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GRT COMPARISON OF SPEED, COORDINATIVE ABILITY AMONG JUMPERS & THROWERS

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Abstract:-The main Objective of this study was to compare the speed, coordinative ability among jumpers & throwers. The total number of sample size were 60 athlete's in which 30 jumpers & 30 throwers & equally divided in to two groups under 17 and 19 years. The sample was selected from Punjab State who had participated at State level of Competition. To find out the speed, 50m Dash & For coordinative ability. Shuttle Ream test was used. Result found that under 17 to 19 years age groups jumpers have more speed than throwers & also jumpers have more coordinative ability than throwers.

Keywords:Speed, Coordinative ability, Jumpers, Throwers.

INTRODUCTION:

Physique as a morphological constitution of an individual which is formed by the manifestation of genetic endowment and as the result of adaptation to environmental obviously, it is the result of some interrelated factors viz, shape, size, form and psychic. The common notion regarding physique is that it is the phenotype of an individual's manifestation of nature and nurture. The variation in human physique is so enormous that it is extremely difficult to classify them with specific criteria. Sometimes both constitutions are considered as the synonymous of physique. Damon (1970) defined constitution as the sum of an individual's innate and relatively fixed biological development. It is an application to the structure function relationship of man. So classification of human morphology had remained a long interest among the human biologists, physical anthropologists, auxiologists and the scientists related to this field. Numerous efforts have been done in this line. Few scientists have the opinion that constitutional factors play a significant role in man's susceptibility to diseases and that one's constitutional make up is related to temperament and behavior. Effort to classify the human physique started as early as the time of Hippocrates. He suggested a twofold classification viz. habitus phithicus (linear) and habitus apoplectic (lateral) expressing that each type was especially prone to certain diseases arid associated with certain temperamental types. Since then numerous efforts have been made to classify human physique.

METHODOLOGY :

The investigator was firstly divided the athletes according to specific events jumpers & throwers & their age groups under 17 & 19 years age. Decimal age was calculated according to methods of Tanner (1969) than random sampling technique was used to select the samples.

RESULT & DISCUSSION:

Show the comparison of Speed (see) between jumpers and throwers of under 17 and 19 years age groups.

Table No.1

Jumpers				Throwers			
Groups	N	Mean	S.D.	N	Mean	S.D.	t value
Under17	16	7.08	0.50	17	7.35	0.42	2.17*
Under19	16	7.30	0.50	18	7.31	0.29	0.14

Comparison Of Speed, Coordinative Ability Among Jumpers & Throwers

*Significant at 0.05 level
(under 17 years df-32)
(under 19 years df-33)

(Table Value t-2.03 at 0.05 level)
(Table Value t-2.03 at 0.05 level)

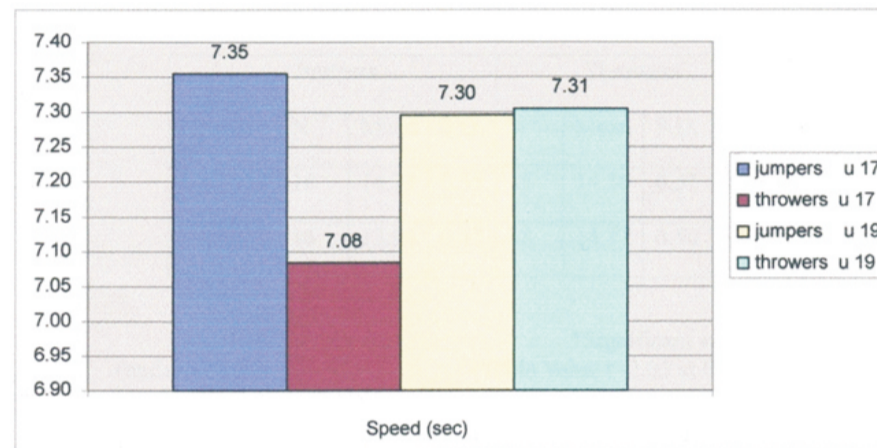


Figure show the comparison of Speed (sec) between jumpers and throwers of under 17 and 19 years age groups.

Table and Figure 4.14 shows the comparison of Speed (sec) between jumpers and throwers of under 17 and 19 years age groups. The mean values of under 17 years age group of jumpers and throwers were found to be (7.08 and 7.35), sec respectively and under 19 year age group were found to be (7.30 and 7.31), sec respectively. In statistically results were found to be significant in under 17 and non significant in 19 years age groups ($t = 2.17$ and 0.14), respectively. The results shows under 17 and 19 years age groups jumpers have more speed than throwers. So hypothesis no. 4 accepted in both groups.

Show the comparison of coordinative ability (sec) between jumpers and throwers of under 17 and 19 years age groups.

Table No.2

Jumpers				Throwers			
Groups	N	Mean	S.D.	N	Mean	S.D.	t value
Under17	16	14.24	0.55	17	14.36	0.52	0.81
Under19	16	13.94	0.43	18	14.37	0.50	3.63*

*Significant at 0.05 level
(under 17 years df— 32) (Table Value t -2.03 at 0.05 level)
(under 19 years df— 33) (Table Value t -2.03 at 0.05 level)

CONCLUSION :

The results show under 17 & 19 years age group jumpers have more speed & coordinative ability than throwers.

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