

Analysis of individual mistakes in the tactical performance of the defense and the relationship of goals recorded futsal football

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Abstract

It demonstrated the importance of research by the repeated mistakes in the tactical performance of individual defense committed during the games as well as knowledge related to those mistakes recorded the goals of her puppies. The research problem came in the diagnosis of the mistakes of individual tactical performance in the defense of the iraq clubs and players know how these mistakes goals recorded from her puppies past the defender.

The aims of the research is to identify the mistakes in the tactical performance of the individual in the defense of the players sample teams, either research sample included players participating clubs in the premier league football teams halls were processing the search results statistically, in the fourth quarter was the presentation and discussion of results, in chapter v it was the most important conclusions, the mistakes of the appearance of the tactical performance in the defense of individual players sample search teams. The most important recommendations was to increase the share of individual training in the defense under conditions similar to the conditions of competition.

Keywords: mistakes, performance, futsal

1-Definition research:

1-1 introduction and the importance of research:

Football futsal of games that have seen a remarkable development in recent years as it has become the performance of play has high speed and continuous diversification offensive and defensive lines in line with the nature of play and changing attitudes during the game, as well as the convergence of potential physical and functional players, increasing the trouble of coaches in the discovery of errors in individual performance or collective or Alvrqi or attack, and thus develop alternative solutions to address tactical errors that may appear during the game, and thus became the winning and losing in the game depending on the coach's ability to perform the fast processing My plans during the course of the game.

The defense is now more important at times of attack, and the importance of this there is now in most teams world provided by trained defense specialists to study defense problems in their teams, because the defending team if hauled the ball as a result of the defense of his work will be in the way of the attack and there will be a chance of injury to the opponent's goal, Hence the great benefit achieved by the defending team to deprive the opponent of a possible chance to score, as well as the injury of his own net, and this is determined by methods that are used defensive difference in the different moments of play, which is based in the composition of the individual potential of players where the defenders Ri conciliator Lord (that individual defense is the most important department in the defense of success and failure for any kind of defense selected depends on the individual defense for

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each player and in the end, any player level and skill affects the defense (Alvrgi level) (125: 9), and this requires tactical performance of the defense individual continuous follow-up and reveal the strengths and weaknesses of his performance, especially during the game was proceeding, because it is the main means to help the team get good results during tournaments and various competitions, and here demonstrated the importance of research by the repeated mistakes in the tactical performance of individual defense committed during the games as well as knew a relationship with those mistakes recorded the goals of her puppies.

1-2 Research Problem:

It is by watching the researcher for the best players in the country in the Premier League football futsal and found there are individual mistakes defensive major tactical repeated in every match and this means not diagnose those mistakes and put processors during a subsequent training modules, leading to a lack of development of the level of performance of the players, hence the research problem individual mistakes in the diagnosis of tactical performance in the defense of the Iraqi clubs and players know how these mistakes goals recorded from her puppies past the defender.

1-3 Research Aimes:

1. Identify the errors in tactical performance in the defense of individual players sample search teams.
2. Identify the relationship between the performance of individual mistakes in the tactical defense with goals scored as a result of those mistakes.

1-4 Imposition Of Rsearch:

- The existence of a significant correlation between the errors in tactical performance in the defense of individual goals and recorded as a result of the mistakes of the players sample of the research team.

1-5 Areas Of Research:

1-5-1 Human Field:

-Iraqi clubs participating in the Premier League football futsal of the season (2018-2019) and they (the police club, Club Air, the center of oil club, the South Oil Club, the Army Club).

1-5-2 Spatial Field: golf clubs under study.

1-5-3 Temporal Field: Duration of 28.04.2019 until 17.06.2019.

2- Research Methodology and procedures Field:

2-1 Research Methodology:

The researchers used the descriptive approach in a manner appropriate to the survey research problem and achieve its goals.

2-2 Sample rsearch:

chose the researchers sample purposively included players participating clubs in the Premier League football teams lounges five (5) teams (police, oil center, air, Southern Oil, the army) and the number of the sample (60) players make up the proportion (80%) of The original community after the exclusion of the net guards.

2-3 The identification of cases of errors in the tactical performance of the individual defense of football halls:

Select the researchers set of mistakes in the tactical performance of the individual in the defense of football futsal after taking the views of a group of experts and specialists (*) to identify the most important of those mistakes that occur frequently, and on this basis were selected mistakes that reached the proportion of recurrence in the opinion of experts (70%) and a more high and have an impact as shown in table 1.

