



COMPARATIVE ANALYSIS OF TEAM STATISTICS IN RELATION TO SUCCESS WOMEN CRICKET TOURNAMENT

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ABSTRACT:-

Competition is one of the outgrowths of modern society. It is the challenge which stimulates, inspires and motivates men and women to sweat run faster, jump higher, throw further and exhibit greater strength, endurance and skills to exhibit supremacy over others. Every



individual or team which participates in any sports/games wants to win as our society attaches a great significance to winning. The purpose of this study was to compare the team statistics in relation to success in women's Inter-University. The study was delimited to west zone Inter university cricket tournament for

the year 2016-17. The data was collected from the semifinal of west zone Inter university cricket tournament. The selection of teams, selection of team statistical variables, collection of data and statistical procedure has been described. The four semifinalist women's cricket teams served as subjects to obtain data for the study. The study revealed that better performance in balls faced by the batsman and runs scored by the batsman are associated with match winning results. Both winning universities had significantly better records in these two team statistics than their opponents. This clearly implies that these team statistics are success performance determinant factors.

KEYWORDS: Success, Women cricket, Performance.

INTRODUCTION :

Competition is one of the outgrowths of modern society. It is the challenge which stimulates, inspires and motivates men and women to sweat run faster, jump higher, throw further and exhibit greater strength, endurance and skills to exhibit supremacy over others. Every individual or team which participates in any sports/games wants to win as our society attaches a great significance to winning. According to Renwas performance is the key note of all sports, its basic principles. Since sports have become prestigious aspects to prove one's superiority, the philosophy of participation in games and sports has undergone a great change. Sport is a highly specialized activity. The participation in sports warrants a fundamental desire to compete and surpass other. Every sports activity involves competition. Better the performance, greater the chance of winning. Cricket is the most popular and richest in history of all ball games, there is no exact record available, which shows when and by whom cricket was started in England. It is essentially an English game. Old work shows that it is as old as 13th century. The game of cricket is becoming especially popular all the world, and therefore has further scope of development. International as well as world cricket tournaments have evolved complex and intense demands of competition. There are many factors which influence the performance of a cricketer. The purpose of this study

was to compare the team statistics in relation to success in women's Inter-University. The study was delimited to west zone inter university cricket tournament for the year 2016-17. The study was delimited to Women's cricket. The data was collected from the semifinal of west zone inter university cricket tournament. The effect of uncontrollable factors like presence of audience, home ground advantages or disadvantages, psychological stress of a match, climatic condition, match temperament etc. which might have affected this study were recognized as limitation of the study. No special motivation techniques were used to influence the player's performance. On the basis of literature available on cricket and own understanding of scholar, it was hypothesized that contribution of positive team statistics will be more case of success where as negative team statistics leads to failure.

PROCEDURE

In this chapter the selection of teams, selection of team statistical variables, collection of data and statistical procedure has been described. The four semifinalist women's cricket teams served as subjects to obtain data for the study. These teams were not informed that, they are being studied by the research scholar. By review of the related literature and discussion with the experts, it was decided that there are few most important statistical variables in predicting success performance in women's cricket. The variables were selected those which were considered to success, also called positive in nature as runs scored, catches taken etc. The data was collected in the above mentioned statistical variables from the semifinal stage of west zone inter university women's cricket tournament. The data was collected by use of scrutiny charts. The investigator with the help observers excluding the investigator was prepared this chart. Each observer was assigned with a player, whom he was watched very carefully. As and when a player does something, it was carefully noted on the scrutiny chart. Further score sheets were also collected data on many of the statistical variables. The end of each game was analyzing these score sheets and the statistical variables were taken for the purpose of the study. To study the team statistics and relation to success in west zone inter university women's cricket tournament. Descriptive comparison of team statistics were made to find out dominant team statistics associated with won match performances. The following team statistical variables were selected for the study: -

- (a) Balls faced by the batsman
- (b) Shots attempted by the batsman
- (c) Strike rate of the batsman
- (d) Total runs scored
- (e) Runs per over given by the bowlers
- (f) Wicket taken by the bowlers
- (g) Bye runs given by the wicket keeper
- (h) Catch taken by the wicket keeper
- (i) Stumping done by the wicket keeper
- (j) Extra Run given by the Team
- (k) Run outs done by the fielder
- (l) Catches taken by the fielder
- (m) Total number of leg byes
- (n) Number of Wide balls
- (o) Number of No balls

RESULT

TABLE -1
SCORES OF R.T.M. NAGPUR UNIVERSITY NAGPUR AGAINST MAHARAJA SAYAJIRAO UNIVERSITY BARODA ON
SELECTED TEAM STATISTICS DURING SEMIFINAL OF
WEST ZONE INTER UNIVERSITY WOMEN CRICKET TOURNAMENT

TEAMS	VARIABLES														
	Balls faced by the batsman	Shots attempted by the batsman	Strike rate of the batsman	No. of no balls	No. of wide balls	Runs per over by the bowlers	Wicket taken by the bowlers	Bye runs given by the W. K.	Stumping done by the W. K.	Catch taken by the W. K.	Extra runs given by the team	Run outs done by the fielder	Catches taken by the fielder	No. of leg byes	Total runs scored
R.T.M. University Nagpur V/S M.S. University Baroda	250	147	0.72	6	9	4.5	7	8	1	2	26	1	3	10	182
	115	47	0.49	0	02	2.5	10	2	2	1	6	2	5	2	54

Table 1 reveals that in R.T.M. Nagpur University Nagpur successful match the statistical values in variables- Balls faced by the batsman 250, total runs scored 182, shots attempted by the batsman 147, runs per over given by the bowlers 2.5, wicket taken by the bowlers 10, stumping done by the wicket keeper 2, catch taken by the wicket keeper 2, run outs done by the fielder 1, extra runs given by the team 6, number of leg byes 2, bye runs given by the wicket keeper 2, number of no balls 0 and number of wide balls 2, are better than Maharaja Sayajirao University Baroda statistical values.

