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Ranjana Prasad

Ph.D. Scholar, Visva-Bharti
University, Santiniketan,
West Bengal, India

Dr. Mahesh Sawata Khetmalis

Khetmalis (Ph.D.) Associate
Professor, Department of
Physical Education & Sport
Science, Visva-Bharti
University, Santiniketan,
West Bengal, India

Relationship between football skill test with YO – YO intermittent recovery test

Ranjana Prasad and Dr. Mahesh Sawata Khetmalis

Abstract

For this study Purposive Random Sampling technique was applied to extract 50 (Fifty) male players of Football who have participated varsity from East and North Zone were selected as a subject. To find out relationship between YO-YO Intermittent Recovery Test and Football skill test of the varsity players “Pearsons’s correlation” was employed at 0.05 level of significance and SPSS software was used for statistical calculations and the findings reveals that There is significant negative relationship between Football skill test and Yo-Yo Intermittent Recovery Test in Pre-Testing because the calculated significant value is much lesser then the level of significance 0.05 $r(48) = -.294, p=.038$.

Keywords: football, Yo – Yo intermittent recovery test etc

Introduction

Games and sports training are no longer a fiction, and they do not require a casual approach, but they do present opportunity for scientific methods and verification. Training is now recognized as a highly specialized science that employs scientific methodologies and physical study.

Physical fitness is crucial for learning and developing skills in team sports such as hockey, soccer, basketball, and volleyball. Speed, strength, agility, flexibility, endurance, and neuromuscular coordination are all important, therefore players who are physically fitter are more likely to master the talent. Individual activities such as gymnastics place a premium on strength and flexibility. No gymnastic activity can be properly performed without these two. In the high jump and long jump, it's the same. The athlete must strengthen his leg muscles if he is to achieve excellent results. Doncash Seasonetal, 1956

Due to its specificity and simplicity, yo-yo tests have quickly become one of the most widely investigated shuttle run tests in sports science. These tests have also been used to evaluate players' ability to perform high-intensity exercise on a regular basis. Yo-Yo tests are believed to be one of the most effective field-based techniques of testing player's physical fitness performance in numerous team sports such as soccer, basketball, cricket, and rugby. The main purpose of this study is to find out the relationship between Football Skill test and the Yo – Yo Intermittent Recovery Test.

Delimitations

1. The study was confined to 50 (fifty) male players of Football those who have participated in Varsity tournament.
2. The study will further be delimited to specific Yo - Yo Intermittent Recovery Test.
3. The study will further be delimited to McDonald Soccer Skill Test
4. The study will further be delimited to specific standardized test of Football.
5. The study will be further be delimited to players from East and North Zone varsity level.

Limitation

No psychological techniques will be employed by the research scholar to enable the subjects to put up their best performance. However, the subjects were told to give their best output.

Corresponding Author:

Ranjana Prasad

Ph.D. Scholar, Visva-Bharti
University, Santiniketan,
West Bengal, India

Hypothesis

It is hypothesized that Yo - Yo Intermittent Recovery Test will have significant relationship with Football skill test of varsity players.

Methods and Procedure

Selection of Subjects

With the help of Purposive Random Sampling technique 50 (Fifty) male players of Football who have participated varsity from East and North Zone were selected as a subject.

Statistical Technique

To find out relationship between YO-YO Intermittent

Recovery Test and Football skill test of the varsity players “Pearson’s correlation” was employed at 0.05 level of significance and SPSS software was used for statistical calculations.

Results and Findings

Table 1: Descriptive Statistics of Football Skill Test and Yo-Yo Intermittent Recovery Test

	Mean	Standard Deviation	N
Football – (Pre- Testing)	16.4800	1.61927	50
Yo-Yo Test – (Pre-Testing)	1294.4000	738.79151	50