Table (1)

Ratios shows the choice of mistakes in the tactical performance of the individual in the defense of football

T	Mistakes in the tactical performance of individual defense	The proportion of selected
1	Site selection of defensive mistakes	60%
2	Errors switch (ie monitoring change)	90%
3	Mistakes defensive coverage (ie without delay coverage)	90%
4	Mistakes did not return a player or more quickly to the defense	55%
5	Mistakes rebound (defensive follow-up)	80%
6	Mistakes cut the ball	50%
7	Mistakes late in preventing scoring	80%
8	Mistakes to respond to the movement of deceiving rival	80%

2-4 Design note form:

Due to the lack of a note in the form helps the researchers determine the number of cases of errors in the individual performance in defense so it was noted a proposed form for that purpose design.

2-5 Exploratory experiment:

Conducted a researchers exploratory experience on 28.3.2019 on a match between the two (port, South Gas), is part of the Premier League, which conducted the stadium (SOC) and the experience was the goal is to stand on all the obstacles facing the researchers during the main experiment and choosing the right place to shoot .

2-6 Objective observation:

The researchers when conducting exploratory experience analyzing individual tactical performance in the defense of the panels (the port, and the South Gas) immediately during the establishment of the game by using the note prepared form by the researchers, to find the correlation coefficient between the results of the analysis, it was (0.93) for the team port and (0.89) team South gas is a high correlation values and thus become an objective observation.

2-7 Main experiment:

The main experience to match the league began at 2 nd at noon on Saturday (05/04/2019) was the match between the teams (Air and Army) and on the form of video and photography, and continued this technique, which ended on (05/24/2019) , bringing the number of games that have been recorded and analyzed (20) match by (4) games for each team.

2-8 Statistical methods:

- 1-percentage (103: 1).
2. The arithmetic mean (103: 10).
3. The standard deviation (154: 10).
4. Pearson correlation coefficient (214: 10).
5. Aletbian analysis (193: 10).
6. Test teams significantly less (L.S.D) (310: 10).

3- Presentation and discussion of results:

3-1 Results and discussion of errors in the tactical performance of individual defense:

Table (2)

Average and standard deviations of rates and shows the percentage of targets

T	Mistakes	Measruing unit	The average rates	Standard deviations	Percentage
1	Delays in preventing scoring	Number	32.6	5.762	17.30%
2	Defensive coverage	Number	22.2	4.021	11.78%
3	Follow-up defense	Number	20.65	4.344	10.96%
4	Switch (change control)	Number	13.9	2.954	7.38%
5	Response to the movement of deceiving rival	Number	13.9	4.471	7.38%

Through the table (2) shows us the existence of mistakes in the tactical performance of the individual in the defense of the players sample search teams as follows: -

- As we note the first error, a delay in preventing scoring has reached the average for him and all matches of the research sample teams (32.6) and standard deviation (5.762), which is the percentage (17.30%) of all other mistakes, and this gives a negative indication of the skill of the players in preventing scoring in a timely fashion, which indicate weaknesses in the individual potential of the players despite the importance of this kind of defense because it is the last leg to stop the attack, the opponent and score goals, this task skill requires constant training much to relate to legal errors, although the defender has several key points excels in which the player twelve striker E scoring so requires him to cut the ball very carefully, and that this skill requires individual possibility to help the player in the face of the opponent's instant scoring and stop him, and this is what Aakdah Thamer Mohsen and confident Naji (the duty of the player defender is determined to prevent winning the ball from scoring, especially from the nearby areas striker Forbidden from the region and this depends on the individual susceptibility to this confrontation). (23: 3).

- The second error, a defensive coverage has reached the average rate has (22.2) and standard deviation (4.021), which is a percentage (11.78%) of the total other errors that caused a gap in the defensive wall as a result of the movement of guns to another place is its location and the exploitation of the attackers for this vacuum and then the correction or penetration, attributed the

researcher why the lack of what will be his rival expected movement and speed up the closure of the defensive gap, and this requires ongoing training as Essam Abdul-Khaliq indicates (the efficiency of the tactical situation of the athlete on the level of physical and technical skills and intellectual case) (8 : 5).

