

Personality Characteristics Between Table-Tennis and Lawn-Tennis Players

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Abstract: The objective of the study is to determine the differences of personality characteristics of Table-tennis and Lawn Tennis Players. The data was collected through respondents from 150 Lawn-tennis and 150 Table –tennis players. Eysenck Personality Questionnaire - Revised (EPQ-R) was used to measure four personality characteristics of Table-tennis and Lawn Tennis Players. The result of the shows the there were significant difference between neuroticism, psychoticism and extraversion between Table tennis and lawn tennis players. However no significant difference was found in lie scale between these two groups players. Table-tennis player's having more, neurotic psychotic tendency as compared to Lawn-tennis players

Keywords: Personality, Table Tennis, Lawn Tennis.

I. INTRODUCTION

Lawn tennis need more strength, stamina and a better condition to play tennis well. Speed is important in terms of running quickly, more than in table tennis Personality is the more or less stable and enduring organization of a person's character, temperament, intellect and physique which determines the unique adjustment to the environment (Eysenck). Personality is the unique pattern of behaviour and characteristics a person/athlete displays. Some psychologists believe success or failure on the sports pitch is determined by personality. Personality traits reflect people's characteristic patterns of thoughts, feelings, and behaviours. Personality traits imply consistency and stability—someone who scores high on a specific trait like Extraversion is expected to be sociable in different situations and over time. Personality has been defined as the relatively stable organization of an individual's character, temperament, intellect, and physique, which shapes the individual's behaviour and his or her actions in a given situation. Lawn tennis and Table tennis competitors play one of the fastest ball games in the world and their performance is the result of a complex myriad of factors. The athletes have been found to possess various personality characteristics that are at significantly higher levels than those of less-than-elite athletes. personality is composed not only of core psychological characteristics but also of an arsenal of plans, strategies, and skills that individuals implement to achieve their goals. Several investigator have tried to find personality differences between sports and non-sports person, but not many studies have been made about personality characteristics between lawn tennis and table tennis players with regards to psychoticism, neuroticism and extroversion, So the attempt has been made to conduct the study regarding neuroticism, psychoticism and extroversion of lawn tennis and table tennis players.

II. METHODS

Total 150 Table-tennis and 150 Lawn-tennis players were selected as the subject for the present study. Who had participated in inter district tournaments were randomly selected as subject for the present study. Their age ranged from 15-30 years. The study depends mainly on primary source of data. The data was collected through respondents from 150 Lawn-tennis and 150 Table –tennis players. This study involves a cross sectional, comparative study between lawn tennis and table tennis players, the research design is descriptive survey design.

Tools of the study:-

Eysenck Personality Questionnaire - Revised (EPQ-R) was used. The EPQ measures the traits of personality: Psychoticism (P),(Extraversion),Neuroticism (N)and Lie (L). Reliability ranges are 0.80 to 0.90 and validity of test is satisfactory. EPQ-R contains 90 items and covers all the four categories above mentioned. Scoring of EPQ-R can be done manually or with the help of stencils. 1 mark for each response correct responses according to scoring key of EPQ-R.

Scoring Key of EPQ-R Scale Mode of Response Items Score are as:

Psychoticism: 2, 6, 9, 11, 18, 53, 57, 61, 71, 90 1 'YES' 22, 26, 30, 33, 43, 46, 50, 65, 67, 74, 76, 79, 83, 87

Neuroticism: 3, 7, 12, 15, 19, 23, 27, 31, 34, 37, 38, 41, 47, 54, 58, 62, 66, 68, 72, 75, 77, 80, 84, 88

Extraversion: '21, 29, 42 1 1, 5, 10, 14, 17, 25, 32, 36, 40, 45, 49, 52, 56, 60, 64, 70, 82, 86

LIE SCALE : 4, 8, 16, 24, 28, 39, 44, 48, 51, 59, 63, 69, 73, 81, 85, 113, 20, 35, 55, 78, 89 After calculation of raw scores of P E N L, there is a conversion table to convert raw scores into Sten Scores.

Collection of data:

Data was collected individually through a questionnaire from 150 Table-tennis players and 150 Lawn-tennis players by contacting players at the venue of Inter district collegiate and state tournaments. EYSENCK'S personality inventory (E.P.I.) (1985) were distributed to the Lawn-tennis and Table-tennis players, before filling the EPI, instruction were given by the investigator to the players.

Statistical technique:

The collected data was analyzed as a whole and fragments .The data was checked for accuracy and completeness and was coded and put up into the SPSS Descriptive statistics for all studied variables, T-test, was considered statistically technique throughout the study. The level of significant was set-up at 0.05 level.

III. RESULT AND DISCUSSION

The results concerning this are presented in the form of tables and also illustrated with the help of suitable figures where ever necessary. For the sake of t-ratio and methodical presentation of the results, following order has been adopted.

Table 1 Personal characteristics of Table-tennis players.

