

# Comparative study of kinantropometry measurement of basketball players at different playing position

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## ARTICLE DETAILS

### Article History

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### Keywords

Kinantropometry Variables (Height and Weight) Forward and Point Guard Basketball Players.

## ABSTRACT

The purpose of this study was to compare selected Kinantropometry variables of Basketball Players at different playing position. For achieving the purpose of the study, data was collected on total 30 Male Basketball players from Punjab. The study was only Intercollege level Basketball Players. To check Height and Weight of recruited Players. To compare kinantropometric variables between Basketball Players mean, standard deviation and unpaired t-test were employed with the help of statistical package of SPSS. To test the hypothesis the significance level was set at 0.05 percent. The result showed that there was insignificant difference between Kinantropometry variables Basketball Players.

## 1. Introduction

Physical fitness is more important in the field of sports. Physical fitness is one aspect but from the stand point of the Physical educator it assumes of dominating role.

Somatotype of Indian and Olympic male athlete. They reviewed track & field players, boxer wrestlers, weightlifters, cyclists, gymnasts, basketballs, footballers, footballer, swimmers & hockey players, it was found that almost all of the Indian Players belonging to different events studied were found to be out of desired circle. Kaur et. al. (2002)

The physique, become position & somatotype of Indian elite female 100m. swimmers and concluded that elite swimmers possess low fat percentage lesser skinfold thickness and greater strength, height & greater biacromial diameters. Debnath & Bawa (2000)

### a. Height

Anthropometry profile of elite Indian male swimmers and concluded that elite class swimmer were older in age and had smaller skinfold thickness than the control growth of swimmers. Sohdi and Rajni (1995)

## 2. Procedure and methodology

The present research was entitled as "Evaluation of selected Kinantropometry variables of Basketball Players at different playing position". For achieving the purpose of the study, data was collected on total 30 Male Basketball players from Punjab. The study was only Intercollege level Basketball Players. To check Height and Weight of recruited Players. After the collection of relevant data, it was processed and analyzed with descriptive statistics. To compare the subjects mean, standard deviation and unpaired t-test was employed with the help of statistical package of SPSS. The significance level was set at 0.05 percent.

**Table 1.**  
**MEAN AND STANDARD DEVIATION OF HEIGHT OF FORWARD AND POINT GUARD BASKETBALL PLAYERS**

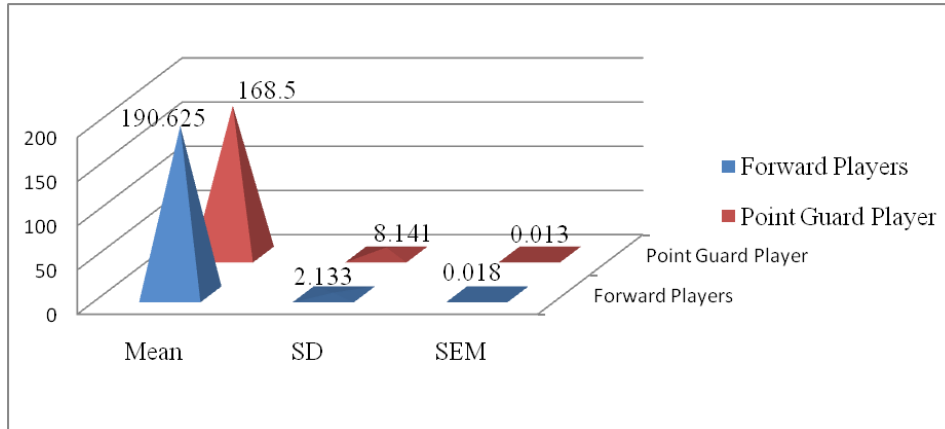
Group	N	Mean	Standard deviation	Standard error mean	t-value
<b>Forward Players</b>	15	190.625	2.133	.018	0.000160
<b>Point Guard</b>	15	168.5	8.141	.013	

$t_{.05} (28) = 1.99$

The table & figure 1 shows that the mean and standard deviation values with regard to Forward Player on variables Height were recorded as 190.625 and 2.133 respectively where as in case of Point Guard the same were recorded as

168.5 and 8.141 respectively. There were insignificant differences between Forward and Point Guard Basketball Players in the Variables Height, level of significance .05.

**Figure 1.**  
**MEAN AND STANDARD DEVIATION OF HEIGHT OF FORWARD AND POINT GUARD BASKETBALL PLAYERS**



**b. Weight**

**Table 2.**  
**MEAN AND STANDARD DEVIATION OF WEIGHT OF FORWARD AND POINT GUARD BASKETBALL PLAYERS**

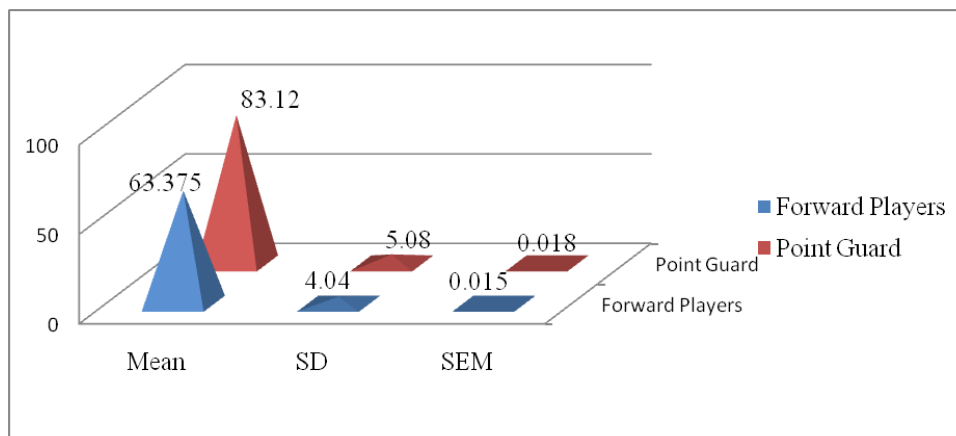
Group	N	Mean	Standard deviation	Standard error mean	t-value
Forward Players	15	63.375	4.04	.015	0.00034
Point Guard	15	83.12	5.08	.018	

t.05 (28) = 1.99

The table & figure 1 shows that the mean and standard deviation values with regard to Forward Players on variables Weight were recorded as 63.375 and 4.04 respectively where as in case of Point Guard the same were recorded as 83.12

and 5.08 respectively. There were insignificant differences between Forward and Point Guard Players in the Variables of Weight, level of significance .05.

**Figure 2.**  
**MEAN AND STANDARD DEVIATION OF WEIGHT OF FORWARD AND POINT GUARD BASKETBALL PLAYERS**



**3. Conclusion of the study**

Descriptive statistics indicated the insignificant differences between compare selected Kinthropometric variables between Forward and Point Guard Basketball Players from intercollege

level. Analysis of student t- test showed the insignificant difference.

**References**

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