



DOI: <https://doi.org/10.54702/5pgzhd14>

Decision-making and its relationship to some basic offensive skills in female students' basketball

Sahar Hurr Majeed ⁽¹⁾ ✉, Naima Zidan Khalaf ⁽²⁾ ✉

1&2 College of Physical Education and Sports Sciences for Woman / University of Baghdad

Received: 12/01/2024, Accepted: 24/01/2024, Published: 30/04/2024



This work is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/), © Modern Sport

Abstract

The purpose of this paper is to identify the degree of decision-making and its relationship to some basic offensive skills in basketball for female students, as decision-making is an individual's ability to reach a solution to an objectionable problem or a confusing situation, by choosing a solution from existing or innovative alternatives, and this choice depends on the information that the individual has collected about The problem depends on the values, habits, experience, education, and individual skills. The game of basketball is characterized by the presence of many changing situations during the match. It is a struggle of decisions between the attacking player, who makes a decision to end the attack correctly, and the defensive player, who must make a quick decision to confront the attacker and prevent him from implementing his decision and thwarting the attack. Try to implement. Through the experience of the two researchers, this problem has crystallized in the presence of a deficiency in decision-making for fourth-stage female students, which is reflected in their performance in playing. The research problem lies in the following question: Is decision-making related to some basic offensive skills in basketball for female students, as the researchers hypothesized the existence of a correlation between decision-making and Decision and some basic offensive skills in basketball for female students. The researchers also adopted the descriptive approach in the style of survey study and correlational relationships. The research community was represented by fourth-year female students in the College of Physical Education and Sports Sciences for Woman / University of Baghdad for the academic year 2022-2023, who numbered (83) students. A sample was chosen. The number of students was (30) and (3) female students for the exploratory experiment from the research community. The decision-making scale and tests of basic offensive skills in basketball were adopted. The results were also extracted using appropriate statistical treatments from the (SPSS) program, and the results were presented, analyzed and discussed, according to the results. The conclusions were reached: Most female students have a good level of decision-making and basic offensive skills in basketball, and there is a direct relationship between decision-making and basic offensive skills in basketball for female students. The researchers also recommend conducting a study that addresses the relationship between the variables of the current research and some other variables. The two researchers also suggest conducting a similar study on students, advanced players, youth, and juniors for various events.

Keywords

decision making, basic offensive skills, basketball.

Introduction:

The educational field has witnessed at the present time a great development through studies and research that have been presented in the scientific arena, as these studies have been represented by many special researches in developing the energies and capabilities of its students in an

integrated scientific manner, physically, psychologically, and skillfully, to achieve the best sports performance, and the mental aspects are highlighted as one of those important links that complement the process. Educational education because it has a significant impact in increasing support for the good performance of

various skills. In light of the interest in physical education in most parts of the world, communication has become an essential element of sports societies, regardless of the degree of development of this society to become a counterpart to sports in various sporting events and activities. Decision-making is a process of choosing from among a group of alternatives to reach a specific result. In a certain situation and time, the game of basketball is one of the popular group games for children and adults because it is distinguished from other group games, in terms of the method of its skillful and tactical performance, the method of calculating points, the speed of performance and the timing of the attack, which contributed to a high level of excitement and enthusiasm among its viewers, especially during the implementation of demands. The game has a small playing area compared to the number of players, in addition to the height and small diameter of the shooting ring. Making the right decisions in the game of basketball is one of the most important aspects that the player enjoys. Decisions vary according to the situation, people, and time, each situation has its own decision, and decision-making must be distinguished. With positive energy in addition to morale based on the desire and struggle to excel in playing situations, which will result in a certain type of distinguished activity characterized by effectiveness and perseverance, and that the basic offensive skills are diverse and numerous, and the game of basketball is characterized by the presence of many changing situations during the match, which is a struggle of decisions between the attacking player. The one who makes a decision to end the attack correctly, and the defensive player who must make a quick decision to confront the attacker and prevent him from implementing his decision and thwarting the implementation attempt. Hence the importance of research in identifying decision-making and its relationship to some basic offensive skills in basketball for female students, out of our belief in developing the game of basketball. Basketball in our dear country. Through the experience of the two researchers, this problem has crystallized in the presence of a deficiency in decision-making for the female students of the fourth stage, which is reflected in their performance of the basic offensive skills in

basketball. The problem of the research lies in the following question: Is decision-making related to some offensive skills in basketball for the female students? The study aims to identify the degree of decision-making and its relationship to some basic offensive skills in basketball for female students. The two researchers also hypothesized the existence of a correlation between decision-making and some basic offensive skills in basketball among fourth-year female students at the College of Physical Education and Sports Sciences for Woman. The study included the human field: fourth-year female students. In the College of Physical Education and Sports Sciences for Woman - University of Baghdad for the academic year 2022-2023, and the temporal scope: for the period from 1/3/2023 to 1/4/2023, and the spatial scope: Hall of the College of Physical Education and Sports Sciences for Woman/University of Baghdad.

