



COMPARITIVE STUDY ON ACHIVEMENT MOTIVATION AND UNFORCED ERROR AMONG STATE LEVEL WOMEN BALLBADMINTON PLAYERS

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Abstract

Achievement motivation is very essential for the physical education. The awareness of Achievement motivation and unforced error is transferred from ancient culture. Through knowing the level of Achievement motivation we can improve the standard of physical education. In modern age the importance of Achievement motivation increases day by day. The purpose of this study was to find out the unforced error of the school state senior ball badminton women team. A total of 32 state senior ball badminton women players (N=32) were selected from the state senior ball badminton women players.

Key Words: *Achievement Motivation, Unforced Error, Ball badminton.*

Introduction

Physical education is an integral part of total education program designed to promote the optimum development of an individual physically, socially, emotionally, mentally, and spiritually through total body movement in the performance of properly physical activities.

This study touches the branches of sports psychology through the medium of achievement motivation and unforced error. This study compares achievement motivation and unforced error. Both variables are interrelated because the achievement motivation depend the level of unforced error. Unforced error creates by player own way. So the achievement can easily reach by reducing the unforced error.

Explanation of Terms

Achievement motivation

“Motivation is based on your emotions and achievement-related goals. Achievement motivation is based on reaching success and achieving all of our aspirations in life “reports the Rochester institute of technology (RIT).

Unforced Error

An unforced error is a mistake that you make due to simply hitting the ball incorrectly (shanks, mishit) or using improper positioning, lack of precision or just bad luck (such as hitting the let cord and having it drop back on your side).

Review of Related Literature

Brody h (2006 may) Unforced errors and error reduction in tennis only at the highest level of tennis is the number of winners comparable to the number of unforced errors. As the average player loses many more points due to unforced errors than due to winners by an opponent, if the rate of unforced errors can be reduced, it should lead to an increase in points won. This article shows how players can improve their game by understanding and applying the laws of physics to reduce the number of unforced errors.

Partial and Sharma (2012) has conducted a study on a comparative study on comparative study of achievement motivation and test anxiety among sports men of himachal Pradesh university. the present study was under taken to compare the achievement motivation and test anxiety level between sportsmen and non-sports men of himachal Pradesh university at college level for this purpose one hundred and twenty student (60 sports person and 60 non-person)studying different colleges affiliated to himachal Pradesh university, shimla where randomly selected to act as subjects. The data regarding achievement motivation was collected through achievement motivation scale adopted by mishra and srivastva and used test anxiety inventory developed by sud ad sud for collection of data regarding test anxiety. Mean and standard deviation used as statistical techniques to drew mean of total scores of each variable between subject and t-test is also used to find out significance difference. The result indicates that sports men found to be higher achievement motivational level as comparison to non-sportsmen. But no significant difference was found regarding test anxiety between sportsmen and non-sportsmen

Objectives

To find out the relationship between achievement motivation and unforced error.



Hypothesis

- It was hypothesized that there will be significant relationship between unforced error and achievement motivation.
- It was hypothesized that there may be significant different comparisons of among unforced error and achievement motivation of ball badminton district players of school senior state level tournament

Methodology

Sampling

Selection of Subjects

1. The subjects for the study were selected from school state senior semi-final team
2. Rang of age between 15 - 18
3. The female subjects are selected for the study

Selection of Variables

The variables are condition characteristics that the investigator manipulated their observation

Dependent variable: - unforced error, achievement motivation , Independent variable: - observation, questionnaire

Administration of Test

Questionnaire tool was used for this investigation. Questionnaire was distributed to individuals and was filled out by the respondent under the supervision of the investigator. The investigator is observing the senior state women ball badminton tournament collecting unforced error of all teams. The team who has less unforced error will be the winner. The questionnaire is given to assess the achievement level of all players.

Validity of Questionnaire

Achievement motivation among the subject is assessed using a standard sports achievement motivation test. Questionnaire of pratibha deo and asha mohan was administered by the subject

Orientation of Subject

The subjects for this study were oriented and the purpose of the study was explained. The method of answering each question was explained to them in their mother tongue. The nature and importance of this study was explained to the subject for their maximum participation

Statistical Technique

Physical variable was used for the statistical treatment to find out whether there was any significant difference between the four groups by analysis of co-relation is used.

