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DESCRIPTIVE ANALYSIS OF BASKETBALL SUCCESSFUL TWO POINT FIELD GOAL PERFORMANCE IN A NATIONAL CHAMPIONSHIP

Тірумалай Балакрішан П. Сінг Р. Рам Мохан. Описовий аналіз успішного виконання баскетболістом двох очкових м'ячів у Національному Чемпіонаті.

Ключові слова: описовий аналіз, баскетбол, результативність двоочкових кидків.

Abstract. *The aim of the study was to analysis the performance of the basketball teams namely Indian Railways, Tamil Nadu, Kerala, Andhra Pradesh and Uttar Pradesh that played in the 62nd Senior National Basketball Championship 2011.*

In any sporting situation especially team games it is difficulties for coaches to notice and remember all the key events occurring during a match because there are many factors that are taking place simultaneously that impacts player's performances and subsequently his team's performance as well. Further, the events happen so quickly that it becomes very difficult to remember all the importance events during a match or performance.

This is when performance analysis comes in. Based on information technology and digital photography, performance analysis is now acknowledged as an aid to performance enhancement at all levels. The results of this study concluded that Indian railways had the highest number of successful two point field goal attempt.

Keywords: *descriptive analysis, basketball, successful two points.*

«The invention of basketball was not an accident. It was developed to meet a need»

James Naismith

Introduction. Evaluating players in the context of an emotionally charged game situation is a difficult task. This is largely due to the fact that so much is going on in a game that the coach cannot possibly receive and process enough objective information on players to make rational decisions concerning their performance. Therefore, a more true and complete evaluation in most cases is only feasible after the game when coaches have access to complete game statistics.

Basketball is one of the most intricate and fast-paced games in sports. From a coaching stand point, it takes a trained eye and years of experience to understand exactly what is going on at any given time during a game. The coach, who is a manager of players as well as game strategist, is required to make many decisions that will affect the outcome of a game.

One of the most critical decisions all coaches must make is to determine the amount of playing time for each player because this decision most directly influences a team's performance. To determine playing time for players, the coach needs to evaluate individual performance in practice and under competitive conditions. This evaluation process is a task that is normally based on the coach's knowledge, experience and ability to accurately measure individual performance under competition conditions. Many attempts have been made to evaluate basketball skills in an attempt to project players performance in a game [1]. But it is obvious that a player will not perform the same in a practice or scrimmage as he will in a game.

Basketball, a fast-paced game needs a fast paced coaching which enhances the performance by giving necessary evaluation of all the players in the team. Many researchers have proved that human memory and its observation are wonderful but they are inefficient to provide accurate and reliable performance of the highly skilled athletics [2]. To enable the efficient feedback process objective measuring tools are necessary. These can be found in the form of video analysis, post event, his mechanical and computerized notation systems or the use of in-event system.

The purpose of the effective coaching process is to inculcate the determined changes in the behavior. Its skill of teaching and coaching depends mainly on the analysis of his improvement in athletics. It needs informed and accurate measure to develop the skill [3, 4]. In the field of events, the guide judges the performance with a series of qualitative assessments. The guide will find positive and negative aspects of the performance for its improvement. The results from the previous matches and practice are considered before the planning of the next game. However the coaching process relies heavily upon the coaches subjective assessment of the performance.

In the game, many denatures are distinctive which covers form crucial decision taken by the officials for the individual players. This kind of features will distort the coach's assessment on the players as well as the game. These aspects are to be the highlighted feature of the play.

Hypothesis. It was hypothesized that the selected teams which participated in the 62nd Senior National Championship would be equal in executing the successful two point field goal.

Method. The subjects for the study were taken from Level I teams of 62nd National Basketball Championship 2011 were taken as subjects. The teams selected were Indian Railways, Kerala, Tamil Nadu, Andhra Pradesh and Uttar Pradesh.

Results of the Study. The statistical analysis of data from table IV reveals that the obtained ‘F’ ratio of 2.314 was not significant at 0.05 level, since it was lesser than the table value of 3.06.

Table 1

One way analysis of variance for successful two point field goals scored by the selected teams

Source of Variance	Sum of Squares	df	Mean Square	F
Between Groups	354.200	4	88.550	2.314
Within Groups	574.000	15	38.267	

Value to be significant for degrees of freedom of 4 and 15 was 3.06 at 0.05 level of confidence.

The average number of successful two point field goal executed by the selected teams that participated in the 62nd Senior National Basketball Championship held at Chennai, India in 2011 are graphically presented in Figure 1.

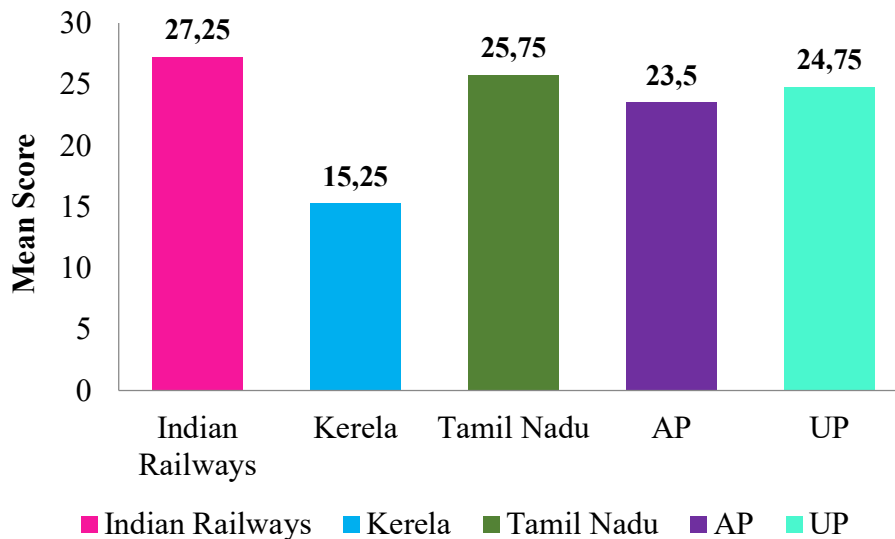


Fig 1. Average number of successful two point field goals conversion scored by the selected teams

Discussion. A team to be successful needs to have a high conversion rate for which the percentage of shooting should be better. Any attempt which is successful

increases the confidence level of the players which not only boosts the team's score but also succeeds in gaining a psychological advantage over opponents.

A low mean score of 15.25 by the Kerala team indicates that they lack in consistency. Their shooting against the selected teams was rather poor with their opponents turning out a very high percentage of shooting against them Indian Railways, Tamil Nadu, Uttar Pradesh and Andhra Pradesh had very good mean scores of 27.25, 25.75, 24.75 and 23.50 respectively. This indicated excellent shooting percentage in their games. The other selected teams were able to get a conversion score which was way above Kerala.

Conclusions. The analysis also proved that the other selected teams were able to maintain high percentage in their other games as well. This fact proved that Kerala team's strategy and approach was not as good as it should have been lack luster and the shot selection by its players was also not good. This could be attributed to the defensive strategy deployed by other teams.

The Indian Railways basketball team had the highest number of successful two point field goal attempts when compared with the other selected teams.

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