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Comprehensive study of gender differences in personality characteristics of collegiate Kho Kho players

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Abstract

The aim of the study was to find out the gender difference in Personality traits of Inter collegiate male and Female Kho Kho players with regard to psychoticism, neuroticism, extraversion, and Lie score. For this present study, 50 male and 50 female Kho Kho players were selected as a subject. The Eysenck Personality Inventory (E.P.I.) was used to measure Psychoticism, extraversion and neuroticism of Kho Kho players, ratios has been used to compare the significantly gender difference between male and female Kho Kho players who were participated in Inter collegiate Kho Kho tournament held at C.C.S. University, Meerut, Uttar Pradesh. Gender differences on Psychoticism was found between male and female Kho Kho players ($t = 2.87; p < .05$) where female players more psychotic than male. While analyzing the differences of Personality characteristic of male and female Kho Kho players, gender differences on neuroticism was found between male and female Inter collegiate Kho Kho players ($t=3.52, p < .01$), where the male Kho Kho players was found to have less score on neuroticism. So, far extraversion was concerned, significant gender difference was found to the male and female Inter-Collegiate Kho Kho players ($t=2.56, p<.05$), male Kho Kho players has lower extraversion. Hence, a female Kho Kho player was more extravert.

Keywords: Psychoticism, extraversion, neuroticism, gender

Introduction

Kho Kho is a traditional Indian sport, being one of the oldest outdoor sports dating back to ancient India. It is the second most popular traditional tag game in the Indian subcontinent after Kabaddi. Kho-Kho is played on a rectangular court with a central lane connecting two poles which are at either end of the court. During the game, nine players from the chasing team (attacking team) are on the field, with eight of them sitting (crouched) in the central lane, while three "runners" from the defending team run around the court and try to avoid being touched. Each sitting player on the chasing team sits facing alternating directions from the central lane. At any time, one player on the chasing team (the "active chaser" or "attacker") may run around the court to attempt to tag (touch) members of the defending team, with one point scored per tag, and each tagged defender required to leave the field; however, the active chaser can not cross the central lane to access the other half of the field, and also must only run in the direction (facing either pole) they took their first step in. The chasing team can get around these restrictions if the active chaser either switches roles with a sitting teammate (by touching them on the back while saying "Kho") who is facing the other half of the court and therefore has access to it, or runs to either pole and then switches direction/half. Each team has two turns to score and two turns to defend, with each turn lasting nine minutes. The team that scores the most points by the end of the game wins.

The sport is widely played across South Asia, and also has a strong presence in the regions outside South Asia, such as South Africa and England. It is played most often by school children in India and Pakistan and is a competitive game. The first league of its kind called Ultimate Kho Kho was unveiled in India in August 2022.

The Kho Kho game is simple in nature, easy to organize and less expensive. Hence Kho Kho reach to common people and both sex.

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Sports performance has been found to be related to some personality variables. Psychoticism, Extraversion and neuroticism are among the variables which influence by sports performance with addition to many other personality variables. Psychoticism is the tendency in a person to be not caring for people, troublesome insensitive and not fitting in any where lacking in feeling and empathy. Neuroticism is a minor mental disorder, characterized by inner struggles and discordant social relationship. According to Eysenck "Neuroticism refer to emotionality, initiated by the inherited differences in liability and excitability of autonomic nervous system. The extroversion is a personality traits. The extrovert persons orientation is towards the external world. He deals people intelligently in social situation. He is conventional, outgoing, social. Friendly and face from worries. In Eysenck's term, extraversion stands for central excitatory / inhibitory level and sociability. Lie scale is refer to social desirability measures a tendency on the part of some individuals take good. Majority of the investigator have indicated that male Kho Kho players differ from female Kho Kho players on a number of personality traits and several investigator have tried to find personality differences between male and female Kho Kho players, but not many studies have been made about personality characteristics of inter collegiate male and female with regards to psychoticism, neuroticism and extroversion, So the attempt has been made to conduct the study regarding neuroticism psychoticism and extroversion of inter collegiate male and female Kho Kho players.