Table- I, Descriptive analysis of achievement motivation district level women ball badminton players

DISTRICT	N	MINIMUM	MAXIMUM	MEAN	SD
MALAPPURAM	5	153	175	161.4000	8.7636
ERNAKULAM	5	132	164	150.6000	10.8028
PALAKKAD	8	143	175	164.8750	10.8948
TRIVANDRUM	6	134	169	149.8333	12.5764

The above table shows the descriptive statistics of achievement motivation of women ball badminton players. The minimum and maximum values of achievement motivation of Malapuram team 153 and 175,Ernakulam team 132-164, Palakad 143-175, and Trivandrum 134-169 District team .The mean of the achievement motivation is Malapuram 161.400, Ernakulum 150.6000, palakad 164.8750, and Trivandrum 149.8333 and standard deviation of achievement motivation is Malapuram 8.7636, Ernakulam 10.8028, Palakad 10.8948,and Trivandrum 12.5764

Table- II, Anova of achievement motivation of women ball badminton players in district team

	SUM OF SEQUENCE	Df	MEAN SQUARE	f
BETWEENGROUP	1101.752	3	367.242	2.940
WITHIN GROUP	2498.108	20	124.905	
TOTAL	3599.833	23		

Significant at 0.05 level of confidence, the tabulate value is 3.0984



The above table indicates that there is a no significant difference between the unforced error and achievement motivation of state level ball badminton players ,of each district team since the calculated' value of ball badminton players , 2.940 is lesser than tabulated f' value of 3.0984 at 0.05 level of significance with 23 degrees of freedom.

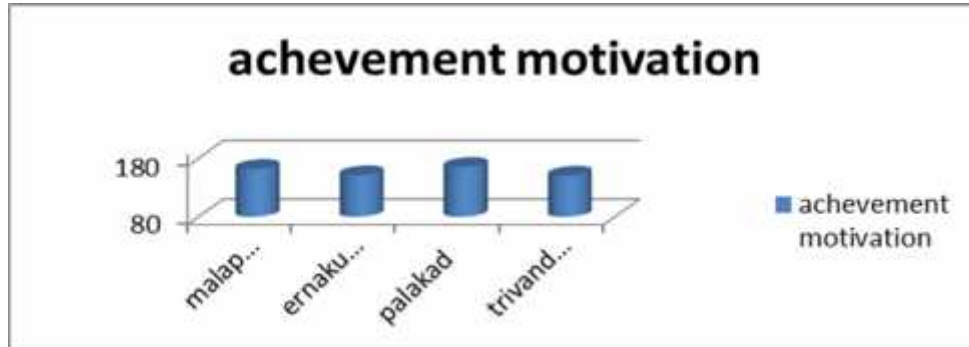


Table III, Descriptive analysis of unforced error in district level women ball badminton players

DISTRICT	N	MINIMUM	MAXIMUM	MEAN	SD
MALAPPURAM	5	16.00	40.00	26.6000	10.9453
ERNAKULAM	5	12.00	38.00	25.2000	10.8028
PALAKKAD	8	2.00	49.00	22.0000	18.0238
TRIVANDRUM	6	15.00	39.00	25.0000	9.6954

The above table shows the descriptive statistics of unforced error of women ball badminton players. The minimum and maximum values of unforced error of Malappuram team 16 and 40, Ernakulam team 12-38, Palakkad 2-49, and Trivandrum 15-39 . district team .The mean of the achievement motivation is Malappuram 26.6000,Ernakulam 25.2000,Palakkad 22.0000,and Trivandrum 25.0000 and standard deviation of achievement motivation is Malappuram 10.9453,Ernakulam 10.8028,Palakkad 18.0238,and Trivandrum 9.6954

Table- IV, Anova of unforced error state level women ball badminton players

	SUM OF SEQUENCE	Df	MEAN SQUARE	f
BETWEENGROUP	75.625	3	25.208	.137
WITHIN GROUP	3690.000	20	184.500	
TOTAL	3765.625	23		

Significant at 0.05 level of confidence, the tabulate value is 3.0984

The above table indicates that there is no significant difference between the unforced error and achievement motivation of district level ball badminton players , since the calculated' value of ball badminton players , .137 is lesser than tabulated f' value of 3.0984 at 0.05 level of significance with 23 degrees of freedom. The difference in means of ball badminton players among unforced error and achievement motivation is shown in fig II