Components	Table-tennis players.		Lawn-tennis players.	
	Mean scores	S Standard Deviations	Mean scores	S standard Deviations
Age (years)	1 22.33	5.26	2 24.05	4.66
Weight (Kg.)	6 65.88	1 14.59	6 69.23	1 17.30
Height(cm.)	1 167.25	2 25.90	1 175.32	2 24.60
Competition in one year	1 5.20	2.56	8. 8.93	1. 8.66

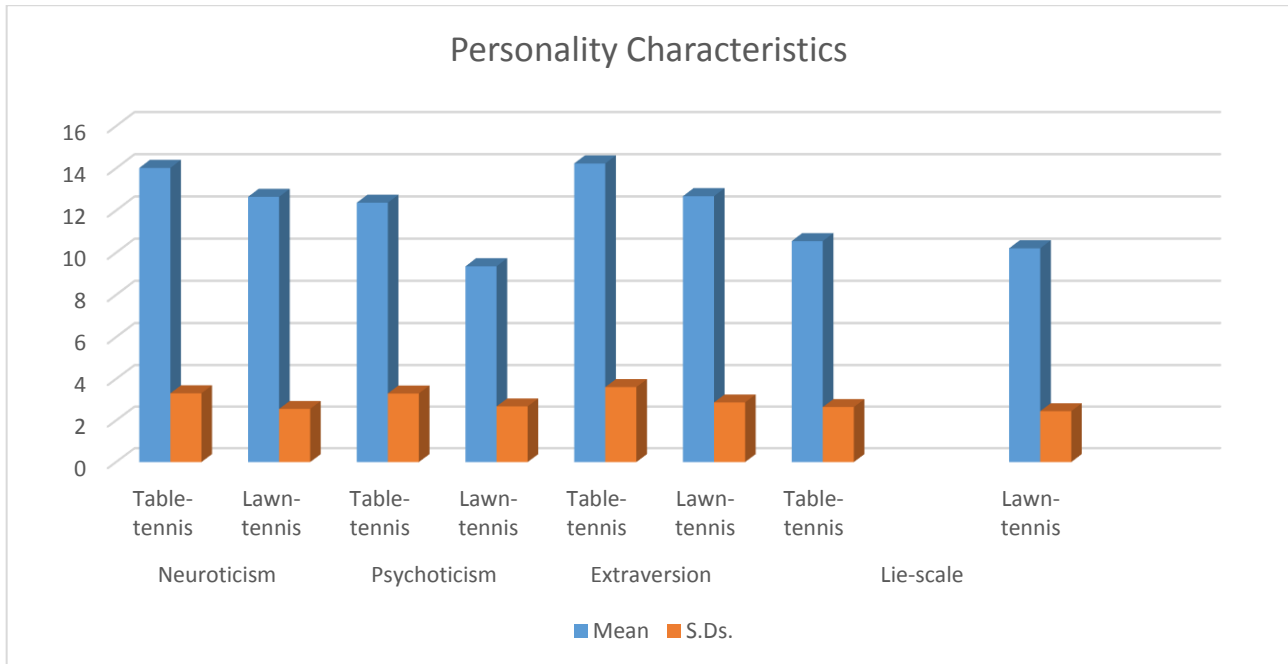
Table 1 shows the mean (S.Ds.) age of Table-tennis players was 22.33 (5.26). Their weight was 65.88 (14.59) Kg. and their height was 167 (25.90) cm. The mean (S.Ds.) age of Lawn-tennis players were 24.05 (4.46), their weight was 69.23 (18.06) kg and their height was 175 (26.30) cm.

Table-2 Mean scores, standard deviation and t-ratio of personality characteristics of Table-tennis and Lawn Tennis players

Personality factors	Players	Number	Mean	S.Ds.	t-ratio
Neuroticism	Table-tennis	150	14.02	3.31	3.19*
	Lawn-tennis	150	12.65	2.56	
Psychoticism	Table-tennis	150	12.37	3.30	2.99
	Lawn-tennis	150	9.36	2.68	
Extraversion	Table-tennis	150	14.23	3.61	2.80
	Lawn-tennis	150	12.68	2.87	
Lie-scale	Table-tennis	150	10.55	2.65	1.90
	Lawn-tennis	150	10.21	2.45	

* Significant at .05 level.

Table 1, depicted Mean Scores, Standard Deviation and t-ratio of the personality characteristics along with its **four categories** of Table and Lawn tennis players



Discussion

Extraversion has been found to be highly related or supportive to dominance and sociability in athletes. With regards to neuroticism of Table-tennis and Lawn-tennis players they have obtained the mean values of 14.02 and 12.65 respectively, the result reveals that the significant difference was found out in ($t=3.19, p<.05$) Table-tennis and Lawn-tennis players. Table-tennis player's having more neurotic tendency as compared to Lawn-tennis players which means that Lawn players incur significantly less neurotic tendency. In addition, comparing the psychoticism of Table-tennis and Lawn-tennis players they have obtained the mean values of 12.37 and 9.36 respectively, result reveals that the significant difference was found out in ($t=2.99, p<.05$) Table-tennis and Lawn-tennis players. Table-tennis player's having more psychotic tendency as compared to Lawn-tennis players which means that Lawn-tennis players incur significantly less psychotic tendency. Furthermore, With regards to Extraversion of Table-tennis and Lawn-tennis players they have obtained the mean values of 14.23 and 12.68 respectively, which are given in table 2 reveals that the significant difference was found out in ($t= 2.80, p<.05$) Table-tennis and Lawn-tennis players. Table-tennis player's having more Extraversion tendency as compared to Lawn-tennis players which means that Lawn-tennis players incur significantly less Extraversion tendency. According to Eysenck (1947), extraversion is at best a behavioral description of personality, but that it does possess biological causal source implication. moreover, with regards to lie scale of Table-tennis and Lawn-tennis players they have obtained the mean values of 10.55 and 10.21 respectively, reveals that the no significant difference was found out in ($t=1.90$) Table-tennis and Lawn-tennis players. Extraversion and neuroticism are among the variables which influence sports performance.

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