Research methodology and field procedures:

Research Methodology:

The two researchers adopted the descriptive approach using the survey study method and correlational relations. The research community and its sample. The research community was determined by the female students of the fourth stage of the College of Physical Education and Sports Sciences for Woman / University of Baghdad, who numbered (83) students. A sample of them was chosen, numbering (30) students, and (3) female students for the experiment. Survey of the research community.

Devices, tools and methods used in research:

The researchers used the following methods, tools and devices.

Arab and foreign sources, tests and standards. - A legal basketball court with (5) basketball balls. Signs number (6). Stopwatch number (1). Portable calculator (1). Office supplies (pens, paper). Adhesive tape.

Field research procedures:

Decision-making scale (5) the decision-making scale was applied by the researcher (Junjun, Muhammad Zuhayr Husayn), as it consists of (22) items (see Appendix 2) according to three alternatives, which are (always - sometimes - rarely) if the highest degree of the measurement is 66 and the lowest degree is 22 degrees. Answer

key (3-2-1) for positive paragraphs (1-2-3) for negative paragraphs.

Pass test (passing and receiving) (1)

Purpose of the test: To measure the laboratory's ability to speed passing and receiving. Performance specifications: The student stands behind a line drawn on the floor and at a distance of (270) cm from the wall. Upon hearing the start signal, the student tackles the wall as quickly as possible. Then she receives the ball after it bounces from the wall and repeats the action until she performs (10) correct tackles. . Recording: The test performance time is calculated from the moment the ball touches the wall in the first successful passing until the ball touches the wall in the tenth successful passing.

Dribbling test (3)

The purpose of the test: to measure the speed of dribbling. Test specifications: The student stands with the ball behind the starting line, and when the start signal is given, she taps the ball and runs with it around 6 flags until she crosses the starting line with the ball. She performs the test as quickly as possible. Registration: - Recording for the student the result of the best attempt of approaching 1/10 second.

Free throw test (10 throws) (4)

Purpose of the test: to measure the accuracy of free throw shooting. Performance description. The student takes a standing position with the ball behind the middle of the free throw line. Each student performs two sets, each set consisting of (5) consecutive throws. The score is the total points you get in (10) throws.

Table .1 shows the value of the stability coefficient for the decision-making scale after the Spearman equation

Variables	Measuring unit	Stability coefficient	The value of the stability coefficient after spearman's equation
Decision-making	Degree	0.846	0.927

Main experiment:

The information decision-making scale and tests of basic offensive skills in basketball were applied to the sample members, which numbered (30) female students on 20/230/2023.

Exploratory experience:

The exploratory experiment was conducted to measure decision-making and basic offensive skills in basketball: on Sunday and Monday, March 12-13, 2023, in the College of Physical Education and Sports Sciences for Woman, University of Baghdad, on a sample of three female students outside the research sample.

Scientific foundations of the decision-making scale:

Validity of the scale:

The two researchers used content validity by presenting the two scales to a group of experts and specialists in the field of sports psychology and testing (Appendix 1) to verify the validity of the two scales. After collecting data, the results resulted in the experts' agreement on the validity of the two scales for individuals in the research sample, with an agreement rate of 100%.

Stability of the scale:

The concept of stability is one of the basic concepts in the scale and must be present in the scale or test in order for it to be valid for use, as the stability of the test refers to the consistency of the scores obtained by the same individuals at different times of the test. Therefore, the two researchers chose the method of splitting in half to determine the stability of the scale in relation to the scale. Make decision.

Statistical methods:

The search data was processed through the Statistical Package for the Social Sciences (SPSS).

Results:

Table .2 shows the arithmetic means, standard deviations, and hypothesized means for the research variables

No.	Tests	Measuring unit	Arithmetic means	Standard deviations	Hypothesized means
1	Make decision	Degree	49.6	6.6	48.8
2	Passing	Second	15.2	3.1	15.0
3	Dribbling	Second	16.8	2.3	15.5
4	Free throw	Count	6	2	6

Table .3 shows the correlation coefficient and significance level for the research variables

No.	Tests	correlation coefficient calculated	correlation coefficient tabular	type sig
Decision-making				
1	Passing			
2	Dribbling	0.87	0.3	sig
3	Free throw			

Discussion:

