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Achievement motivation among district, state and national level wrestling players: A comparative examination

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Abstract

The purpose of this study was to examine the difference of Achievement Motivation among District, State and National level Wrestling Players. For the purpose of the present study, thirty-six (N=36), Male subjects volunteered to participate in the study. The subjects were purposively divided into three groups: Group-A: District level Wrestling Players: (N₁=16), Group-B: State level Wrestling Players: (N₂=12) and Group-C: National level Wrestling Players: (N₃=08). The data was gathered using the Kamlesh (1990) Achievement Motivation scale. The Statistical Package for the Social Sciences (SPSS) version 27.0 was used for all analyses. The differences in the mean of each group for selected variable were tested for the significance of difference by One-way Analysis of Variance (ANOVA). For further analysis Post-hoc Test (Scheffe's Test) was applied. For testing the hypotheses, the level of significance was set at 0.05. The findings of the Analysis of Variance (ANOVA) on the Achievement Motivation of wrestlers participating at the District, State and National levels were statistically insignificant at 0.05 level of significance.

Keywords: Achievement motivation, district, state, national, wrestling players

Introduction

Numerous studies have demonstrated the impact of psychological factors on sports performance. However, there is still little research on 'achievement motivation. Achievement motivation cannot be described as something that occurs during competition but mostly as a trait having 'permanent character' [1]. Treated motivation as the base of a pyramid towards success in sports. Achievement Motivation is a Complex area in terms of concept and measurement. The most important motivation for educational psychology is achievement motivation, the generalized tendency to strive for success and to choose goal-oriented success/failure activities [2]. The level of achievement motivation would bring out this self-competition would influence behavior in sociality evaluated situation. Several motivation theories in the academic area have been adopted in the quest for greater understanding of achievement motivation in sport [3]. Achievement Motivation refers to those specific permanent characteristics of a person that motivate him to achieve specificity for doing a task. Sports Achievement Motivation is the name of the new concept related to motivation. Sports Achievement Motivation is personal in nature and its basic goal to achieve [4]. There are much imperative components of mankind personality, motivation is one of them. It gives well shape; it guides to persons activities to be consult as a less or more dynamical personalities [5]. Where there are human beings, there is behavior; and where there is a behavior -whether individual or social-there is bound to be psychology, in one some form. The behavioral effects of motivation are vital to all achievement-oriented tasks, whether the situation is the laboratory, classroom, or playing field [6]. Aiming to comprehend the role of mental processes in both individual and social behaviour, psychologists also investigate the physiological and neurobiological mechanisms behind specific cognitive processes and behaviour [7]. The concept of sports achievement motivation as an essential psychological element in behavioral psychology has gained traction in recent years. Research on the effects of achievement motivation in competitive sports has shown positive outcomes. It is a natural drive that drives an athlete to succeed in the endeavors that are the toughest and the most difficult to achieve [8].

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A current line of research examines the important role played by the coach and its impact on the motivational climate in the team following the framework of achievement goal theory [9]. The Social Cognitive Theory of achievement goal perspectives proposed that athletes are motivated by the need to show their competence and avoid displaying their incompetence [10]. As a consequence, two goal orientations known as ego- or performance-orientated and as task- or mastery-orientated can be differentiated. A task goal orientation determines adaptive motivational, affective, and behavioral patterns that are more positive than an ego goal orientation [11]. Accordingly, the ego or mastery perspective of an athlete at a given time will be determined by the perceived motivational climate, goal orientations, and the environment characteristics [12].

Selection of subjects

For the purpose of the present study, Thirty Six (N=36), Male subjects volunteered to participate in the study. The subjects were purposively divided into three groups:

- Group-A: District level Wrestling Players: (N₁=16)
- Group-B: State level Wrestling Players: (N₂=12)
- Group-C: National level Wrestling Players: (N₃=08)

Selection of tools

Achievement Motivation

Description of the Test

Achievement Motivation Scale by Kamlesh has been found as unitary and psychologically, sociologically and educationally meaningful entities in many researches in various Institution situations and environmental conditions. Achievement Motivation Scale is the complete and exhaustive list of student's motivation, fields and test items depending upon many research worker's personal and social traits and situation tests. By this scale Kamlesh hoped to ensure comprehensive estimation of the whole area of students in achievement motivation. It is mentioned by Kamlesh that the scale furnishes best information about the student's motivation to various aspects of college and general life in terms of their characteristics, behavior and feelings in and about the life. This test is untimed but normally takes fifteen to twenty minutes to complete it. In the present study the English version of the scale was used. For Administrations, instructions for completion, method of scoring, and

definitions of Achievement Motivation, the test manual was strictly followed.