Hypotheses of the study

There would be no significant gender difference with regard to (i) Psychoticism (ii) Neuroticism (iii) Extroversion (iv) Lie Score of the Male and Female inter collegiate Kho Kho players.

Significance of the Study

To find out the gender differences in personality characteristics of inter collegiate male and female Kho Kho players with respect to Psychoticism, neuroticism, extraversion and Lie scale.

Methodology

In this section, Selection of subject, Administration of the test, and Statistical Analysis procedure have been described.

Selection of Subjects

Total 50 male and 50 female Kho Kho players from different college. Who were participating in Collegiate tournament held at C.C.S. University, 2019 were randomly selected as a subjects for the present study.

Administration of the Test

EYSENCK'S Personality Inventory (1985) were distributed to the males and females Kho Kho players, before filling the EPI, instruction were given by the investigator to the players. Statistical Analysis t-ratio was computed to compare, the significant differences between inter-collegiate male and female Kho Kho players. The data were analyzed in basic language of the Computer Centre, Meerut, Uttar Pradesh. All the analysis used were based on "Standard Statistical Packages".

Results and Discussion

The results of the present study in statistical form are

presented in Table 1 and 4.

Table 1: Mean Scores, Standard Deviations and t-ratio of Psychoticism for Male and Female Kho Kho Players

Sr. No.	Kho Kho Players	No.	Mean	S.D.	t-ratio
1.	Male	50	11.09	3.22	2.87*
2.	Female	50	12.62	4.01	

*Significant at .05 Level

The findings of Table 1, reveals that there was significant gender difference between male and female inter-collegiate Kho Kho players. ($t=2.87$, $R<.05$), in psychoticism diminution of personality. The female having more psychotic as compared to males, which means that the male Kho Kho player having less psychotic than female Kho Kho players. Thus the hypothesis was not accepted. This may be due to nutritional habits, interest to participate in sports activities and parental motivation to involve sports activities of male and female Kho Kho players.

Table 2: Mean Scores, Standard Deviations and t-Ratio of Neuroticism for Male and Female Kho Kho Players

Sr. No.	Kho Kho Players	No.	Mean	S.D.	t-ratio
1.	Male	50	9.88	2.38	1.88*
2.	Female	50	11.01	3.52	

*Not significant

As Table 2 shows no significant gender difference was found out in the extraversion of the inter-collegiate Kho Kho players. ($t=1.88$).

Table 3: Mean Scores, Standard Deviations and t-Ratio of Extraversion for Male and Female Kho Kho Players

Sr. No.	Kho Kho Players	No.	Mean	S.D.	t-ratio
1.	Male	50	13.17	2.01	3.75*
2.	Female	50	14.90	2.56	

*Significant at .01 Level.

As Table 3 shows a significant gender difference was found of in the extraversion of the inter-collegiate Kho Kho players. ($t=3.75$, $p<.01$), the female having more extrovert as compared to males, which means that the male Kho Kho players less extrovert than female Kho Kho players. Thus the hypothesis was not accepted. There difference is probably due to emotional, biological and social difference between the male and female Kho Kho players.

Table 4: Mean Scores, Standard Deviations and t-ratio of Lie Scale for Male and Female Kho Kho Players

Sr. No.	Kho Kho Players	No.	Mean	S.D.	t-ratio
1.	Male	50	10.07	3.09	
2.	Female	50	11.28	3.36	.45* 1.85 NS

* Not Significant

The findings of Table 4, that there is no significant gender difference between male and female intercollegiate Kho Kho players. ($t=1.85$). It may be due to similarity of the nature of game. Thus the hypothesis was accepted.

Conclusion

1. There was significant gender differences in psychoticism of inter-collegiate Kho Kho players, the males having less psychotic than female Kho Kho players.
2. There was no significant gender differences in

- neuroticism of inter-collegiate Kho Kho players, the males having less neurotic tendency than the females.
- 3. There was significant gender differences in extraversion of inter-collegiate Kho Kho players. The males are found to be less extrovert than the females.
 - 4. There was no significant gender differences in Lie-score of inter-collegiate Kho Kho players.

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