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The application of comprehensive scoring method in the World Cup Football Match

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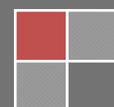
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ABSTRACT

As the football is continuing to improve itself in today's sports world, the footballers' tactical level is highly developed, among which, footballers' attack and defense skills are of important significance in the scoring opportunity, which generally determine the score of a team. Levels of the players of each World Cup Football Match held every four years could be regarded as the representatives of football teams in each region, which have a certain influence on the world, and also symbolize the developmental level of the country or the region. The idea of football varies in different age and area, which will ultimately affect the teams' attack strategy and the footballers' training form. A team shall go through long-term hoops and growth, finally developing and forming into a team who has its own characteristics. In this paper, the comprehensive scoring method is applied in the World Cup football match to carry on the comprehensive application analysis, and a pressing match is mainly adopted, whose core is to push ahead the key of defense and whose main feature is that the opposing player loses the ball in midfield, which expands the attack range, used to get a better shot and strive for the scoring. The chief functions of the comprehensive scoring method in the World Cup Football Match are to expand the space of attack and defense and to increase the attack points. The number of attacks would be extremely important in a football final, in direct proportion to the final result of the match, therefore, it is crucial to improve the goals ratio by grasping the attack points.

KEYWORDS

Comprehensive scoring method; The World Cup Football Match; The final.



INTRODUCTION

The football match is a sport having the largest number of team members in today's world competition in the field of sports, in addition, each country and region have their own national teams. The World Cup Football Match held every four years brings together the world's best football teams, displaying the stable development of current football and its brilliant achievement, playing an impellent role in promoting the development of current football, enhancing the communication and exchange among footballers, manifesting harmonious team work spirit in attack and defense^[1]. As for the World Cup Football Match, there is a contradiction and fierce competition between both sides, resulting in a decrease of the goal success rate which decides the outcome of the match^[2]. Therefore, the team members shall seize every opportunity and grasp the ability of defending and attacking, which is also the decisive factor to the victory of the match.

THE RESEARCH OF THE COMPREHENSIVE ANALYSIS METHOD ON THE WORLD CUP FOOTBALL MATCH

The research object and task

This paper mainly carries out the comprehensive analysis on the goals in the 13th-20th World Cup finals, especially conducts in-depth analysis on the impact of the attack forms and the goals region on the goals in the middle attack, and summarizes the general rule of the goal in football matches.

The research method

(a) The observation analysis

The paper mainly deeply observes and analyzes on the match action of each footballer in the 13th-19th World Cup finals, and analyzes and research on the related indicators, such as the goals scored, the goals region and the positions of footballers in the middle offense and defense technique and tactics.

(b) The data statistics

The statistical calculations of the data obtained from the above observation and analysis is carried out by using the EXCEL software.

(c) The logic reasoning method

Collate the statistical results of the above data, then summary them by using the theoretical knowledge learnt, to study out the general rule of the goal in the World Cup Football Match.

The positioning concept of the comprehensive scoring method in the statistical measurement of the football region

(a) The region setting in the World Cup Football Match

Firstly, the goals region in the football match is mainly divided into six areas as follows: the first area is from the extension line of the goal area to the penalty area; the second area is from the penalty area to the goal area; the third area is from the penalty area to the 30m; the forth area is from the 30m to the halfway line; the fifth area is from the extension line of the penalty area to the sideline; and the rest is the sixth area, namely the space from the halfway line to the line of the penalty area^[3] ;

