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SELECT POPULATION VARIABLES IN RELATION TO HAPPINESS AMONG +2 MATHEMATICS STUDENTS

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Abstract:-In this study is aimed at finding out the difference between Happiness among +2 Mathematics students in terms of six variables viz. Sex, Residence, Family Type, Family Income, Participation in Sports & Games, and Dance & songs. It is revealed that Happiness is found more among Female students than Male students, those who Participate in Dance and Songs than their counterparts. It is found independent of their Residence, Family Type, Family Income, and Participation in Sports and Games.

Keywords: Mathematics Students , Sports & Games , mental or emotional .

NEED FOR THE STUDY

Happiness is a mental or emotional state of well-being characterized by positive or pleasant emotions ranging from contentment to intense joy. Everyone desires happiness. Happiness is our true nature. But in our life happiness is temporary. The quest of spirituality is the quest for permanent happiness. Man seeks this permanent happiness in his day to day life. Evaluating the experiences of one's life cognitively reflect happiness in the form of pleasures and satisfactions. Since the Mathematics accelerates the globe into a new dimension effectively, it is to be understood whether happiness is prevalent among +2 Mathematics students.

One of the important aims of Mathematics Education is to develop the logical reasoning abilities of students which are needed through out life. When students delve deeply into Mathematics, they gain not only a conceptual understanding of mathematical principles but also knowledge of valid reasoning. The significance of Mathematics as a discipline cannot be over emphasized due to its all pervasive applications as a tool in every sphere of human endeavours.

Needless to state that this period is full of stress and storm. A systematic attempt to find out the relationship between happiness and the variables viz. Sex, Residence, Family Type, Family Income, Participation in Sports & Games, and Dance & songs among +2 mathematics students is vitally felt needed. Hence the present study.

OBJECTIVE AND HYPOTHESES OF THE STUDY

The major objective of the study is to measure and find out whether there is any significant difference in Happiness among +2 Mathematics students in terms of the six variables viz. Sex, Residence, Family Type, Family Income, Participation in Sports & Games, and Dance & songs .

The following null hypotheses are formulated and tested.

1. There is no significant difference in happiness between Male and Female students.
2. There is no significant difference in happiness between Day scholars and Hostellers.
3. There is no significant difference in happiness between the students from Joint and Nuclear family.
4. There is no significant difference in happiness between the students with Adequate family income and others.
5. There is no significant difference in happiness between the students who Participate in Sports & Games and others.
6. There is no significant difference in happiness between the students who Participate in Dance & Songs and others.

METHODOLOGY OF THE STUDY

Method : Normative
 Technique : Survey
 Tool : Happiness Inventory constructed and standardized by K.Krishnan & A.Meenakshisundaram(1991)

SAMPLE

A stratified representative sample of 300 +2 students specializing in mathematics as an optional subject was constituted from the Government Higher Secondary Schools in Sivagangai Educational District.

STATISTICAL TREATMENT

Two-tailed 't' test for significant difference between means of large independent samples.

ANALYSIS & DISCUSSION

TABLE : STATISTICAL MEASURES AND RESULTS OF SIGNIFICANT DIFFERENCE IN HAPPINESS AMONG +2 MATHEMATICS STUDENTS :POPULATION VARIABLES -WISE

Variable	Sub Variable	N	M	σ	't' Value	Significance At 0.01 level
Gender	Male	157	33.4331	4.183	-2.692	-S
	Female	143	34.7133	4.050		
Residence	Day Scholar	262	33.9809	4.208	-0.726	*
	Hosteller	38	34.4737	3.864		
Family Type	Joint	220	34.1772	3.836	0.822	*
	Nuclear	80	33.6750	4.951		
Family income	Adequate	99	34.6465	4.251	1.746	*
	Inadequate	201	33.7463	4.100		
Participation in Sports & Games	Yes	176	34.3410	4.083	1.468	*
	No	124	33.6210	4.253		
Participation in Dance & Songs	Yes	113	35.0089	4.151	3.155	S
	No	187	33.4599	4.071		

S – denotes Significance at 0.01 level.
 * – denotes Not Significant.

The findings of the present study are as follows:

1. The 't' test reveals that there is a significant difference in happiness between male and female students. Further Happiness is found more among Female students than Male students.
2. There is a significant difference in happiness between the students who participate in Dance and Songs, and others. Further Happiness is found more among Participants in Dance and Songs than their counterparts.
3. There is no significant difference in Happiness between Dayscholars and Hostellers, students from Joint and Nuclear family, students with Adequate and Inadequate family income, and Participants and Non-Participants in Sports & Games.

CONCLUSION

Happiness is not just the destination. It is more a means. The more we are happy, the more we enjoy life. Many problems exist because of the non enjoyment of happiness.

The +2 Mathematics students in general are found moderately happy since their mean score is 34, while the theoretical average is 30 only. It is found depend upon two variables, viz. Gender and Participation in Dance & Songs while it is independent of the other four variables, viz. Residence, Family Type, Family Income and Participation in Sports and Games. Hence the proposed hypotheses have been conformed.

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