



## Analysis of Psychological Variables of Achievement Motivation and Personality Inventory among University Women Handball Players

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### Abstract

The purpose of this study was to analysis of achievement motivation and personality inventory among Inter University Handball women players. Subjects For this study, sixty Inter University Handball women players from Calicut University, Madras University, Bharathidasan University and Pondicherry University were selected and their age ranged from 18-28 years as per the university norms. The subjects selected from south Zone Inter University Handball women tournament held at Bharathidasan University for the academic year 2013-2014. Achievement motivation and personality inventory were selected as dependent psychological variables. Achievement motivation questionnaire was designed by Kamlesh and The Eysenck Personality Inventory Questionnaire is used by psychologists to gauge the personality traits of an individual. The questionnaire was designed by Mr. and Mrs. Hans J. Eysenck based on the theory that an individual's personality is inherited. Descriptive statistics (Mean & Standard deviation) and analysis of variance ANOVA were used analyze and to find out the significant difference, if any between the (university) group for selected variables. To test the significance the level of confidence was fixed at .05 Data were analyzed using SPSS (statistical package for social science) version 11.5. There was no significant difference was occurred among different universities women Handball players on achievement motivation and personality inventory.

**Keywords:** Achievement Motivation, personality inventory and Handball.

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### Introduction

Psychology is an academic and applied discipline involving the scientific study of mental processes and behavior. Psychology also refers to the application of such knowledge to various spheres of human activity, including relating to individuals' daily lives and the treatment of mental illness (Suresh Kutti 2004). Psychology differs from the other social sciences - anthropology, economics, political science, and sociology - in that psychology seeks to explain the mental processes and behavior of individuals (Kamlesh 1983). Whereas biology and neuroscience study the biological or neural processes and how they relate to the mental effects they subjectively produce, psychology is primarily concerned with the interaction of mental processes and behavior on a systemic level. The subfield of neuropsychological studies the actual neural processes while biological psychology studies the biological bases of behavior and mental states (Thelma 1992).

A major challenge for movement scientists is to recognize that the "motor" behavior they examine in their studies is actually some amalgam of *social-cognitive-affective-motor behavior*. The intertwined

nature of movement, cognition, emotion, and the influence of the social and cultural context in which performance takes place, has become increasingly obvious in recent years. Numerous studies point to various linkages between the motor, social-cognitive, and affective components of behavior (Dawin 1998 & James 1890). Relevant to our focus on human movement, studies have also demonstrated the obverse relationships: the influences of thoughts and emotions on movements. For instance, thoughts about the future or past have observable movement correlates; imagining future events leads to forward sway, while thinking of the past has the opposite effect (Miles et al., 2010).

### Methodology

The purpose of this study was to analysis of achievement motivation and personality inventory among Inter University Handball women players. Subjects For this study, sixty Inter University Handball women players from Calicut University, Madras University, Bharathidasan University and Pondicherry University were selected and their age ranged from 18-28 years as per the university norms. The subjects selected from south Zone Inter University Handball women tournament held at Bharathidasan University for the academic year 2013-2014. Achievement motivation and personality inventory were selected as dependent psychological variables. Achievement motivation

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questionnaire was designed by Kamlesh and The Eysenck Personality Inventory Questionnaire is used by psychologists to gauge the personality traits of an individual. The questionnaire was designed by Mr. and Mrs. Hans J. Eysenck based on the theory that an individual’s personality is inherited. Descriptive statistics (Mean& Standard deviation) and analysis of variance ANOVA were used analyze and to find out the significant difference, if any between the (university) group for selected variables. To test the significance the level of confidence was fixed at .05 Data were analyzed using SPSS (statistical package for social science) version 11.5. There was no significant difference was occurred among different universities women Handball

players on achievement motivation and personality inventory.

**Statistical Analysis**

The data was collected from three groups at prior to and after completion of the training period on selected criterion variables, were statistically examined for significant difference if any, by applying analysis of variance (ANOVA). The Scheffe’s post hoc test was applied to know the significant difference between groups, if they obtained ‘F’ ratio was significant. In all cases .05 level of confidence was utilized to test the significance.

**Result of the Study**

**Table I.**

University	Sports Achievement Motivation	Personality Inventory
Calicut university	26.28±2.05	49.21±3.23
Madras university	25.00±5.06	48.92±2.94
Bharathidasan university	26.42±2.62	47.71±2.94
Pondicherry university	25.46±3.91	48.92±3.02

**Table II.**

Table value at .05 level with df (3, 52) is 8.57

Variables	SOV(Universities)	Sum of Squares	df	Mean Square	F	Sig.
Sports Achievement Motivation	Between Groups	49.929	3	16.643	1.090	.362
	Within Groups	794.000	52	15.269		
	Total	843.929	55			
Personality Inventory	Between Groups	18.768	3	6.256	.676	.571
	Within Groups	481.071	52	9.251		
	Total	499.839	55			

Table I and II shows the descriptive statistics achievement motivation and personality inventory measurements of inter university level women Handball players. Results of the ANOVA revealed that there was no significant difference between the university level Handball players on achievement motivation and personality inventory.

- There was no significant difference was occurred among different universities women Handball players on achievement motivation.
- There was no significant difference was occurred among different universities women Handball players on personality inventory.

**Conclusion**

From the analysis of data the following conclusions was drawn

**Implication**

Hence it would be recommended that players will be selected by considering the psychological variables apart from their physical, skill and fitness

components.

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