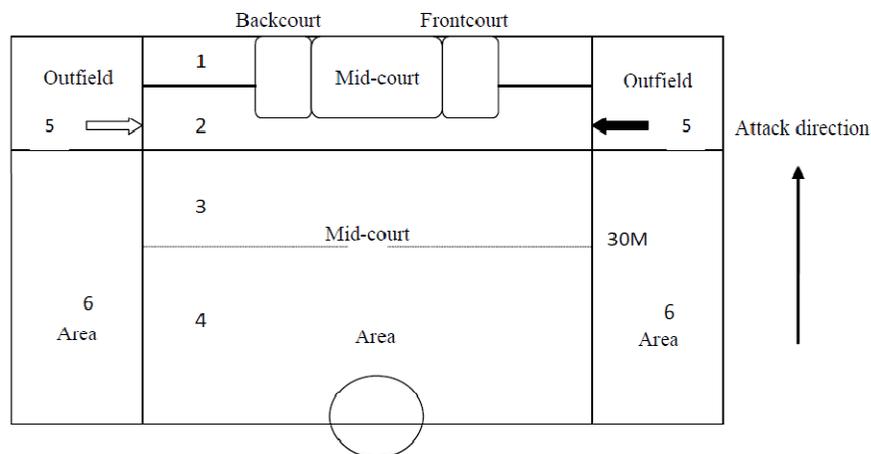


Figure 1: Categorization of the World Cup Football Match fields

Secondly, taking Figure 1 as an example, the black arrow represents the football pass from the right side, while the white arrow stands for the football pass from the left side. Both sides correspond to the midline placement respectively,

namely the three areas, including the frontcourt, mid-court and backcourt^[4], as shown in Figure 1, the fields categorization of the World Cup Football Match.

(b) The field categorization of the World Cup finals

Mainly based on the original three areas including the frontcourt, mid-court and backcourt, the field of the World Cup finals is reasonably and practicably divided accordingly, wherein the areas from the goal lines at both ends to the 30 meters are the preparation for the frontcourt and backcourt, and the rest areas are the midcourt and the penalty area, as shown in Figure 2, the schematic diagram of attack area in the World Cup stadium.

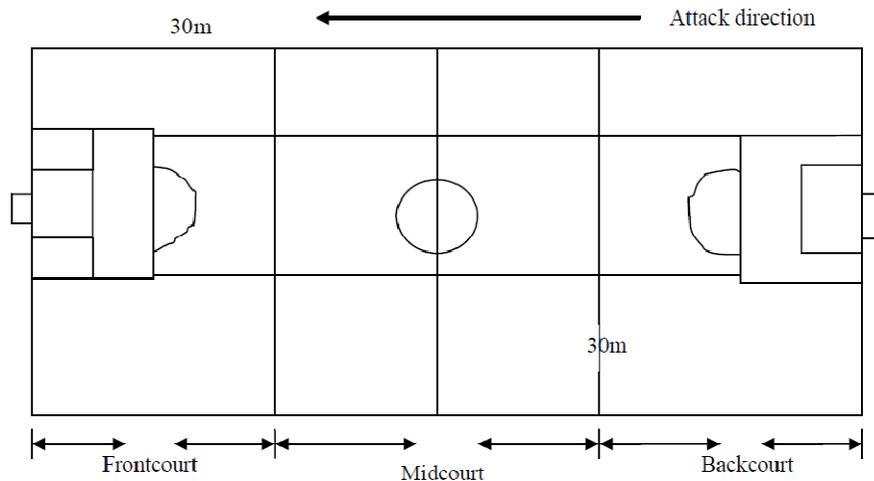


Figure 2 : Schematic diagram of attack area in the World Cup stadium

THE STATISTICAL ANALYSIS OF THE DATA RESULT

The analysis of the overall situation of the World Cup Football Match

TABLE 1 focuses on the statistical analysis of the overall situation of the 13th-20th World Cup Football Match, paving the way for the following research and analysis.

TABLE 1 : Analysis of the goals in the 13th-20th World Cup Football Match

session	13th	14th	15th	16th	17th	18th	19th	20th	
goals scored	146	132	115	141	171	161	147	145	1158
match played	52	52	52	52	64	64	64	64	440
goals average per match	2.81	2.54	2.21	2.71	2.67	2.52	2.30	2.27	2.49

According to the statistical results in TABLE 1, we can draw the following rules and summaries: there are 24 teams and 52 matches played in the 13th-15th World Cup; there are 32 teams and 64 matches played in the 16th-20th World Cup.