- The third error, a follow-up defensive ball counter has reached its average (20.65) and standard deviation (4.344), which is a percentage (10.96%) of the total errors and the researcher believes that this error occurs in the Iraqi teams came as a result of the adoption of the coaches on the player or players in the implementation of follow-up process defense we notice after leaving a decline in the performance of the players for this important performance, and that this error occurs by the sample I come as a result of lack of knowledge of the players to take the correct location as well as to determine the near forward movement and detained and not allowed to enter the penalty area, and outdo striker It depends primarily on Atkha Y the right defensive location after knowing and determine the direction of the near forward movement, and this is consistent researcher with Qasim obligation that (many Iraqi players did not get to the good and consistent performance in the implementation of the basic skills to monitor rebound which preceded the near attacker control and then defensive booking, as well as the lack of sufficient training periods) (51: 6).

- The fourth error is a mistake to switch any change control has reached the average rate him (13.9) and standard deviation (2.954), which is a percentage of (7.38%) of the total errors, and given that this type of skill performance tactical in individual defense depends on three important elements is the fitness of high fitness, and the necessary expertise to get rid of surveillance as well as harmony and understanding within the stadium and this area researcher believes it is the weak point in the players Iraqi teams because of the instability of the players in their clubs for relatively long periods and that Mohammed Abu-eyed indicates and Mufti Ibrahim so that the team team appears better there must be Taa Wen between the team and the harmony of individuals because it is a powerful weapon for the team and not to only two players, so the viability of the individual player should be focused in the end with the effort of the players of the other team (8: 121-135).

- The last mistake the fifth, a response to the movement fool competitor error has reached its average (13.9) and standard deviation (4.471), which is a percentage of (7.38%) of the total errors, attributed the researcher why these mistakes not to know the team defender the possibility and the ability of the attacking team using Tricks and quick action which is due to the inability of trainers to the use of illustrative means and films for the difference competing until a clear picture of the team and take advantage of them consists in discovering the strengths and weaknesses of the players of the opposing team and thus see Zuhair Al Khashab and others (exploration is knowledge, reconnaissance and exploration and Durr Study all the possibilities that are at the players of the opposing team can find out the weaknesses and strengths is placed each player in the right place for amenability and focuses their exercise to strengthen weaknesses, and reveals the weakness of the opposing team's strengths Ventjunb strength and attack weakness. (91: 4) In addition see the researcher to respond to the movement of deceiving discount resulting from the inability of the defender to read and analyze the movement and the possibility of the player rival, mentions Thamer Mohsen and others (as known as the player defender an opponent forward movement quickly whenever the defense was good and influential) (5: 2).

Table (3)

It shows the results of the analysis (P) between the mistakes in the tactical performance of the individual in the defense of the research sample

Contrast source (difference)	Sum of squares	Degrees of freedom	Average squares	Value P		The level of significance
				Calculated	Tabulated 0.05	
Between groups	2112.2	4	2640.9	61.992	2.1802	Moral
Within groups	153.6	36	42.6			
Total	2265.8	40				

As it shows us the table (3) that the value of t calculated the (61.992) is greater than the tabular value at the probability of error (0.05) in the (2.1802) and this shows that there were significant differences between the errors, and make sure that the errors are equal in impact or that one of them was more influential in the tactical performance of the individual in the defense of the researcher using the less significant difference method (LSD) has reached (8.379) at the probability of error (0.05) as in the table (4).

Table (4)

The difference in circles between computational errors shows in the performance of the individual in the tactical defense research sample value (L.S.D) under (0.05)

Mistakes	Measruing unit	S	Prevent delays in scoring	Defensive coverage	Defensive control when the ball counter	Any switch control change	Response to the movement of deceiving rival
			130.4	88.8	82.6	55.6	55.6
Prevent delays in scoring	Number	130.4		41.6	37.8	74.8	74.8
Defensive coverage	Number	88.8			6.2	33.2	33.2
Defensive control when the ball counter	Number	82.6				27	27
Any switch control change	Number	55.6					
Response to the movement of rival	Number	55.6					

As seen from the table (4) differences in mathematical circles between mistakes and their relationship with the values (L.S.D), as follows:

- Was the difference between the arithmetic mean of the error delay in preventing scoring and the rest of the circles computational errors other as follows: with defensive coverage error (41.6) and with defensive control error when the ball counter (47.8) and with a line not to return to the player or more quickly to defense (55) and error switch any change control (74.8) and with a line response to the movement of deceiving an opponent (74.8) Since the difference between the circles calculation is greater than the value of (LSD) under (0.05) this shows that there are significant differences between the errors in favor of the delay error in preventing scoring any sense that this error is more effective than the rest of the errors in the individual performance in defense.