Through these results, it was shown that there is a close correlation between decision-making and each of the chest tackles, zigzag dribbling, and free throws in basketball for female students. Thus, we find that decision-making plays an effective role in achieving mastery of offensive skills in the game of basketball, "as the basis for decision-making is Comparing between the available alternatives and then choosing an alternative from the proposed alternatives after studying and thinking. Hence, decision-making is a mental process through which various alternatives are generated and evaluated and then the best alternative is chosen from among these alternatives based on a set of steps. (1) the ability to make decisions plays a crucial role in the performance of players in basketball. For example, a player who has effective decision-making ability can improve his analysis of situations during a match, which helps him make quick and appropriate decisions. A student who has a good vision and strategy for the game can make a difference in coordinating with her classmates and exploiting offensive opportunities effectively. The ability to make quick decisions regarding passing the ball, choosing appropriate offensive movements, and integrating them with the team's plans enhances the team's performance in general. Both (Hamid and Muhammad) pointed out, "The basis for the process of selecting tests to

study in order to achieve goals and thus serve the skills of Study) (2).

Both (suaher) pointed out, In conclusion, the exercise program used in this study is effective to improve physical-kinetic intelligence and the skills of dribbling and shooting in basketball among female students. (6). Both (suaher) pointed out, In conclusion, The researchers found the following conclusions: - Special exercises have a high effectiveness in learning some types of Scoring basketball, and special exercises to teach students to develop motor satisfaction, the cognitive group outweighs the cognitive focus of learning the skills of lateral Scoring and peaceful Scoring. (7)

Conclusions:

According to the results reached by the two researchers, the following conclusions can be formulated:

- Most of the female students have a good level of decision-making and basic offensive skills in basketball.
- There is a direct relationship between decision-making and basic offensive skills in female students' basketball.

Recommendations:

The researchers recommend the following:

- Conduct a study that addresses the relationship between the variables of the current research and some other variables.

- Conduct a similar study on students, advanced players, youth, and juniors for various events

References:

- 1- Majeed , S. H. (2023). The Effect of Special Exercises According to the Differentiated Teaching Method on Mental Motivation and Learning the Skills of Basketball and Shooting for Female Students. *Revistaiberoamericana de psicología del ejercicio y eldeporte*, 18(1), 117-121. <https://www.scopus.com/record/display.uri?eid=2-s2.0-85152714621&origin=resultslist>
- 2- Hamad Sobhi Hassanein and Mohamed Mahmoud Abdel Dayem. (1984). Measurement in Basketball. 1st edition, Kuwait, Dar Al-Fikr Al-Arabi.
- 3- Muhammad Hassan Allawi and Muhammad Nasr al-Din Radwan.(1987). Skilled and psychological competition in the sports field. 1st edition, Cairo, Dar Al-Fikr Al-Arabi.

- 4- Yasar Sabah Jassim. (Press 2016). Basketball. Diyala, Diyala University
- 5- Junjun, Muhammad Zuhayr Husayn. (2017). Psychological alienation and its relationship to mental health and decision-making among displaced students in middle school.
- 6- Majeed, S. H. (2023). Effect of an exercise program on physical-kinetic intelligence and the skills of dribbling and shooting in basketball among female students. *SPORT TK-Revista EuroAmericana de Ciencias del Deporte*, 15-15. <https://www.scopus.com/record/display.uri?eid=2-s2.0-85171876265&origin=resultslist>
- 7- Majeed, S. H., Ebrahim AL-Ezzi, A. K., & Nasser, A. J. (2019). The Effect of Special Exercises for those with (Cognitive Concentration) in the Development of Motor Satisfaction and Learning Some Types of Scoring Basketball for Students. *Indian Journal of Public Health Research & Development*, 10(5). <https://www.scopus.com/record/display.uri?eid=2-s2.0-85152714621&origin=resultslist>

Appendix (1)

Shows the experts

No.	Scientific title	Name	Specialization	Affiliations
1	Prof. Dr.	Amer saeed	Psychology	University of babylon
2	Prof. Dr.	Senaria jabbar	Psychology	University of diyala
3	Prof. Dr.	Muhammad walid	Tests	University of diyala

Appendix (2)