TABLE -2
SCORES OF BARKATULLAH UNIVERSITY BHOPAL AGAINST SAVITRI BAI PHULE UNIVERSITY PUNE ON
SELECTED TEAM STATISTICS DURING SEMIFINAL OF WEST ZONE INTER UNIVERSITY WOMEN CRICKET
TOURNAMENT

TEAMS	VARIABLES														
	Balls faced by the batsman	Shots attempted by the batsman	Strike rate of the batsman	No. of no balls	No. of wide balls	Runs per over by the bowlers	Wicket taken by the bowlers	Bye runs given by the W. K.	Stumping done by the W. K.	Catch taken by the W. K.	Extra runs given by the team	Run outs done by the fielder	Catches taken by the fielder	No. of leg byes	Total runs scored
B.U. Univ. Bhopal V/s S. B. Phule Univ. Pune	145	51	0.48	2	6	2.5	6	4	2	1	12	0	3	2	70
	172	44	0.40	0	4	2.2	10	02	3	1	7	2	3	1	69

Table 2 reveals that in the Barkatullah University Bhopal successful match the statistical values in variables- Balls faced by the batsman 145, total runs scored 70, shots attempted by the batsman 51, strike rate of the batsman 0.48, wicket taken by the bowlers 10, catches taken by the fielder 3, stumping done by the wicket keeper 2, catch taken by the wicket keeper 1, extra runs given by the team 7, number of leg byes 1, bye runs given by the wicket keeper 2, number of no balls 0 and number of wide balls 4, are better than Savitri Bai Phule University Pune statistical values.

FINDINGS

The findings of the study have throw light on various aspect of match analysis and clearly revealed the roles of various team statistics in relation to success in cricket match. The findings also helped to understand other than technical and skill proficiency how the team statistics could play most crucial role in team strategy planning. The study revealed that better performance in balls faced by the batsman and runs scored by the batsman are associated with match winning results. Both winning universities had significantly better records in these two team statistics than their opponents. This is a must fact, since in limited over's matches highest runs scored is ultimate criteria to win, and the more number of balls batsman faces there will be more opportunity to score runs. Hence this is devious that average balls faced by the batsman are likely to create most opportunity to score and add more runs to total score. And based on this understanding strategy like face more balls can be adopted both in specific and in general to ultimately increase total scores. An addition to these has team statistics catches taken by the fielders, runs per over given by the bowlers, extra runs given by the team, number of no balls and wide balls by the bowler were also found to play significant role to effect success in cricket match. As it was seen in all these variables both winning universities performed significantly better than opponent in success full match. This clearly implies that these team statistics are success performance determinant factors. The saying "catches win the matches" is more than justified. Among all possible conditions to make batsman out, catches are the most visible and prominent condition that frequently occur during the match. This finding that the team statistic catches taken by the fielders in match determinant factor is well justified. Similarly the team statistic like shots attempted by the batsman is one of the most crucial performance parameter. The only objectives of batsman is not only too safe his wicket but also trying to score runs for his team, and a good batsman is always rotating the strike and attempted maximum shots in his innings . Every runs making shots will add to score of total runs and naturally add to winning performance of match. The performance parameter like runs per over given by the bowlers also known as bowlers economy rate, too was found one of winning performance determinant factor. The fielding is very crucial, and it has very critical and strategic implications for success in match. Generally the team who balls first gets tactical advantage to set target run rate to win the matches when their batting tern comes. At this juncture the batting side has a clear target run rate to accomplishes and similarly bowling side to have clear goals to restrict run rate per over to some limits. Hence as the match proceeds in the line of continuous changing run rate requirement bowlers need to decide his tactical bowling plan. And if the bowlers succeed with his tactical bowling plan he will accomplish the goal to restrict the opponent to attends required run rate. Hence if matches are to be won these very aspects of team statistic should give serious thoughts. And at every stage of a match, depending on play situations above said team statistics or performance parameters can be deal with adopting appropriate bowling strategy. Strategic fielding arrangements etc. and such measures not necessarily depends on skills proficiency.

CONCLUSIONS

The following conclusions were drawn:-The total balls faced by the batsman of R.T.M. Nagpur University Nagpur and Barkatullah University Bhopal were significantly higher than their opponents in winning matches during semifinal. The total runs scored by the batsman of R.T.M. Nagpur University Nagpur and Barkatullah University Bhopal was significantly higher than their opponents in winning matches during semifinal. The runs conceded per over by the bowler of loosing opponents were significantly higher than R.T.M. Nagpur University Nagpur and Barkatullah University Bhopal in the matches which they lost. Catch performance by the fielder of R.T.M. Nagpur University Nagpur and Barkatullah University Bhopal was significantly better than that of their opponents in their winning matches. The extra run conceded by R.T.M. Nagpur University Nagpur and Barkatullah University Bhopal was significantly lower than the opponents in the semifinal match which they won. The number of no balls and wide balls conceded by R.T.M. Nagpur University Nagpur and Barkatullah University Bhopal was significantly lower, in the matches whom they won and Maharaja Sayajirao University Baroda and Savitri Bai Phule University Pune were higher, in the matches which they lost. Better performance in the above variables contributed to the winning performance.

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