According to the data statistics in TABLE 1, there are 440 matches played and 1158 goals scored in the 13th-20th World Cup finals, among which, the average goals scored per match are about 2.49. With further in-depth analysis of the data statistics in TABLE 1, it can be found that the goals scored in the 15th World Cup held in Italy are the lowest one among these eight sessions. Each team strongly deploys and controls the attack and defense skills for getting scores in the World Cup Football Match. However, FIFA had to improve and perfect the match system and rules reasonably and effectively after the 15th World Cup had got the minimum average goals scored over the years^[5], among which, the encourage offense, incentive goal and other methods have improved the goals scored in the 16th World Cup. As everyone knows that the number of shots and the goal ratio directly affect the outcome of the football matches, therefore, each team playing shall efforts to upgrade its own attack and defense skills for creating more scoring opportunities.

It can be seen from the data analysis in TABLE 1 that the goal ratio in the recent 2 sessions of the World Cup show a downward trend, which is the result of the increasing competitiveness in the modern football, therefore, each team playing shall further enhance and improve its own strategic approaches and shall reasonably plan its own attack and defense. The number of shots and the goal ratio directly affect the outcome of the football matches, therefore, each team playing shall efforts to upgrade its own attack and defense skills for creating more scoring opportunities. Each match is of great significance for the football World Cup, while each match for a team means whether it can enter the final and decides its development trend in today's sports circle, therefore, each team member shall keep a good strategic skill and a strong team spirit, because every fault will bring unnecessary negative effects on the match, hindering the team's long-term development.

Based on the statistical results in TABLE 1, it can be found that the number of shots is not always proportional to the success rate. For example, there is not many number of shots for some stronger teams, but they ensure the ratio of successful shooting, winning great benefits. In addition, they almost ensures the ratio of successful shooting in every shot^[6]. However, as for the football teams who are weak at attack and defense skills and whose members are also relatively weak at the skill level, it is difficult for them to seize the scoring chances during the match, which reduces the ratio of successful shooting.

The football utility is getting stronger in the current society, the tactics and personnel arrangements focus on the practicality, and the victory is the first priority. For example, in the 19 World Cup, Netherlands national football team's strategic technology was relatively strong, whose most prominent feature was the well-balanced attack and defense, and it was also this feature leading this team into the final eventually. According to the relevant research statistics, it can be found that, in each World Cup Football Match, each team's attack and defense tactics is basically the same and without bigger difference, the standards and norms are also the same, and the specific requirements for the match field have reached stable and standard status, therefore, each team shall make good deployment and control according to the utility spaces for the attack and defense tactics^[7]. The attack strategy to pull open the width in the midcourt may be taken when it is difficult to attack forward during the whole attack and defense; the defense shall be adjusted constantly to avoid being prevented and controlled by the opposite side during the attack; the effective attack points shall be found and attacked to break though a sideways movement during the shooting; the proportion of time and space shall be well grasped and the time and space shall be cooperated as effective as possible to the utmost extent during the whole match.

According to the statistical analysis in TABLE 1 and the analysis of the offensive approach of the World Cup, it can be learnt that, kicking a goal plays a dominant role in the shoot during the course of the match, having a certain meaning and influence on the goal scored. Meanwhile, as for the football in today's sports circle, the probability of a shot after a long-distance dribble is small, and the success rate is low too, in addition, if the players taking too much time to run with the ball in the course of a match, it will cause unnecessary negative effects to the whole process of the match finally, leading to a failure of the defensive side^[8]. Based on the comprehensive analysis of the above situation, attention shall be paid to the pace and movement among team members during passing the ball to ensure the ball is passed accurately and rapidly, the shots shall be stable and reasonable, the give-and-go strategy and ball control technique shall be effectively applied in the shooting process to timely make the killer balls to achieve effective shots when space appears.

The inference of the comprehensive scoring method to the eight consecutive sessions of the World Cup Football Match

Figure 2 shows the total goals scored in the eight consecutive sessions of the World Cup Football Match, obviously, the goals scored are proportional with the score.

