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A comparative study on the personality traits among handball players of Kalaburagi division at different levels of performance

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Abstract

The present study aims to explore the Personality traits among Handball players of Kalaburagi division at different levels of performance. To achieve the purpose of the study 150 Handball players of Kalaburagi, Ballary, Raichur, Koppal, Bidar and Yadgir districts of Kalaburagi Division in the Karnataka State were selected from different levels of performance and participation. The Catell's 16 PF Form C Questionnaire was used to measure the personality traits of Handball players.

The results shown significant differences among Handball players at different levels of performance on personality trait factor A. The gender of Handball players have significantly differential effects on personality traits of Handball players at different levels of performance on factors of reserved, detached, outgoing, warm hearted. There are significant differences in personality traits among first born and later born Handball players. Also there were significant differences in personality traits between the joint family and nuclear family Handball players at different levels of performance on factors of reserved, detached, outgoing, warm hearted.

Keywords: Personality, handball, performance, players

Introduction

Sports and games are parts of physical education and essential elements for the growth and development of physical, mental and psychological aspects of an individual. Kamlesh (1993) considers that education aims to improve and develop the total personality of individual. But the role of play, in this process, is not of less significance "No other activity is wholesome as play. In the absence of play from the human life, living would be dull and drab, most uninteresting and uninspiring". Physical activities and movements in sports, games and competitive events increase the worth and charm of life, enlighten new vistas besides increasing development of human organs, tissues, nerves, muscles and bones etc.

The study of personality has intrigued psychologists for well over a century, and sports psychologists have been no exception. According to Ruffer (1975, 1976a, 1976b), almost 600 studies of the personality sports performance relationship were conducted prior to the mid 1970s alone. Fisher (1984) set the figure at well over 1,000. More recent estimates are not available, but it is certain that the number is substantially larger at this date.

Though skepticism has been expressed about the type and quality of inquiry done in many of these investigations, the quest for the link between sports and personality continues unabated.

Good numbers of studies have been made to investigate the differences between athletic sub-groups, Handball players and non-Handball players, successful and unsuccessful Handball players and team and individual Handball players in the light of psychological, sociological, genetic and demographic etc.

Statement of the Problem

A comparative study on the Personality traits among Handball players of Kalaburagi division at different levels of performance.

Objectives of the Study

1. To find out differences among Handball players at different levels of performance on personality trait factor A.

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2. To analyze whether gender of Handball players have significantly differential effects on personality traits of Handball players at different levels of performance on factor A.
3. To explore the difference in personality traits among first born and later born Handball players on personality trait factor A.
4. To examine the differences on personality trait factor A between the joint family and nuclear family Handball players at different levels of performance.

Materials and methods

Sports achievement is always many sided phenomena in the sense that it depends on many factors such as ethnological, techno tactical action, motor fitness, physiological conditioning and psychological factors like motivation, personality emotions, learning, self-esteem, etc.

The review of literature has shown that the research in the sports psychology, have studied men and women separately, not much interest has been focused on the Handball players personality. Hence the present investigator has felt necessary to conduct a comparative study of personality traits of Handball players of six districts of Kalaburagi division at different levels of performance.

Samples and Sample Design

The present study was conducted on 150 Handball players of Kalaburagi, Ballary, Raichur, Koppal, Bidar and Yadgir districts of Kalaburagi Division in Karnataka State.

Keeping in view of objectives of the present study Handball players were selected from different levels of performance/participation. The following table gives the details of the levels of participation and composition of participation.

Table of Samples

S. N.	Handball players	No. of Handball players
1.	Pre. University. Level Handball players	50
2.	College level Handball players	50
3.	University level Handball players	50

Tool

The following standardized questionnaire was used in the present study to measure personality traits of Handball players.

1. Catell's 16 PF Form C Questionnaire

A description of the test scales and the rational for the selection is given in the following lines.

The present test is Form 'C' of 16 P.F. which has 8 items for factor B scale, 7 items for motivational distortion scale and 6 items for each of the remaining scales. The questions are arranged in a roughly cyclic order determined by a plan to give maximum convenience in scoring by stencil and to ensure variety and interest. Motivational distortion scale is aimed to minimize distortion and deliberate faking. If rapport is established and time is taken to make the subject realize the importance of careful and truthful responses and that accurate results will contribute to his own welfare and better understanding of his self, it would be good step towards achieving a good measure.

It can be administered individually and in groups. There is no time limit for completing the test. Subjects are requested to

complete as early as possible.

Scoring

Personality factor A test is scored according to the instructions given in the manual of questionnaire. The scoring was done manually. After completing the score of 150 Handball players they were statistically analyzed to answer the objectives of the study formulated in the present research.

Results and Discussion

The obtained raw data was subjected to appropriate statistical analysis to find out answers to the objectives laid down and to find out the possible differences among Pre-University level, College level and University level Handball players have been stated.

