3.21	**

df = degree of freedom.

N.S. = not significant at 0.05 & 0.01 levels of significance.

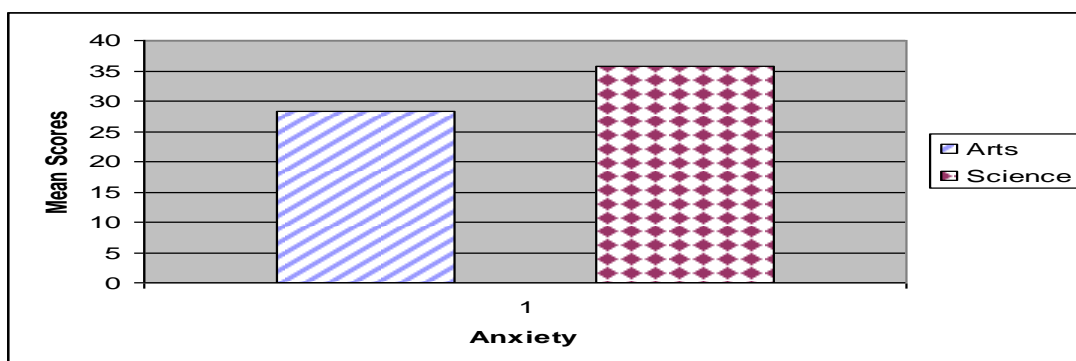
* = significant at 0.01 level.

** = significant at 0.05 level.

Table 5 shows that the calculated 't' value of (3.21) of anxiety of senior secondary school students having arts and science stream is greater than the table value at df of 198. This is significant difference between senior secondary school students having arts and science stream. The mean scores of senior secondary school students having Science stream is 35.74 which is more than senior secondary school students having arts stream. So this table shows that there is significant difference between senior secondary school students having arts and science streams.

Figure 5

Mean scores of Anxiety of senior secondary school students having Arts and Commerce streams.



H4: There Exists A Significant Difference in Anxiety Of Senior Secondary School Students Having High And Low Academic Achievement.

Table 6

Significance difference in anxiety senior secondary school students having High and Low academic achievement.

Variable	High Academic Achievement (N=48)		Low Academic Achievement (N=48)		df	't' Value	Level of Significance
	Mean	S.D.	Mean	S.D.			
Anxiety	34.06	18.00	31.57	19.71	75	0.5617	N.S.

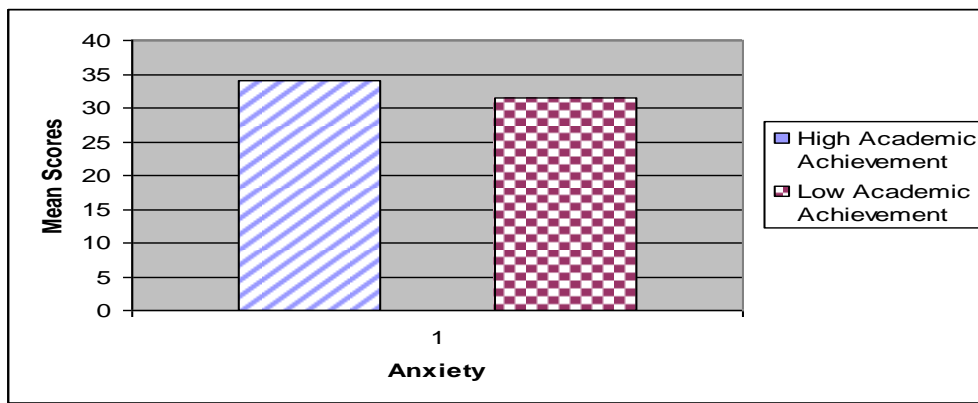
df = degree of freedom.

N.S.=not significant at 0.05 & 0.01 levels of significance.

Table 6 shows that calculated 't' value 0.56 of anxiety of senior secondary school students having the high and low academic achievement is less than the table value at df of 75. This is 1.96 and 2.58. So it shows that there is not significant difference in anxiety of senior secondary school students having high and low academic achievement.

Figure 6

Mean scores of Anxiety of Senior Secondary School Students having High and Low academic achievement.



CONCLUSIONS, IMPLICATION AND SUGGESTIONS

The ultimate goal of any research is to arrive at a final solution of the problem or an answer to the research question. Such a solution is in the nature of "Conclusion" from conclusion, educational implications are drawn and some recommendations are made to the future researches in the area concerned.

CONCLUSIONS

- 1 There exists no significant difference in anxiety of male and female senior secondary school students
- 2 There exists no significant difference in anxiety of rural and urban senior secondary school students.
- 3 There exists significant different of anxiety of senior secondary school students having Arts and commerce and science stream but there exists not significant difference of senior secondary school students having commerce and science stream.
- 4 There exists not significant difference of anxiety of senior secondary students having high and low academic achievement.

We found that there is significant difference in anxiety of the of senior secondary school students having arts and science and arts and commerce streams. There is no significant difference of anxiety of senior secondary school students having commerce and science streams. It reveals that the anxiety level of senior secondary school students having arts stream is low as

compared to senior secondary school students having commerce and science streams. But senior secondary school students having commerce and science streams have the same anxiety level. Hence the research hypothesis which states that there is significant difference in anxiety of senior secondary school students having arts, commerce and science streams is accepted in the arts and science, arts and commerce streams but rejected only between the senior secondary school students having science and commerce streams.

EDUCATIONAL IMPLICATIONS

The Most outstanding characteristic of any research is that it must contribute something how to the development of the area concerned. So the investigator has to field out the educational implications of the study. The present study has its own implications for the teachers, parents and students etc.

1. The study has implications in understanding the anxiety of students of senior secondary school.
2. The study provides important information regarding anxiety of male and female senior secondary school students.
3. The findings provide insights in understanding the effect of anxiety on Locality, Arts, Commerce and Science streams and Academic achievement. The results shall be very helpful for counselors, teachers and parents in guiding student in their career.
4. We can know the achievement level of students.
5. We can know the locality in which they learning anything.

SUGGESTIONS FOR FURTHER STUDIES

The following suggestions may be offered for further researches.

1. A comparative study can be conducted on a large sample representing two districts or more.
2. Further studies are suggested on college students.
3. More researcher are suggested on anxiety of students in relation to personality type of students.
4. Anxiety can be studied in relations to their intelligence and creativity.
5. The study can be further extended to exceptional children.
6. The study can be extended to at state and national level for understanding anxiety of students.
7. Anxiety of senior secondary school students may be studied in relations to age, socio-economic status.

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