Decision-making scale

No.	Decision making scale statements	Always	Someti mes	Rarely
1	When jumping, performing a peaceful shot or dropping the ball behind the basketball board, I have the ability to choose the most appropriate time to make the decision.			
2	I have enough experience to make the appropriate decision in hitting the ball far or close to the basket			
3	I base my decisions on my knowledge of basketball rules and tactics			
4	When I make a decision, I follow up on its implementation by performing a safe shot or			

	dropping the ball behind the basketball board
5	I can easily and flexibly determine the appropriate decision for a colleague's communion location
6	I appreciate the responsibility of making decisions in the event of a handling failure or success
7	I made my decision based on my previous experience with efficiency and effectiveness in peaceful shooting
8	I evaluate the merits of each skill when making basketball decisions
9	Make my decision based on new and innovative information in Dribbling performance
10	I make my decision to perform a peaceful shot even if I do not achieve a point in it
11	I allow my previous decisions to perform the successful Dribbling and Peaceful Shooting skills to influence my current decisions to perform the two skills.
12	I do not hesitate when deciding to perform Dribbling and Shooting
13	Make sure to evaluate the alternatives before making the decision to perform the tackle or drop the ball into the space behind the basket
14	My psychological state does not affect decision-making in Dribbling and Nonviolent Shooting
15	Participate with team members in determining the best alternative to perform handling and dribbling
16	I attribute the results of my decision to the success or failure of the handling performance
17	I seek to obtain the opinion of the team members and the coach regarding the decision taken according to the implementation of the plan drawn up, including peaceful shooting and dribbling.
18	Be guided by regulations and laws when deciding to perform Dribbling and handling
19	I plan clearly and specifically to implement my decisions when performing peaceful shooting
20	I defend the decision I made to perform Dribbling
21	I tend to make decisions without delay when performing Dribbling
22	I do not back down from correct decisions in performing peaceful handling and correction

اتخاذ القرار وعلاقته ببعض المهارات الأساسية الهجومية بكرة السلة للطلّبات

سحر حر مجيد 1 ، نعيمة زيدان خلف 2

2&1 جامعة بغداد / كلية التربية البدنية و علوم الرياضة للبنات

ملخص البحث

هدفت الدراسة الى التعرف على درجة اتخاذ القرار وعلاقتها ببعض المهارات الأساسية الهجومية بكرة السلة للطلّبات ، اذ يعد اتخاذ القرار قدرة الفرد على التوصل لحل مشكلة اعراضية أو موقف محير، وذلك باختيار حل من البدائل الموجودة أو المبتكرة، وهذا الاختيار يعتمد على المعلومات التي جمعها الفرد حول المشكلة وعلى القيم والعادات والخبرة والتعليم والمهارات الفردية وتمتاز لعبة كرة السلة بوجود الكثير من المواقف المتغيرة اثناء المباراة وهي عبارة عن صراع قرارات بين اللاعب المهاجم الذي يتخذ قرار لأنهاء الهجمة بشكل صحيح، واللاعب المدافع الذي يتوجب عليه اتخاذ قرار سريع لمواجهة المهاجم ومنعه من تنفيذ قراره وإحباط محاولة التنفيذ. ومن خلال خبرة الباحثتان فقد تبلورت هذه المشكلة في وجود قصور في اتخاذ القرار لطلّبات المرحلة الرابعة والذي ينعكس على إدائهن في اللعب، وتكمن مشكلة البحث بالتساؤل الاتي: هل لاتخاذ القرار علاقة ببعض المهارات الأساسية الهجومية بكرة السلة للطلّبات، اذ فرضت الباحثتان وجود علاقة ارتباط بين اتخاذ القرار وبعض المهارات الأساسية الهجومية بكرة السلة لطلّبات، كما اعتمدت الباحثتان المنهج الوصفي بأسلوب الدراسة المسحية والعلاقات الارتباطية، وتمثل مجتمع البحث بطلّبات المرحلة الرابعة في كلية التربية البدنية و علوم الرياضة للبنات / جامعة بغداد للعام الدراسي 2022-2023 والبالغ عددهن (83) طالبة تم اختيار عينة عددها (30) طالبة، و (3) طالبات للتجربة الاستطلاعية من مجتمع البحث، وتم اعتماد مقياس اتخاذ القرار واختبارات المهارات الأساسية الهجومية بكرة السلة، كما تم استخراج النتائج باستخدام المعالجات الاحصائية المناسبة من برنامج (SPSS وعرض النتائج وتحليلها ومناقشتها، في ضوء النتائج تم التوصل إلى صياغة الاستنتاجات: أن أغلب الطالبات يتمتعن بمستوى جيد من اتخاذ القرار والمهارات الأساسية الهجومية بكرة السلة، وهناك علاقة طردية بين اتخاذ القرار والمهارات الأساسية الهجومية بكرة السلة للطلّبات، كما توصي الباحثتان باجراء إجراء دراسة تتناول العلاقة بين متغيرات البحث الحالي وبعض المتغيرات الأخرى، كما تقترح الباحثتان إجراء دراسة مماثلة على فئة الطلاب واللاعبين المتقدمين والشباب والناشئين لمختلف الفعاليات.

اتخاذ القرار، المهارات الأساسية الهجومية، كرة السلة

الكلمات المفتاحية