- Occupied the error defensive coverage ranked fourth in the impact on the level of individual tactical performance in defense. This error is equal to defensive control when the rebound, as was the difference between the two mediums (6.2) which is less than the values (LSD) and this indicates that there is no significant differences between the two mistakes, The difference between the arithmetic mean of the error and the rest of the defensive coverage of other circles calculations were as follows:

With an error switch any change control (33.2) and the wrong response to the movement of deceiving an opponent (33.2) Since the difference between the circles calculation is greater than the values (L.S.D) This indicates that there are significant differences between these errors. The relationship between the defensive monitoring error when the ball counter and the rest of the other errors were as follows: If reached the difference with the arithmetic mean of the error switch any change control (27) and with the response to the movement of deceiving an opponent error (27) Since the difference between the circles calculation is greater than

the values (LSD) This indicates that there are significant differences between the errors in favor of defensive monitoring error when the ball counter .

- The difference between the arithmetic mean of the error switch any change control which occupied the last place in the impact with the arithmetic mean of the line response to the movement of deceiving an opponent (zero) reached Since the difference between the two mediums Alhassabeyen less than the values (LSD) This indicates that there is no significant differences between the two mistakes and two the same effect. In order to find out more teams to research variables so as to commit individually, the researcher used the contrast between the analysis and the difference for each error separately and described in Table 5.

Table (5)

It shows the results of analysis of variance (P) between the sample of the research teams for each line of mistakes in the tactical performance of individual defense

T	Mistakes	Source of variation difference	Sum of squares	Degrees of freedom	Average squares	Value (P)		The level of significance
						Calculated	Tabulated 0.05	
1	Switch any change control	BETWEEN GROUPS	26.5	4	6.625	0.632	3.055	Insignificant
		WITHIN GROUPS	157.25	15				
		TOTAL SUMMATION	183.75	19	10.48333			
2	Not to return to the player or more quickly defense	BETWEEN GROUPS	51.3	4	12.825	1.255	3.055	Insignificant
		WITHIN GROUPS	153.25	15				
		TOTAL SUMMATION	204.55	19	10.216666			
3	Defensive control when the ball counter	BETWEEN GROUPS	54.8	4	13.7	0.676	3.055	Insignificant
		WITHIN GROUPS	303.75	15				
		TOTAL SUMMATION	358.75	19	20.5			
4	Prevent delays in scoring	BETWEEN GROUPS	66.8	4	16.7	1.005	3.055	Insignificant
		WITHIN GROUPS	249.3	15				
		TOTAL SUMMATION	316.1	19	16.62			
5	Response to the movement of deceiving rival	BETWEEN GROUPS	19.3	4	4.825	0.201	3.055	Insignificant
		WITHIN GROUPS	36.5	15				
		TOTAL SUMMATION	379.8	19	24.033333			

As it became clear that the values of (P) calculated and each smaller than the value of an error when the possibility of a line (0.05) and this indicates that there is no significant differences between the sample teams in the commission of every mistake of mistakes in the tactical performance of individual defense means that the sample of the research teams were very close from committing those mistakes because they represent teams of Iraq provided the best technical level as well as the teams includes most of the players of national teams, as well as similar players difference research sample in many of the qualities of which they are from one geographic region (excluding South oil), age converged experience and the level of sports vacations close to limit can not differentiate between the level of those teams and your Insatiable one integrated team and homogeneous and this Kazem al-Rubaie

indicates (that homogeneity is an equal measure or similar to the properties of members of the team, which includes a ladder very wide range of different qualities: (age, experience sports Altasabakah, sports achievements level, education, family and social status, economic, concerns that emerge from the scope of sports etc) (126: 7).

3-2 Results and discussion of goals and recorded as a result of mistakes in the tactical performance of individual defense teams research sample:

- To find out the mistakes committed by the research sample goals recorded as a result of the relationship of these errors, the researchers using the **Pearson correlation** and also in the table (6).