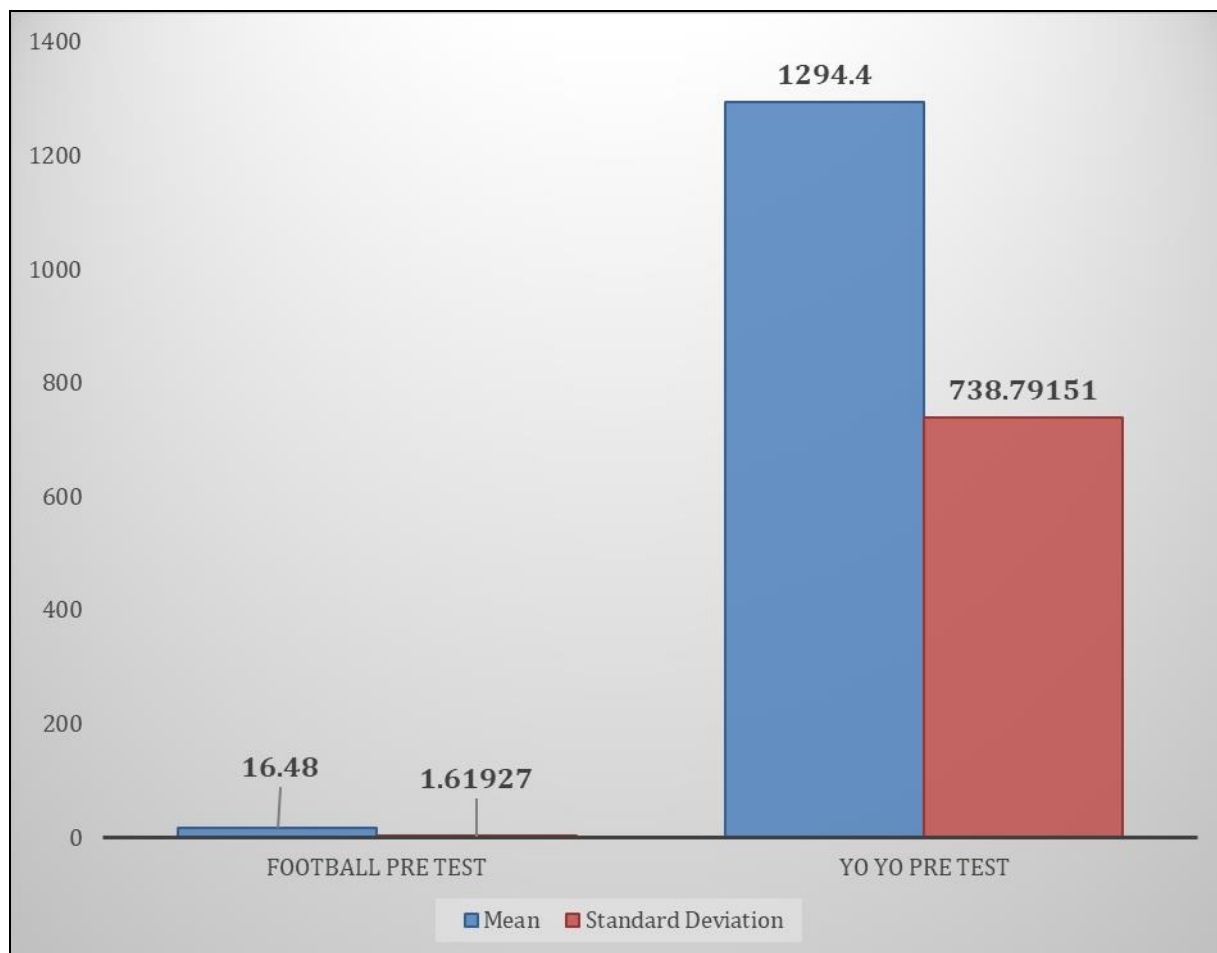


Fig 1: Graphical Representation of Descriptive Statistics of Football Skill Test and Yo-Yo Intermittent Recovery Test

Table 2: Relationship of Football Skill Test and Yo-Yo Intermittent Recovery Test

		Football Pre – Testing	Yo-Yo Pre - Testing
Football Pre – Testing	Pearson Correlation	1	.294*
	Sig. (2-tailed)		.038
	N	50	50
Yo-Yo Pre - Testing	Pearson Correlation	.294*	1
	Sig. (2-tailed)	.038	
	N	50	50

*Level of Significance – 0.05

*Degree of Freedom – 48

The above table no.1 shows the descriptive statistics which includes Football Pre – testing Mean score is - 16.4800 and Standard Deviation score is 1.61927, whereas Yo-Yo Test – Pre-Testing Mean value is - 1294.4000 and Standard Deviation value is - 738.79151

As a results the hypothesis which was stated for this study was also accepted because there is significant negative

relationship between Football skill test and Yo-Yo Intermittent Recovery Test in Pre-Testing because the calculated significant value is much lesser then the level of significance 0.05 $r(48) = -.294, p=.038$

Reference

1. Bangsbo J, Iaia FM, Krusturup P. The Yo-Yo intermittent

- recovery test: a useful tool for evaluation of physical performance in intermittent sports. *Sports Med.* 2008;38(1):37-51.
2. Bradley PS, Mohr M, Bendiksen M *et al.* Sub-maximal and maximal Yo-Yo intermittent endurance test level 2: heart rate response, reproducibility and application to elite soccer. *Eur J Appl Physiol.* 2011;111(6):969-78.
 3. Krstrup P, Mohr M, Amstrup T *et al.* The Yo-Yo intermittent recovery test: physiological response, reliability, and validity. *Med Sci Sports Exerc.* 2003;35(4):697-705.
 4. Krstrup P, Mohr M, Nybo L, *et al.* The Yo-Yo IR2 test: physiological response, reliability, and application to elite soccer. *Med Sci Sports Exerc* 2006;38(9):1666-73.
 5. Thomas A, Dawson B, Goodman C. The yo-yo test: reliability and association with a 20-m shuttle run and VO(2max). *Int J Sports Physiol Perform.* 2006;1(2):137-49.
 6. Atkinson G, Nevill AM. Statistical methods for assessing measurement error (reliability) in variables relevant to sports medicine. *Sports Med* 1998;26(4):217-38.
 7. Yanci J, Granados C, Otero M, *et al.* Sprint, agility, strength and endurance capacity in wheelchair basketball players. *Biol Sport* 2015;32(1):71-8.
 8. Moher D, Liberati A, Tetzlaff J, *et al.* Preferred reporting items for systematic reviews and meta-analyses: the PRISMA statement. *Ann Intern Med* 2009;151(4):264-9.