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## Comparison of intelligence among school soccer players representing different regions

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### Abstract

The purpose of this study is to compare intelligence among soccer players on the basis of different regions. The Verbal Intelligence test of R.K. Ojha was used for measuring intelligence of subjects. There are five different regions Indore, Jabalpur, Bhopal, Gwalior, and Ujjain For this study 500 male soccer players were randomly selected. The result of the study reveals that there is no significant difference on verbal intelligence of soccer players playing in different positions. This study is done for the same.

**Keywords:** Soccer players, football game

### Introduction

Football is the world's most popular ball game in numbers of participants and spectators. Football's governing body, the Federation International de Football Association (FIFA), estimated that at the turn of the 21<sup>st</sup> century there were approximately 250 million football players and over 1.3 billion people "interested" in football.

Intelligence is an obvious factor in any learning and hence the physical education teacher should understand the concept of intelligence and its impact on performance. It is better for to measure the intelligence level of his students and present them meaningful physical tasks.

**Procedure:** The groups of subjects were asked to assemble in a class room of their school and the purpose and significance of the study was explained to them to get their whole hearted cooperation.

For this study 500 male school soccer team players from the Madhya Pradesh C.B.S.E. Schools were randomly selected who have been feeding their teams in the recognized tournaments for last three years.

**Aim:** Aim of the study is to compare intelligence of among soccer players on the basis of different region.

**Hypotheses:** There will be significant difference on verbal intelligence of soccer players representing different regions.

### Selection of Variables

**Intelligence:** The Verbal Intelligence Test of R.K. Ojha was used which consist eight different parts for measuring intelligence of subjects. The verbal Intelligence Test is a brief but standard as well as an easily administered test to analyze the mental level of subjects in the Indian conditions. Obtained scores were measured through the given booklet.

**Instruction:** Do not start the work before the instruction is given. If you find a particular question or instruction difficult, do not waste time over it rather attempt the next one. You are supposed to perform each test within the specified time duration. Even if the work is over before the time do not switch on to the next one. When subjects are told to start next works leave the previous one and start at once as per the instruction. Remember that subjects are not supposed to ask answer of a question to anyone else. This test can be used as a group, for the players of the age from 13-20 years.

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Although certain time limit is enforced in every part of the questionnaires. The questionnaires consisting of 8 parts can be answered by underline the appropriate option or by putting a tick mark in the box/bracket given. For completion of this test maximum 40 minutes was given for every individual group.

### Statistical Technique

To compare the significance of the differences between the group means in intelligence for the C.B.S.E. higher secondary school soccer players on the basis of different region, the ONE WAY analysis of variance (F-ratio) is used. The significant was set at 0.05 level of confident.

### Analysis of data and results of the study

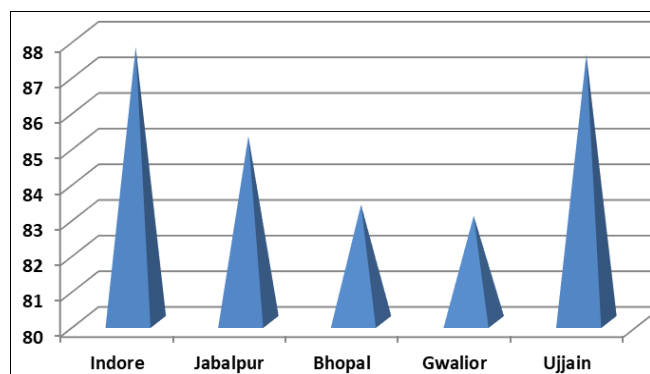
**Table 1:** One way anovacomparison of VIT among soccer players representing different regions

City	N	Mean	S.D.	S.E. OF Mean
Indore	116	87.71	9.77	0.90
Jabalpur	96	85.21	10.70	1.09
Bhopal	96	83.29	11.82	1.20
Gwalior	96	82.98	14.78	1.50
Ujjain	96	87.51	9.65	0.98

#### Anova Summary

Source	D.F	Sum of Squares	Mean Squares	F Ratio
Between Group	4	2036.369		
Within Groups	495	64794.831	509.092	3.88
Total	499	66831.200	130.899	

### Significant Difference



**Fig 1:** Comparison of VIT among soccer players representing different regions

**Results and Conclusion:** The results of the study reveal that there is significant difference in verbal intelligence of soccer players representing different region. Thus hypothesis is accepted but more in Indore region and low in Gwalior region.

### Recommendations for further research

This type of study may be conducted on players of different games and sports.

This type of study may be conducted on college going male and female players.

This type of study may be conducted on somatotyping and different environmental conditions.

This type of study may be conducted on tribal and non tribal players.

This type of study may be conducted on rural and urban players.

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