Table (6)

It shows the correlation between the tactical mistakes in the defense of individual goals and recorded as a result of those mistakes research sample

The difference	Measruing unit	Relationship Relational		Values (t)		The level of significance
		MISTAKES IN THE TACTICAL DEFENSIVE PERFORMANCE OF INDIVIDUAL (S)	Goals recorded as a result of errors (r)	TABULATED	Calculated	
				0.05		
The police	Number	73	30	0.878	0.885	moral
Oil center	Number	75	33			
Air	Number	72	31			
South oil	Number	76	40			
Army	Number	79	38			
Total	Number	375	173			

Show table (6) that the values of (t) calculated amounted to (0.885), which is greater than the value of (t) Tabulated at the probability of mis (0.05) and the degree of freedom (3) the (0.878) and this means that there is a significant correlation between individual errors defense targets registered puppies, ie the more individual mistakes in defense increased the number of goals scored as a result of those errors and thus affect the team's final results. That is why the researcher believes that reducing errors in the tactical performance of individual defense will work on the defense's success in general, and thus reduces the registered competitor targets as a result of those mistakes, and it is imperative that the trainers great efforts made to reduce the occurrence of errors and encountered during the training modules giving more time to the skills of defense expected interest occurrence which caused the registration of goals against the team through a variety of kinetic exercises using various means of learning and training skill and thus build a strong defense was able to stop the attackers, and this sees many coaches that the sole way to win a match he joined the S through the defense Vigilant, The team, which has a coherent defense and gives great importance to him during training controls largely in the game output.

In order to know the number of goals scored as a result of all the fault of the mistakes of the teams research sample the researchers to find the average and standard deviations and percentages of targets and rates as in Table 7.

Table (7)

Circles computational rates and standard deviations and the percentage of targets shows

T	Mistakes	Measruing unit	Circles rates	Standard deviations	Percentage
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1	Prevent delays in scoring	Number	21.4	6.855	24.62%
2	Defensive coverage	Number	10.7	2.867	21.31%
3	Defensive surveillance	Number	7.15	2.109	8.23%
4	Switch (change control)	Number	3.25	1.019	3.74%

Where it shows us from the table (7) sequence average rates recorded goals as a result of each error as follows: -

- reached the average rate of targets registered as a result of the delay error in preventing scoring and all matches of the research sample teams (21.4) and standard deviation (6.855), which is a percentage (42.63%) of the total other targets, and considered this error is the most mistakes affect the registration of the opponent's goals, because the final outcome of the attack. if the defender cut or failed to prevent the ball moment scoring will be scoring points, especially if the attacker is fluent play scoring successfully.

- The average of goals recorded as a result of defensive coverage error reached (10.7) and standard deviation (2.867), which is a percentage (12.31%) of the total targets other errors, and targets gaps, allowing players the attacker to exploit this vulnerability and then recording the injury and scoring goals.

- The average of the goals recorded as a result of mis-defense surveillance when the ball counter has reached (7.15) and standard deviation (2.109), which is a percentage of (8.23%) of the total targets other errors, and is this error more dangerous scoring goals especially when the defending team is not proficient how the triangle defensive players booked the attackers close to the goal during the defensive follow-up because any touch of the attacking team football during the follow-up will enable him to record an easy injury.

- The average of goals recorded as a result of an error switch any change control has reached (3.25) and standard deviation (1.019), which is a percentage of (3.74%) of the total goals of mistakes, recorded goals as a result of this error, especially when it lacks the players team defender to the individual the possibility of correct understanding which helps them get rid of the offensive booking by using the switch (change), especially when close to the goal by the attacking team from the penetration and score goals managed areas.

- The less mistakes and therefore recorded goals because of it is to respond to the movement of deceiving rival where it reached the average of goals recorded as a result of this error (3.15) and standard deviation (1.768), which is a percentage of (3.62%) of the total targets other errors, and this error occurs most often away wide and therefore it may not affect the registration of the goals of the opposing team except near the appropriate scoring area cases.

4- Conclusions and recommendations:

4-1 Conclusions:

1-emergence of errors in tactical performance in the defense of individual players sample search teams.

2. The emergence of moral differences and errors were:

A-delayed mistakes in preventing mistakes scoring more frequent and influential, and at an average rate

(B) any change mistakes switch monitoring and response to the mis-movement fool competitor mistakes are less frequent and with an average

3. The absence of significant differences between the sample of the research teams in the commission of all mis mistakes.

4. The existence of a significant correlation between the errors committed and the goals recorded as a result of those mistakes teams research sample.

5. Delay in preventing mistakes scoring is more mistakes recording goals and at an average rate (21.4) and mis response to the movement of deceiving the opponent is the least mistakes recording goals and at an average rate (2.85).

4-2 Recommendations:

1. Increase the share of individual training in the defense under conditions similar to the conditions of competition.
2. The need to confirm the trainers in their training on how to prevent scoring and cut the ball because they are more defensive skills and frequent influence on the recording of the goals.
3. Carry out studies similar to error handling tactical defense, whether individual or collective, or the difference so as to the importance of defending football futsal.

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