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A study of self-concept and self-image of cricketers in relation to performance

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Abstract

The purpose of the present study was to understand the Self-concept and Self-image of position holder inter-collegiate men cricket teams of Vidyasagar University. Top four inter-collegiate men cricket teams were selected for the study. The age of the subjects ranged between 17 to 25 years. Self-concept questionnaires (SCQ) by Dr. Raj Kumar Saraswat was used as criterion measure for Self-concept such as Physical, Social, Temperament, Educational, Moral, and Intellectual, and Self-image test (1962) by Doudlah was used as criterion measure for Self-image. The questionnaires were administered to the four top position holder intercollegiate men cricket teams of Vidyasagar University during 2017-201. One-Way Analysis of Variance (ANOVA) was used as a statistical measure to find out the statistical difference among the teams by putting the level of confidence at 0.05 level. It was found that all the Inter collegiate position holder cricket teams have equal Self-image.

Keywords: Self-Concept, self-image, cricket

Introduction

The game of cricket has a known history spanning from the 16th century to the present day, with international matches played since 1844, although the official history of international Test cricket began in 1877. During this time, the game developed from its origins in England into a game which is now played professionally in most of the Commonwealth of Nations. Self-Image is the mental picture, generally of a kind that is quite resistant to change, that depicts not only details that are potentially available to objective investigation by others (height, weight, hair colour, gender, I.Q. score, etc.), but also items that have been learned by that person about himself or herself, either from personal experiences or by internalizing the judgments of others. Many people lack a clear image of their bodies and do not take very good care of themselves. People would have a fairly accurate picture of their own bodies. After all, who is more familiar with our bodies than ourselves? Each day, we spend an unaccountable amount of time receiving messages from our bodies, bathing, touching and grooming ourselves. Naturally, we acquire a great deal of information about our bodies. But we have blind sports as well, so that our self-image only approximates rather than coincides with reality. Depersonalization, or un-embodiment – the sense of not being intimately attached to one's body is a major barrier. Persons using hallucinogenic drugs, such individuals may feel that parts of their bodies, usually their hands, do not belong to them. Traditionally, Body Image refers to the mental image we form of our bodies, recently, however, the term self-image has been expanded to include how we feel about our bodies as well, how satisfied or dissatisfied we are with our bodies, as the case may be. Since our society puts so much emphasis on physical appearance, we might expect that many people would be dissatisfied with their bodies.

Purpose of the study

1. To find out whether winner team is better in all the self-concept components.
2. To find out which team is better in all the Self-concept components.

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Methodology

Four top position holders of Inter Collegiate Men CRICKET teams of Vidyasagar, University were selected as subject for the purpose of the study. The age of the subjects ranged between 17 to 25 years. For the purpose of the study the following variables were selected.

1. Self-Concept

- a. Physical
- b. Social
- c. Temperament
- d. Educational

- e. Moral
- f. Intellectual

**2. Self- Image
Criterion measures**

1. For the assessment of Self-concept; Self-concept questionnaires (SCQ) by Dr. Raj Kumar Saraswat was used.
2. For the assessment of Self-image; Self-image test (1962) by Doudlah was used.

Result and Discussion

Table 1: Physical Component of Self-concept

Team	N	Minimum	Maximum	Mean	Std. Deviation
Midnapore College	15	24.00	36.00	28.8667	3.50238
Seba Bharati Mahavidyalaya	15	26.00	33.00	29.8000	2.04241
Mahisadal Raj College	15	27.00	34.00	30.6667	1.71825
Vidyasagar University P.G. Team	15	26.00	37.00	31.0667	3.34806
Total	60	24.00	37.00	30.1000	2.65277

From Table No. 1 it is evident that Midnapore College, Seba Bharati Mahavidyalaya, Mahisadal Raj College and Vidyasagar University P.G. Team was the best and then followed by Jhargram Raj College, K.D. College of Commerce, and then Panskura Banamali College in the

Physical component of self-concept as the mean score is 31.07, 30.67, 29.80 and 28.87 respectively. The overall mean score on physical of all the four different College teams is 30.10.

Table2: Descriptive Statistics of Social

	N	Minimum	Maximum	Mean	Std. Deviation
Midnapore College	15	26.00	34.00	29.7333	2.54858
Seba Bharati Mahavidyalaya	15	27.00	36.00	31.1333	3.20416
Mahisadal Raj College	15	27.00	35.00	30.8667	2.64215
Vidyasagar University P.G. Team	15	25.00	35.00	31.2667	3.34806
Total	60	25.00	36.00	30.75	2.93

From the above Table No. 2 it is evident that Vidyasagar University P.G. Team College was the best and then followed by Seba Bharati Mahavidyalaya College, Mahisadal Raj College and Midnapore College in social component of self-

concept as the mean score is 31.266, 31.133, 30.866 and 29.733 respectively. The overall mean score on Social component of all the four different College teams is 30.75.