Reliability

The reliability of the scale was determined by Test-retest method. For this purpose, the test was administered to a group of 10 randomly selected female basketball players. The reliability co-efficient was found to be 0.90 and the interval consistency was found to be 0.70 this shows the reliability of the test is very high for college students.

Validity

The co-efficient of validity with other scales is very high which indicates that the scale is valid to measure achievement and motivation of the subjects. Hence the test was used in the present study.

Scoring

The scoring of the filled questionnaires was done according to the instructions mentioned in the test manual for the purpose. One score was awarded to each write answer and zero to the wrong answer as mentioned in the scoring key. To obtain total score for the complete test all the scores for different items were recorded in the specified space provided in the questionnaire of the scale.

Sampling technique

For the purposes of this study, convenience sampling, often referred to as availability sampling, is a particular kind of non-probability sampling technique that depends on gathering data from people of the community who are easily accessible to participate in the study.

Statistical techniques

The Statistical Package for the Social Sciences (SPSS) version 27.0 was used for all analyses. The differences in the mean of each group for selected variable were tested for the significance of difference by One-way Analysis of Variance (ANOVA). For further analysis Post-hoc Test (Scheffe's Test) was applied. For testing the hypotheses, the level of significance was set at 0.05.

Results

Table 1: Frequency table (Value, Frequency & Frequency) of District, State and National level Wrestling Players regarding Achievement Motivation.

District level Wrestling Players			State level Wrestling Players			National level Wrestling Players		
Value	Frequency	%	Value	Frequency	%	Value	Frequency	%
13	1	6.25	14	1	8.33	13	1	12.50
16	6	37.50	15	1	8.33	16	1	12.50
17	2	12.50	16	3	25.00	17	2	25.00
18	2	12.50	17	1	8.33	20	1	12.50
20	1	6.25	18	1	8.33	23	1	12.50
23	2	12.50	20	2	16.67	26	2	25.00
26	2	12.50	23	1	8.33			
			26	2	16.67			

Table 2: Descriptive statistics of District, State and National level Wrestling Players regarding Achievement Motivation.

District level Wrestling Players			State level Wrestling Players	National level Wrestling Players
Minimum	min =	13	14	13
Maximum	max =	26	26	26
Range	R =	13	12	13
Size	n =	16	12	8
Sum	sum =	297	227	158
Mean	\bar{x} =	18.562	18.916	19.75
Median	\tilde{x}	17	17.5	18.5
Standard Deviation	s =	3.898	4.144	4.832
Variance	s ² =	15.195	17.174	23.357
Mid-Range	MR =	19.5	20	19.5
Interquartile Range	IQR =	5.5	5.5	8
Sum of Squares	SS =	227.937	188.916	163.5
Mean Absolute Deviation	MAD =	3.148	3.402	4
Root Mean Square	RMS =	18.942	19.328	20.260
Std Error of Mean	SE \bar{x} =	0.974	1.1963	1.708
Skewness	γ_1 =	0.925	0.797	0.203
Kurtosis	β_2 =	3.506	3.401	3.488
Coefficient of Variation	CV =	0.210	0.2190	0.244
Relative Standard Deviation	RSD =	21.00%	21.907%	24.470%

Table 3: Descriptive table of wrestling players competing at the District, State and National levels regarding Achievement Motivation.

Descriptive						
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
District	16	18.5625	3.89818	.97455	16.4853	20.6397
State	12	18.9167	4.14418	1.19632	16.2836	21.5498
National	8	19.7500	4.83292	1.70870	15.7096	23.7904
Total	36	18.9444	4.09839	.68307	17.5577	20.3311

The Mean and Standard Deviation values for the Achievement Motivation of wrestling players competing at the District, State and National levels are shown in the above

table. They are 18.5625±3.89818, 18.9167±4.14418, and 19.7500±4.83292, respectively.

Table 4: ANOVA results of wrestling players competing at the District, State and National levels regarding Achievement Motivation.

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	7.535	2	3.767	.214	.808
Within Groups	580.354	33	17.586		
Total	587.889	35			

The findings of the Analysis of Variance (ANOVA) on the Achievement Motivation of wrestlers participating at the District, State and National levels are shown in the table

above. At the 0.05 level of significance, the results were statistically insignificant.



Fig 1: Graphical representation of Mean and Standard Deviation with respect to Achievement Motivation of wrestling players competing at the District, State and National levels.

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Conflict of Interest

The authors declare no conflicts of interest.

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