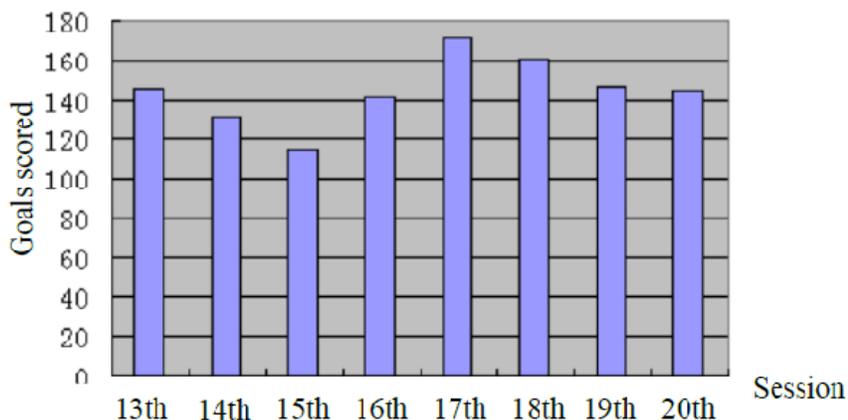


Figure 2 : The total goals scored in the eight consecutive sessions of the World Cup Football Match

According to Figure 2, it can be learnt that the total goals scored after the 17th World Cup present the trend of decreasing session by session, which also explains that the offensive and defensive strategic technology has a dominant position in the development of the football in today's sports circle, directly determining the status of a team. When each team increases players in attacking midcourt, the attack and defense ability would be enhanced, the comprehensive attack and defense ability among team members would be further improved. There are many cooperative ways between the attack and defense. Meanwhile, each team's defense rigor would be increased, among which, the team members' physical abilities would be significantly improved. By carefully observing, it can be found that the performance abilities in terms of steals and filling-in in each match are more excellent, showing that the team members' training is more effective and reasonable. Attentions are paid to the stability and the cohesion of the formation over the course of the training, highlighting the defensive ability of the team members^[9]. Each team's equilibrium state between the attack and the defense shows relatively low ratio of successful shooting in the course of the match, presenting some challenges. It can be seen from the statistical data shown in Figure 2 that, the goals scored at the group stage shows a decreasing state in the recent several sessions of World Cup finals. The main reason to cause such situation is because the form of football activity has been gradually and widely developed in nowadays

society, some teams in some countries and regions has reached a higher level, which means that the difference between the teams has been reduced. However, the teams haven't got to know each other well. Therefore, all teams have paid more attention to the defensive skills during the process of the World Cup finals. In order to succeed, the ratio of successful shooting shall be ensured.

THE COMPREHENSIVE ANALYSIS ON GOALS SCORED

The analysis on the general features of the centre attack

TABLE 3 shows the statistical analysis on the goals scored during the centre attack.

TABLE 3: The statistical analysis on the goals scored during

session	13th	14th	15th	16th	17th	18th	19th	20th	
goals scored	52	42	48	53	79	68	61	56	439
total goals scored	146	132	115	141	171	161	147	145	1158
percentage (%)	35.6	31.8	41.7	47.5	46.2	42.2	42.1	38.6	37.9

In the course of the football match, the place both sides strive to obtain is the midcourt, the main reason is because the midcourt is directly facing the goal; in the attack process, key players are arranged in the defensive part with the aim of fighting for obtaining the midcourt, thus greatly improving the ratio of successful shooting. Based on the data statistics of the goals scored during the centre attack shown in the TABLE 3, it can be found that about more than 1/3 of the goals scored rely on the centre attack in every World Cup Football Match. According to the relevant statistical analysis, it can be learnt that the ratio of goals scored relying on the centre attack is increasing session by session in the previous several sessions of the World Cup Football Match. The goal ratio in the 16th-17th sessions of World Cup relied on the centre attack, however, the goal ratio relied on the centre attack has showed a downward trend since the 18th session. The goals scored in the 19th session of the World Cup are not too many, however, through the related data statistics and analysis, it can be found that the goals scored based on the centre attack showed a modest return to growth. Because the control of the midcourt can sometimes directly determine the outcome of the match, each team pays more attention to the control of the midcourt in the current football matches. In that case, most of the teams take the way to increase the members and to enhance running in order to control the midcourt position, finally grasping the scope of their own team. A short pass shall be taken during the whole process of football passing in the midcourt, whose purpose is to penetrate into the defense area of the opposite side, in this way, the ratio of successful short pass is relatively high, the pass speed is relatively rapid, and there are various passing types for easy catching and passing. If any space behind the opposite side in the midcourt is found during the short pass, the player can quickly kick the ball within the scope of the 30m forward to enhance the ratio of successful shooting.

