



A COMPARATIVE STUDY OF THROWING ABILITY BETWEEN DIFFERENT LEVELS OF CRICKET PLAYERS

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ABSTRACT

The present study has been designed to investigate the throwing ability between different levels (district, state and national) of cricket players at school level. For accomplish the study total 84 cricket players (28 district, 28 state and 28 national) were randomly selected as sample. All samples were selected from the Haryana. The age of the subjects was ranged from 16-28 years. One-way analysis of variance method was applied for analyzing the data obtained from the present study if there were significant difference than the LSD post-hoc test was use to analyze the mean differences and their significance. For testing the hypothesis the level of significance was set at 0.05. We find out that national level players are having more strength and explosive power comparison of state and district level players of Haryana.

KEYWORDS: Throwing Ability, National, State, District.

INTRODUCTION

Strength is basic to performance in activities. The ability to execute a powerful throw is an essential skill for cricket players. Numerous accurate, powerful throws are being made during the course of a match. It is thus necessary to focus on the development of excellent technique, as well as the development of the physical aspects that might contribute to the effectiveness and efficiency of the throwing action. The purpose of the overhead medicine ball throw test is to evaluate the strength and explosive power of cricket players.

The main purpose of the study is to compare the throwing ability of different levels of cricket players. There would be no difference in throwing ability of different levels of cricket players.

METHODOLOGY

For this study 84 cricket players (28 District, 28 State and 28 National) were selected from Haryana who participated at different school levels. The age of the subjects was ranged from 16-28 years. Overhead medicine ball throw test was used to collect the throwing ability data.

STATISTICAL METHOD

One-way analysis of variance method was applied for analyzing the data obtained from the present study if there were significant difference than the LSD post-hoc test was use to analyze the mean differences and their significance. For testing the hypothesis the level of significance was set at 0.05.

TABLE 1
THROWING ABILITY

| | <i>Sum of squares</i> | <i>Df</i> | <i>Mean square</i> | <i>F</i> | <i>Sig.</i> |
|-----------------------|-----------------------|-----------|--------------------|----------|-------------|
| <i>Between Groups</i> | 134.02 | 2 | 67.01 | 40.44 | .000 |
| <i>Within Groups</i> | 134.21 | 81 | 1.65 | | |
| <i>Total</i> | 268.23 | 83 | | | |

An analysis of table -1 reveals that there is significant difference in throwing ability between district, state and national level players of Haryana. Because significant value is less than level of significance which is 0.05 since the calculated

significance value is found significant, therefore to determine the pair mean difference among the selected different levels LSD post hoc test was computed and its shows in table no 2.

TABLE 2
MEAN DIFFERENCE OF THROWING ABILITY BETWEEN DIFFERENT LEVELS OF CRICKET PLAYERS

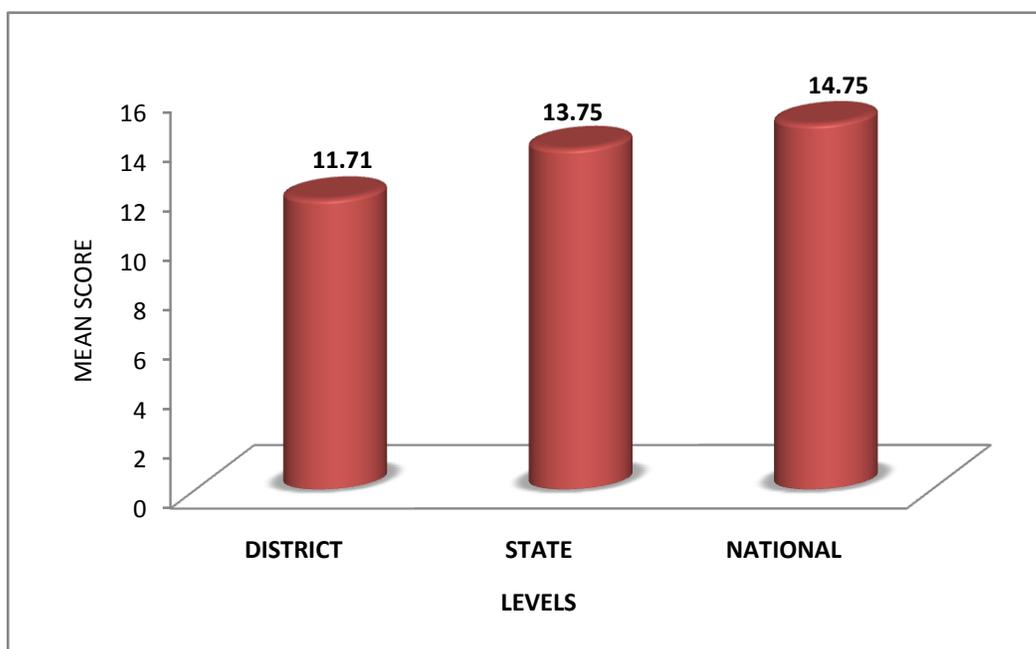
Throwing ability

| Grouping Variable | | Mean Difference | Std. Error | Sig(p) |
|-------------------|----------|-----------------|------------|--------|
| DISTRICT | STATE | 2.03* | .344 | .000 |
| | NATIONAL | 3.03* | .344 | .000 |
| STATE | DISTRICT | 2.03* | .344 | .000 |
| | NATIONAL | 1.00* | .344 | .000 |
| NATIONAL | DISTRICT | 3.03* | .344 | .000 |
| | STATE | 1.00* | .344 | .000 |

The post-hoc test result revealed that there is significant difference in throwing ability of different level players of Haryana. Significant difference was found between the district, state and national level players in their throwing ability. The mean values clearly shows that national level players having more

throwing ability in comparison to state and district level players. The estimated mean value of the players throwing ability is illustrated below in Figure no 1.

FIGURE 1
MEAN DIFFERENCE OF THROWING ABILITY BETWEEN DIFFERENT LEVELS OF CRICKET PLAYERS



DISCUSSION ON FINDINGS

The findings of the study showed that there was significant difference in the obtained value of throwing ability of different level of cricket players. Throwing ability of national level cricket players are significantly better than the state and district level. While state level players throwing ability is significantly better than the district level players.

CONCLUSION

On the basis of result obtained from the study, following conclusions are drawn:-
The data showed that significant difference observed in throwing ability of different level of cricket

players in Haryana. Throwing ability of district level players of Haryana is low in comparison of two other levels. We can say that national level players having more strength and explosive power comparison of state and district level players.

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