

# Perceptions of success and its relationship to the level of achievement in fencing

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## Abstract

Success in the sport of fencing requires many mental, physical, and motor abilities that every fencing player must possess. Through teaching and training in fencing, I found that students in performing any skill must possess many of the abilities and skills that are required of them in performance, and that they have the drive to succeed, but the challenges and fear of injury and failure determine their achievement, and it is the competition between them that makes them overcome those challenges, which prompted the researcher to study and verify the level of achievement through their perceptions of success.

The research aims to identify perceptions of success and its relationship to the level of achievement in fencing among students trained in fencing. As for the research hypothesis, there is a relationship with a significant effect between the perception of success and the level of achievement with the fencing sword. The researcher used the descriptive approach with correlational relationships. The research community was identified (135) trainee students. The exploratory experiment was conducted on (24) trainee students from the research community, and the purpose of the experiment was to know the suitability of the tests to the level of the sample, knowing the time required to implement the test, knowing the possible errors and working to avoid them. As for the main experiment sample, it was chosen randomly by lottery with (24) non-experimental trainees being distributed to them. The scale contains (13) items on perceptions of success, as the researcher concluded. A significant correlation was found that there is a relationship between perceptions of success and the level of achievement among the sample of respondents. There are perceptions of success for the trainee students that were identified through the competitive capabilities that they possess among themselves, which made them reach achievement.

*The researcher recommends:*

- Conducting similar research for different age groups and for both genders in fencing. The researcher recommends finding out the correlation between the measure of perceptions of success and the level of achievement in other events.
- The researcher recommends using competition while learning and training for fencing.

**Keywords:** Perceptions of success - achievement in fencing.

## Introduction

The sports field has witnessed scientific development in all sports events or games and the various sciences related to it. The achievements and high levels that have been achieved are only through programmed scientific planning and following the correct scientific foundations, whether in the process of learning or training motor skills, and among these sports games or events that have gained With great and widespread interest is the sport of fencing, which is one of the individual sports included in this development as a result of the great competition between most countries of the world in innovating modern scientific methods in the processes of motor learning or sports training and what it entails in protecting learners or players from the risks of injuries that could befall them during the course of the sport. They learn motor skills as a result of a lack of good understanding of the skills to be learned, or during training of players as a result of physical effort exceeding the normal limit and placed on their functional organs and systems.<sup>1</sup>

Mental processes, motivation, the feeling of success, and learning from mistakes are one of the aspects that work to achieve results and achievement in various sports skills, and every player has perceptions of his expected success, so the researcher used a measure of perceptions of success for achievement in the game of fencing in particular.

## Research problem

Fencing is one of the difficult sports in terms of attack and defense, and achieving achievement in this sport depends on many positions that the player or student must take. Since the student trainee is one of the students who study and train in fencing, it was found that the performance of the trainee student in fencing with his colleagues They face many problems and their fear, which makes it difficult and makes achieving achievement and victory difficult.

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It is necessary to learn about the situations of success and mistakes, as the researcher decided to delve into this problem and confronted the problem according to the knowledge of the perceptions of success among the trained students at their level of achievement in the sport of fencing with the fencing sword.

### Research objectives

1. Using the Success Perceptions Scale.
2. Identifying the perception of success and its relationship to the level of achievement in fencing.

### Research hypotheses

- There is a significant relationship between perception of success and level of achievement with fencing.

### Research fields

1. The human field was student trainees for the College of Physical Education and Sports Sciences, University of Babylon
2. The spatial field was the fencing hall in physical education and sports sciences.
3. The time frame is from 3/1 to 4/1/2023.

### Research methodology

Using the descriptive approach in the manner of correlational relationships to find out the extent of the relationship between two or more variables, or in other words the extent of agreement between the variables in one factor with the variables in another factor.<sup>2</sup>

It is the path through which the truth is reached. The method is one of the important factors that the researcher follows to solve his problem, and it is tested according to the nature of the problem to be studied, as the nature of the problem requires the researcher to make the optimal and appropriate choice to solve that study.

### The research community and its sample

The goals that the researcher sets for his research and the procedures he uses will determine the nature of the sample he chooses. The researcher chose the research population represented by the third-stage trainee students of the College of Physical Education and Sports Sciences, whose number was (135) students, divided into three divisions, and the fourth division was excluded because it was female students.

The research sample was chosen randomly by lottery, and its number was (24) trainee students who were selected. The sample percentage from the community was (17.77%).

**Table 1.** Shows the homogeneity of the research sample by the skewness factor in the variables of length, mass, and chronological age.

