

ANALYZE THE SOMATOTYPE CHARACTERISTICS OF INTER UNIVERSITY CRICKET PLAYERS



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Abstract:

The purpose of study was to assess the somatotype characteristics of Inter University Cricket Players. Twenty five male cricket players attending Inter University acted as the subject of study. The anthropometric variables that were assessed height, weight, triceps, skinfold, subscapular skinfold, supraliac, skinfold, calf skinfold, width of the humerus and femur and girth of upper arm and calf. The obtained data was subjected to mean and S.D. which reveals that the Cricket players dominated in mesomorphy characteristics than the ectomorphy and endomorphy characteristics. The Inter-university male Cricket Players dominated in mesomorphy component.

Keywords: Somatotype, Endomorphy Mesomorphy & Ectomorphy.

Introduction:

Human beings come in many shapes and sizes. In biological attributes they look alike, in individual traits and characteristics they acutely differ from one another. Scientists believe that there must be "Selective factors" e.g. genetic endowment that kept people about the size and shape they are. Individual difference in body shape, structure and other anthropometric measurements are genetically determined. There, perhaps, is an advantage to the society for various body forms to exist. At the same time, these differences post numerous problems to educationists, more so to the physical educators who have to plan curricula. Somatotype deals with the body type or physical classification of human body. The terms endomorphy, mesomorphy and ectomorphy are used to describe a person in the terms of his somatotype.

Objective of the Study:

- The main objective of the study was to know the somatotype characteristics of Inter University Cricket Players.

Methodology:

Subject: The subjects for the purpose of study all 25 players attending Inter-university Cricket team from Purvanchal region of Uttar Pradesh State in India. In order to obtain three somatotype components, the following measurements were recorded:

- i) Height
- ii) Weight
- iii) Skinfolids

- Triceps, Subscapular, Suprailiac, Calf
- iv) Bone width
- Humerus, Femur
- v) Girths
- Upper arm, Calf

Statistical Analysis:

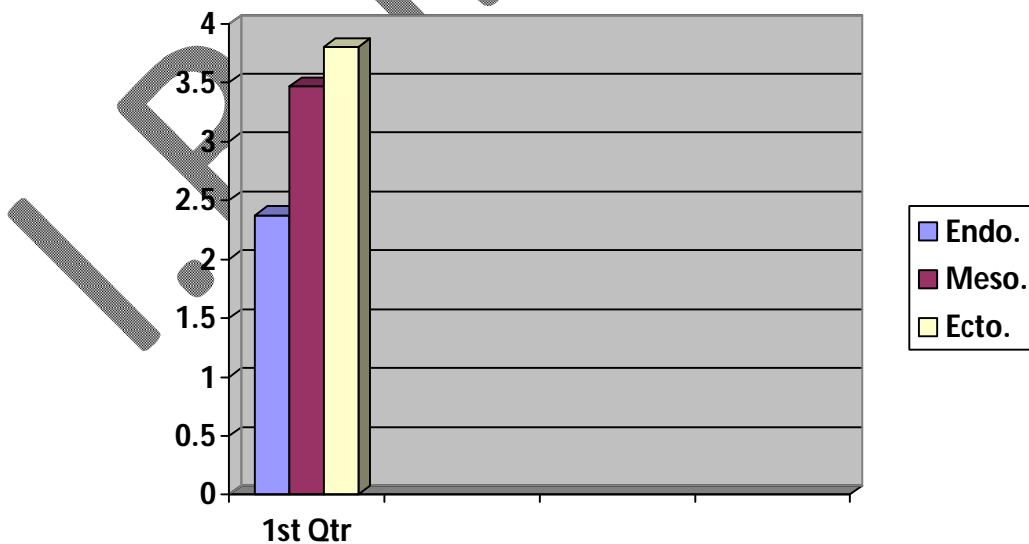
In order to assess the somatotype characteristics of Cricket players, mean and standard deviation were calculated for endomorphy, mesomorphy and ectomorphy and for each anthropometric variables.

Result:

Table No-I
Somatotype Characteristics of Inter University Cricket Players

Somatotype Components	Mean	Standard Deviation
Endomorphy	2.373	0.985
Mesomorphy	3.47	1.22
Ectomorphy	3.80	1.43

The table 1 reveals that the male Cricket players of Inter University dominated in mesomorphy component than the ectomorphy endomorphy component. The mean value obtained from mesomorphy component was 3.47 with S.D. of 1.22. The mean value of endomorphy component was 2.373 with S.D. 0.98 and mean value of ectomorphy component was 3.80 with S.D. of 1.43.



Discussion of Finding:

After the analyzing of the data the results reveal that Inter University Cricket Players dominated in the mesomorphy component. The values of ectomorphy component and endomorphy component were comparatively small.

Since, we all know the nature of the game of cricket, which demands a very high level of physical Fitness and rebuts structure, i.e. the mesomorphy characteristics; hence it is a matter of concern that these basic characteristics and dominantly present in Inter University Cricket Players.

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