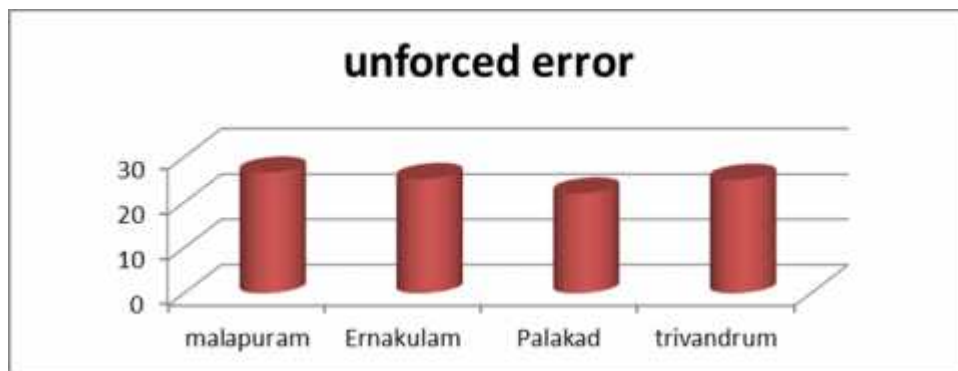




Table V, Co-relation analysis of unforced error and achievement motivation in malappuram district women ball badminton players

TEAM		MEAN	SD	r
MALAPPURAM	ACHIEVEMENT MOTIVATION	161.4000	8.7636	0.825
	UN FORCED ERROR	26.6000	10.9453	

Significant at 0.05 level of confidence, the table value is 0.707

The above table indicates that there is a relationship between the unforced error and achievement motivation of Malapuram ball badminton players, since the calculated 'r' value of ball badminton players, .825 is greater than table 'r' value 0.707 of at 0.05 levels.

Table VI, Co-relation analysis of unforced error and achievement motivation in Ernakulum district women's ball badminton players

TEAM		MEAN	SD	r
ERNAKULAM	ACHIEVEMENT MOTIVATION	150.6000	11.9290	0.6
	UN FORCED ERROR	25.2000	10.8028	

Significant at 0.05 level of confidence, the table value is .707

The above table indicates that there is a no significant difference between the unforced error and achievement motivation of Ernakulum ball badminton players, since the calculated 'r' value of ball badminton players, 0.6 is lesser than table 'r' value 0.707 of at 0.05 level.

Table VII, Co-relation analysis of unforced error and achievement motivation in palakkad district women's ball badminton players

TEAM		MEAN	SD	r
PALAKKAD	ACHIEVEMENT MOTIVATION	164.8750	10.8948	-0.111
	UN FORCED ERROR	22.0000	18.0238	

Significant at 0.05 level of confidence, the table value is .707

The above table indicates that there is a no significant difference between the unforced error and achievement motivation of Palakkad ball badminton players, since the calculated 'r' value of ball badminton players, -0.111 is lesser than table 'r' value 0.707 of at 0.05 level

Table VIII, Co-relation analysis of unforced error and achievement motivation in trivandrum district women's ball badminton players

TEAM		MEAN	SD	r
TRIVANDRUM	ACHIEVEMENT MOTIVATION	149.8333	12.5764	0.131
	UN FORCED ERROR	25.0000	9.6954	

Significant at 0.05 level of confidence, the table value is .707

The above table indicates that there is a no significant difference between the unforced error and achievement motivation of Trivandrum ball badminton players, since the calculated 'r' value of ball badminton players, 0.131 is lesser than table 'r' value 0.9000 of at 0.05 level

Discussion of Findings

The purpose of the study was to find out achievement motivation and unforced error on women ball badminton players. From the statistical analysis it is evident that, in the case of achievement motivation and unforced error on women ball badminton players, there is no significant difference. This result is proved with the research conducted by Bujurke 1993, investigative study on relationship between achievement motivation and performance in track and field events. This result shows that there is no significant difference found among the two variables of unforced error and achievement motivation



Conclusions

The hypothesis is stated in the first chapter that there may be relationship among unforced error and achievement motivation in badminton players of school senior state level tournament. The statistical analysis proved that there was no relationship among unforced error and achievement motivation. So that students are not experienced they need more practice.

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