Table 3: Descriptive Statistics of Temperament

	N	Minimum	Maximum	Mean	Std. Deviation
Midnapore	15	27.00	33.00	29.2667	1.62422
Seba Bharati Mahavidyalaya	15	25.00	33.00	30.9333	2.37447
Mahisadal Raj College, Anand College	15	25.00	35.00	30.6667	3.15474
Vidyasagar University P.G. Team	15	26.00	36.00	30.7333	2.84019
Total	60	25.00	36.00	30.4000	2.49840

From the above Table No. 3 it is evident that SEBA Bharati Mahavidyalaya College was the best and then followed by Vidyasagar University P.G. Team College, Mahisadal Raj College, and then Midnapore College in Temperament

component of self-concept as the mean score is 30.933, 30.733, 30.660 and 29.266 respectively. The overall mean score on Temperament component of all the four different College teams is 30.400.

Table 4: Descriptive Statistics of Educational

	N	Minimum	Maximum	Mean	Std. Deviation
Midnapore	15	22.00	36.00	29.8000	4.26280
Seba Bharati Mahavidyalaya	15	23.00	37.00	30.0667	3.88158
Mahisadal Raj College	15	24.00	38.00	29.8000	4.00357
Vidyasagar University P.G. Team	15	21.00	36.00	28.6667	4.33699
Total	60	21.00	38.00	29.5833	4.12123

From the above Table No. 4 it is evident that SEBA Bharati Mahavidyalaya College was the best and then followed by Midnapore College, Mahisadal Raj College and Then Vidyasagar University P.G. Team College in educational

component of self-concept as the mean score is 30.066, 29.800, 29.800 and 28.666 respectively. The overall mean score on Educational component of all the four different College teams is 29.583.

Table 5: Descriptive Statistics of Moral

	N	Minimum	Maximum	Mean	Std. Deviation
Midnapore	15	28.00	38.00	32.5333	2.82506
Seba Bharati Mahavidyalaya	15	28.00	37.00	32.1333	2.61498
Mahisadal Raj College	15	24.00	35.00	31.9333	3.10453
Vidyasagar University P.G. Team	15	24.00	36.00	31.3333	2.96808
Total	15	24.00	38.00	31.9833	2.87816

From the above Table No. 5 it is evident that Midnapore was The Best and Then Followed By Seba Bharati Mahavidyalaya, Mahisadal Raj College and Then Vidyasagar University P.G. Team in Moral component of self-concepts

the mean score is 32.533, 32.133, 31.933 and 31.333 respectively. The overall mean score on Moral component of all the four different College teams is 31.983.

Table 6: Descriptive statistics of intellectual

	N	Minimum	Maximum	Mean	Std. Deviation
Midnapore	15	21.00	33.00	26.8000	3.07525
Seba Bharati Mahavidyalaya	15	25.00	36.00	30.0667	2.96327
Mahisadal Raj College	15	24.00	36.00	29.6000	3.50102
Vidyasagar University P.G. Team	15	24.00	38.00	29.7333	3.73146
Total	15	21.00	38.00	29.0500	3.31775

From the above Table No. 6 it is evident that SEBA Bharati Mahavidyalaya College Was The Best and Then Followed By Vidyasagar University P.G. Team, Mahisadal Raj College and Midnapore College in Intellectual component of self-concepts

the mean score is 30.066, 29.733, 29.600 and 26.800 respectively. The overall mean score on Intellectual component of all the four different College teams is 29.050.

Table 7: Anova

		Sum of Squares	df	Mean Square	F	Sig.
Physical	Between Groups	43.000	3	14.333	1.874	.145
	Within Groups	428.400	56	7.650		
	Total	471.400	59			
Social	Between Groups	21.917	3	7.306	.836	.480
	Within Groups	489.333	56	8.738		
	Total	511.250	59			
Temperament	Between Groups	26.267	3	8.756	1.332	.273
	Within Groups	368.133	56	6.574		
	Total	394.400	59			
Educational	Between Groups	17.517	3	5.839	.343	.794
	Within Groups	953.067	56	17.019		
	Total	970.583	59			
Moral	Between Groups	11.250	3	3.750	.451	.718
	Within Groups	465.733	56	8.317		
	Total	476.983	59			
Intellectual	Between Groups	102.983	3	34.328	3.091	.034
	Within Groups	621.867	56	11.105		
	Total	724.850	59			

*. The mean difference is significant at the 0.05 level.

In the above Table No. 7 when tested between the groups and within the groups in various components of self-concept, significant difference was found in Intellectual as the p-value 0.034 which is lesser than 0.05 level of confidence. Thus we can conclude that teams differ in their Self-concept component of Intellectual. No significant difference were found in Physical, Social, Educational, Moral and Temperament as the p-value were 0.145, 0.480, 0.273, 0.794 and 0.718 respectively, which is greater than 0.05 level of confidence. Thus we can conclude that all the teams were equal in the Self-concept components of Physical, Social, Educational, Moral and Temperament. Where ever significant difference was found paired-wise multiple comparisons was done in order to see the difference among the teams.

In the above Table No. 8 Pairwise Multiple Comparison is done to see the differences among the teams and we can see in the Self-concept component of physical when compared between Midnapore College and Vidyasagar University P.G.