The analysis of the centre attack

TABLE 4 shows the data statistics of the centre attack in eight sessions of the World Cup Football Match

TABLE 4 : The data statistics of the centre attack in the World Cup Football Match

session	13th	14th	15th	16th	17th	18th	19th	20th	
positional attack	39	41	42	55	61	60	55	59	412
counterattack	22	26	28	29	33	29	35	27	229
attack form	61	67	70	84	94	89	90	86	641

According to the data statistics of the centre attack in the World Cup Football Match mentioned in TABLE 4, it can be learnt that supply situation is taken in most cases when organizing the centre attack during the football match, among which, the whole match requires the cohesion in distance for the whole formation, and the key defensive players move forward along with the ball, which forms a pressing way, compressing the space among the backcourt, midcourt and frontcourt, guaranteeing the tackle and encirclement to the opponents^[10]. Because the control of the midcourt can sometimes directly determine the outcome of the match, each team pays more attention to the control of the midcourt in the current football matches. In that case, most of the teams take the way to increase the members and to enhance running in order to control the midcourt position, finally grasping the scope of their own team. A short pass shall be taken during the whole process of football passing in the midcourt, whose purpose is to penetrate into the defense area of the opposite side, in this way, the ratio of successful short pass is relatively high, the pass speed is relatively rapid, and there are various passing types for easy catching and passing. In the course of the football match, the place both sides strive to obtain is the midcourt, the main reason is because the midcourt is directly facing the goal; in the attack process, key players are arranged in the defensive part with the aim of fighting for the victory.

CONCLUSION

By the analysis of the total goals scored in the whole World Cup Football Match and through the above-mentioned relevant data, it can be learnt that, the goals scored at the final stage of the 13th and the 14th World Cup have not changed too much as a whole, however, the total goals scored from the 16th to the 20th World Cup have shown a downward trend. And it can be seen by the time analysis, the total goals scored have a certain time property in the eight consecutive sessions of the World Cup Football Match, however, the goal time has showed a larger volatility within the period of about 61-75 minutes in the 16th and the 18th World Cup Football Matches.

As the football is continuing to improve itself in today's sports world, the footballers' tactical level is improved to a certain degree, and footballers' attack and defense skill is the key to determine the success rate of a team, which is of important significance. Each country and region have their own national teams in today's sports field. In the World Cup Football Match held every four years, the development of a team represents the team's position on the world's football field, playing an impellent role in promoting the development of current football. The team members shall grasp every chance for scoring and defense and shall well master the attack and defense strategy and skill in the fierce football match, which is a crucial factor to determine whether the team can enter the final. Generally, the footballers' attack and defense skill determines the score of a team. This paper adopt the comprehensive scoring method to carry out the comprehensive applied analysis on the eight consecutive sessions of World Cup Football Matches (from the 13th to the 20th), among which, the pressing match is mainly taken in the World Cup, whose main purpose is to push ahead the key of defense and main feature is that the opposing player loses the ball in midfield, which expands the attack range, used to get a better shot and strive for the scoring, very popular in the football field. It can be learnt from the relevant data statistics mention in this paper that, the comprehensive scoring method has greatly important significance in the modern football match, and the shortcomings and deficiencies existed in the football match over the years can be found by the comprehensive analysis on the goals scored, which can be further improved for the greater good of the team.

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