Variables	Units	Mean	Median	STDEV.	skewness
Length	Cm	161.70	162	2.039	-0.44
Mass	Kg	60.65	61	1.506	- 0.69
Age	Year	21.80	22	1.054	- 0.56

The results indicated that all variables fell under the moderate curve of the normal distribution. This indicated the homogeneity of the sample, and the distribution was limited between the two values ( $\pm 1$ ).

### Tools and devices used in the research.

- Desk pens.
- Computer.
- Means of testing and measurement.

### Field research procedures

#### Exploratory experiment

The researcher conducted the exploratory experiment on 3/1/2023 on a group of 24 students, and the scale form was distributed to check for errors and the specified time and to clarify how to answer the scale when conducting the main experiment for the research sample.

**The main research experience.**

The researcher distributed a questionnaire to measure (perceptions of success, which consisted of 13 items to determine the level of achievement with the fencing sword) to the research sample. It was ensured that the objectives of the research were explained and the necessity of answering all questions carefully and honestly. (24) forms (for the scale) were distributed. After that, we collected the questionnaires, which were verified to be complete, and filled them out with special forms prepared by the researcher in preparation for statistical processing.

**Testing the level of achievement**

The researcher tested the level of achievement of the fencing players by drawing lots and distributing the players into four groups, each group divided into (6) players. Qualifications were conducted by each group playing in a league system of five touches in three minutes for each match. Then the researcher classified the testers by During the calculation of the number of winning matches, the number of touches for each player for and against him, and the number of losing matches in them, he then arranged the players from the first level to the last level. Then the researcher conducted the match with the (knockout) system for all groups after the top four players were distributed in the form of heads of the groups for each group. It consisted of (6) players, and then the remaining players were distributed in the (live) style.

After this, they were ranked from first place to last place.

**Results and discussions**

**Table 2.** Shows the correlation between perceptions of success and the level of achievement.

Research variables	Units	Mean	STDEV.	Kendall correlation coefficient	Indication
Perceptions of success	Degree	47.13	4.714	0.20	Sig.
Level of achievement	Number(touch)	3.25	0.536		

The tabular value is (0.188) at a degree of freedom (23). Table (2) shows the test of perceptions of success for the members of the research sample, where the arithmetic mean reached (47.12) and a standard deviation of (4.715). It also shows the arithmetic meaning for the test of the level of achievement for the members of the research sample, which reached (3.24) and a standard deviation. Its amount is (0.537). The value of the Kendall correlation coefficient between perceptions of success and the level of achievement of the members of the research sample was (0.20), which is greater than the tabular value of (0.188) and below the significance level of (0.05). The sample size is (24) trained players, and this shows the existence of a moral correlation relationship. Between the two variables, and from this table, we found that the trainee students have perceptions of success at a high level through achieving victory in the matches that the trainee students conducted among themselves under the supervision of the researcher.<sup>3</sup> This indicates that the items of the Success Perceptions Scale have a close relationship with the level of achievement through their understanding of fencing skills. And perceptions of success.<sup>4</sup>

Through the results achieved, it was shown that the students strive to achieve achievement through their mastery of the skills of fencing while playing, and that is through continuous attendance at the lecture and hard work on the details of the skill, which led to achieving a good level of perceptions of success and achieving the highest number of points over others, which made me I can be the best player and thus I can achieve the best success. Hard and continuous work on training and following healthy steps for the lesson leads to progress, success and a sense of realization of success, and one of the best ways to achieve a high level of achievement, which makes progress fast and noticeable,<sup>5</sup> is through achieving goals through exerted and continuous effort. Mastering skills well and overcoming difficulties requires work, great efforts, self-confidence, and understanding the meaning of success.<sup>6</sup>

Personal goals come from a good sense of self, which makes these goals easy to achieve. Winning a competition requires continuous and mastered work on all the skills related to fencing to a great extent, through self-confidence and a good feeling in front of competitors. The player or student must show his inner abilities. Every person has abilities that exist in Within it,<sup>7</sup> the player must set a goal in front of him and strive hard to achieve this goal and maintain the level he has reached to a significant degree.<sup>8</sup>

### Conclusions

1. There is a relationship between perceptions of success and the level of achievement among the research sample.
2. There are perceptions of success for the trainee students, which were identified through the competitive capabilities that they possess among themselves, which made them reach achievement.

### Recommendations

1. The researcher recommends knowing the correlation between the measure of perceptions of success and the level of achievement in other activities.
2. Conducting similar research for different age groups and for both genders in fencing
3. The researcher recommends the use of competitive exercises while learning and training for fencing.
4. The researcher recommends using different measurements on samples and other sporting events.

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