TEAM and the mean difference is -2.200. Again when we compared between vidyasagar university P.G. team College and MIDNAPORE College the mean difference is 2.200.

In the Self-concept component of Intellectual when compared between Midnapore College and Seba Bharati Mahavidyalaya College and Mahisadal Raj College And Vidyasagar University P.G. Team College the mean difference is -3.267, -2.800 and -2.933 respectively. Again when compared between SEBA Bharati Mahavidyalaya College and Midnapore College the mean difference is 3.267. Again when compared between Mahisadal Raj College and Midnapore College, the mean difference is 2.800. Further when compared between Vidyasagar University P.G. Team and Midnapore the mean difference is 2.933. The Analysis of data pertinent to Self-image of inter-collegiate man cricket players is presented in the TABLE No. 9 to 10 and in the figure No. 7.

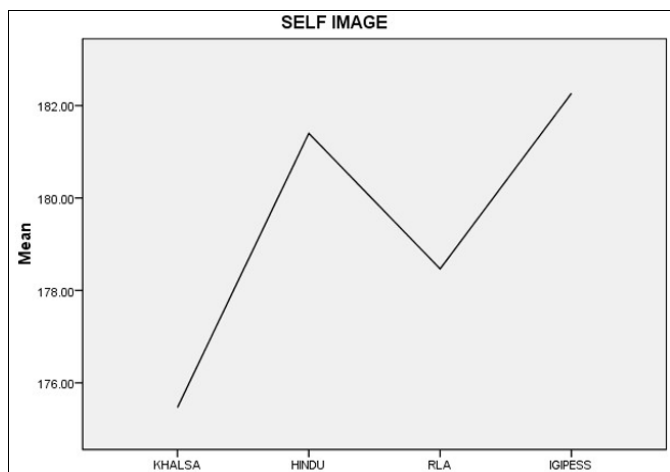


Fig 1: The mean graphical representation on Self-Image

Further according to variability scores, that is the Standard Deviation, Mahisadal Raj College Anand College was the best and then followed by Vidyasagar University P.G. Team College, Seba Bharati Mahavidyalaya College and then Midnapore College as the Standard

Deviation score is 13.989, 17.327, 19.711 and 22.032 respectively. The overall Standard Deviation on Self-Image of all four different College teams is 18.229. The mean graphical representation on Self-Image is shown on above Figure No.7.

To see statistically significant difference among the teams in Selfimage of inter-collegiate cricket players, One-Way Analysis of Variance was computed and presented in the table No. 10.

Table 10: Anova Self-image

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	428.400	3	142.800	.417	.741
Within Groups	19178.000	56	342.464		
Total	19606.400	59			

From the above Table No. 10 we can see no statistically significant difference was found when tested between the groups and within the groups in Self-image as the calculated p-value is 0.741 which is greater than 0.05 level of confidence. Thus we can conclude that all the Inter collegiate position holder cricket teams have equal Self-image.

Discussion of Findings

The present study was taken to understand the Self-concept and Self-image of Inter Collegiate position holder male cricket teams. Analysis of Variance tells that significant difference was found in Intellectual as the p value were 0.034, which are lesser than 0.05 level of confidence. Thus we can conclude that teams differ in their Intellectual component of Self-concept. Further Pair wise Multiple Comparison is done to see which team is better than with which team. So in the Physical component of Self-concept when compared between Midnapore College and Vidyasagar University P.G. Team the mean difference is -2.200. Again when we compared between Vidyasagar University P.G. Team College and Midnapore College the mean difference is 2.200. Physical is the individual’s view of their Body, Health, Physical appearance and Strength which is very important for any athlete to achieve success. Thus we can conclude that all the inter-collegiate position holder male cricket team have Midnapore College and Vidyasagar University P.G. Team College differ in physical components.

In the Intellectual component of Self-concept when compared between Midnapore College and Seba Bharati Mahavidyalaya College and Mahisadal Raj College and Vidyasagar University P.G. Team the mean difference is -3.267, -2.800 and -2.933 respectively. Again when compared between Seba Bharati Mahavidyalaya College and Midnapore College the mean difference is 3.267. Further when compared between Mahisadal Raj College and Midnapore the mean difference is 2.800 and again when compared between Vidyasagar University P.G. Team and Midnapore College the mean difference is 2.933. Thus we can conclude that there is a significant difference in Mahisadal Raj College and Midnapore and Vidyasagar University P.G. Team and Midnapore Ein intellectual components.

No significant difference were found in Physical, Social, Temperament, Educational and Moral as the p-value 0.145, 0.480, 0.273, 0.794 and 0.718 respectively, which are greater than 0.05 level of confidence of Physical, Social, Temperament, Educational and Moral.

Further Analysis of Variance tells that no statistically significant difference was found in the Self Image of Inter-Collegiate man cricket teams when tested between the groups and within the groups as the calculated p-value is 0.741 which is greater than 0.05 level of confidence. Thus we can conclude that all the Inter collegiate position male cricket teams have equal self-image.

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