To find out the differences between the mean scores of Handball players on personality traits and 'F' ratio was calculated. For the samples sub group difference due to the gender, order of birth and family composition, analysis of variance has been done.

The major concern of the study was to examine the differences in personality traits of Handball players at different level of performance. Accordingly data were processed and presented in the following sections.

Personality traits of Handball players at different levels of performance

The development of sportsmen and women to enable them to achieve high is not only confined to physical process of physical fitness rather it is accepted phenomena that psycho-socio-traits are also required to maintain the balance. The involvement of psychological factors in sports has largely arisen from interest in areas such as personality, motivation, emotions and motivation of individual psychology. One's personality encompasses his many traits. Though these personality traits differ from person to person, sports to sports and from high level to low level performance. Combination of personality traits and physical activities may be used for modifying one's behavior.

To find out the personality traits of Handball players at different levels of participation, mean scores. Standard deviation and analysis of variance were calculated and data pertaining to personality traits are presented in the following tables.

Personality Factor A

Low score direction

Reserved, detached,
Critical, cool.
(Sizothymia)

High score direction

Outgoing, warm
Vs hearted, easy going
(Affectothymia)

Table 1: Shows Mean and SD of personality traits of Handball players different levels of performance on factor A of 16 PF

Sl. No.	Levels of Performance	N	Mean	SD
1	Pre University Level	50	3.10	1.21
2	College Level	50	3.65	1.60
3	University Level	50	3.48	1.39
Total			150	

Table 1 presents means and SDs of Handball players at different levels of performance. It can be observed from the table that the mean score of athlete at Pre-university 3.10, College level 3.65 and University level 3.48 is significant on factors of reserved, detached, outgoing and warm hearted.

Table 2: Analysis of variance of Mean scores of personality traits of Handball players at different level of performance on factor A of 16 PF

Description	Sum of Squares	Df	Mean Square	F
Between groups	17.362	2	9.126	5.461*
Within groups	306.92	147	2.124	
Total	324.282	149		

* Significant at 0.05 level.

It is evident from the table 2 the obtained value of 5.461 is significant at 0.05 level significance with 149 d.f. on factors of reserved, detached, outgoing, warm hearted.

Table 3: Analysis of variance of Mean scores of personality traits of Handball players at different levels of performance on factor A of 16 PF due to difference in Gender

Description	Sum of Squares	Df	Mean Square	F
Between groups	13.689	1	13.654	4.657*
Within groups	304.624	148	2.146	
Total	318.313	149		

* Significant at 0.05 level.

It is evident from the table 3 the obtained value of 4.657 is significant at 0.05 level of significance with 149 d.f. since the gender have significantly differential effects on personality traits of Handball players at different levels of performance on factors of reserved, detached, outgoing, warm hearted.

Table 4: Analysis of variance of Mean scores of personality traits of Handball players at different levels of performance on factor A of 16 PF due to their Order of Birth

Description	Sum of Squares	Df	Mean Square	F
Between groups	14.214	1	14.765	5.146*
Within groups	311.451	148	2.457	
Total	325.665	149		

* Significant at 0.05 level.

The above table 4 presents the analysis of variance of personality traits scores among first born and later born Handball players. It is evident from the above table that the obtained value of F 5.146 is significant at 0.05 levels of significance with 149 d.f.

The table 4 shows that there are significant difference in personality traits among first born and later born Handball players on factors of reserved, detached, outgoing, warm hearted.

Table 5: Analysis of variance of Mean scores of personality traits of Handball players at different levels of performance on factor A of 16 PF due to their Family Composition

Description	Sum of Squares	Df	Mean Square	F
Between groups	1.215	1	1.107	0.528 ^{NS}
Within groups	312.652	148	2.096	
Total	313.867	149		

The table 5 reveals that there were significant differences in personality traits between the joint family and nuclear family Handball players at different levels of performance on factors of reserved, detached, outgoing, warm hearted.

Conclusions

In modern competitive sports world sports psychology plays very important role in making successful and tough minded sportsmen and women. The development of sportsmen to enables him to achieve which is not only confine to physical

process of physical fitness rather it is accepted phenomena that psycho-social traits are also required to maintain the balance. The involvement of psychology in sports has largely arisen from interest in areas such as personality, emotional status, motivation and many other psychological factors.

1. There are significant differences among Handball players at different levels of performance on personality trait factor A.
2. The gender of Handball players have significantly differential effects on personality traits of Handball players at different levels of performance on factors of reserved, detached, outgoing, warm hearted.
3. There are significant difference in personality traits among first born and later born Handball players on factors of reserved, detached, outgoing, warm hearted.
4. There were significant differences in personality traits between the joint family and nuclear family Handball players at different levels of performance on factors of reserved, detached, outgoing, warm hearted.

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