



Research article

A RELATIVE STUDY ON INTELLIGENCE DIFFERENCE BETWEEN PHYSICAL EDUCATION AND EDUCATION VARSITY WOMEN STUDENTS

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Abstract

Human Knowledge alludes to an arrangement of intellectual capacities, for example, considering, recollecting, pursuing, learning, critical thinking and utilizing dialect. Be that as it may, human Insight depends not just one the reason, yet in addition many factors resemble Hereditary qualities, Condition, Conveyance mode, parental instruction and furthermore. The reason for the present examination is to discover the distinction in IQ the level between Physical Education and Education Students. The investigator selected total 100 (50 PE Women Students & 50 Education Women Students) BPED and B.Ed students of Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore. To find out the difference on IQ between Physical Education and Education Students 'G.C. Ahuja Intelligence questionnaire'. Were used. This questionnaire composed of total 135 question and eight different types of test (classification, analogies, reasoning, vocabulary, comprehension, series and best answer). The collected data were calculated by using descriptive statistics and "t" test and the level of significance was set on 0.05 level. There were a significance difference exist on IQ level between Physical Education and Education Students because calculated "t" value (5.91) is higher than tab "t" 0.05(180) value(1.960). The Mean and Standard deviation of Physical Education students and Education students IQ level has been found 95.94 ± 23.31 and 77.64 ± 18.21 . The finding demonstrated that Physical Education Women possess higher IQ level than Education Students.

Keywords: Intelligence, Physical Education, Education.

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INTRODUCTION

Human insight alludes to an arrangement of subjective capacities, for example, considering, recalling, pursuing, learning, critical thinking and utilizing dialect. The high hereditary heterogeneity of insight represents a tremendous test for understanding atomic instruments for insight. Knowledge remainder (IQ) is the most broadly utilized phenotype for describing human insight in psychometric examinations. It isn't astonishing that the IQ score is reliably related to the various mental issue, for example, schizophrenia, extreme introverts, discouragement, and tension. In spite of the fact that the hereditary the study of disease transmission of the connection between IQ score and the danger of the related mental issue turns out to be progressively clear with different lines of studies, there are no significant accomplishments to add to understanding the sub-atomic systems basic human knowledge and significant mental issue. IQ scores have been appeared to be related with so many factors as bleakness and mortality, parental economic wellbeing, and, to a considerable degree, parental IQ. While the heritability of IQ has been examined for almost a century, contention remains with respect to the essentialness of Heritability gauges and the components of legacy are as yet a matter of some discussion. IQ scores are utilized in numerous specific circumstances: as indicators of instructive accomplishment or uncommon needs, by social researchers who ponder the appropriation of IQ scores in populaces and the connections between IQ score and different factors, and as indicators of employment execution and

salary. Natural variables assume a part in deciding IQ. Legitimate youth nourishment shows up basic for psychological improvement; lack of healthy sustenance can bring down IQ. For instance, iodine lack causes a fall, in normal, of 12 IQ focuses. It is normal that the normal IQ in underdeveloped nations will increment drastically if the lacks of iodine and different micronutrients are destroyed. Melodic preparing in adolescence may likewise build IQ. Ongoing investigations have demonstrated that preparation in utilizing one's working memory may build IQ. Youngsters Insight relies upon numerous variables, similar to hereditary qualities, parental training, the control of the guardians, condition and so on.

METHODS AND MATERIALS

In order to find out the difference in IQ level between 100 (50 PE Women Students & 50 Education Women Students) BPEd and B.Ed students of Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore were chosen as samples. To find out the difference on IQ between Physical Education and Education students 'G.C. Ahuja Intelligence questionnaire' was used. This questionnaire composed of total 135 question and eight different types of test (classification, analogies, reasoning, vocabulary, comprehension, series and best answer). For each sub-test, one page is devoted to instructions and practice examples. It effectively builds resolve with the subjects. It empowers them to create certainty and henceforth, they get balanced with the idea of work.

TABLE - I
NUMBER OF ITEMS AND TIME-POINTS OF CONFINEMENT FOR
EACH SUB-TEST

S.No	Sub Tests	No of Items	Time Limit
1	Following Direction	9	4 min
2	Classification	20	4 min
3	Analogies	20	4 min
4	Arithmetic Reasoning	6	4 min
5	Vocabulary	40	4 min
6	Comprehension	8	4 min
7	Series	12	4 min
8	Best Answers	20	4 min
Total		135	32min

Scoring Procedure:

Scoring of reaction sheets was finished by the investigator herself as indicated by the scoring keys given in the manuals of four tests. A concise depiction of the scoring methodology for each

Test is given beneath:

The scoring of response sheet for Ahuja's group test of intelligence was done with the help of scoring stencil keys. The relevant stencil key was put on each page of the answer sheet. It was so adjusted that the page number was visible through the holes of the scoring stencil. Then the correctly marked answers visible through the holes were counted and written on the left margin of the answer sheet. The same procedure was followed for all the sub-tests except for Best answer. In that case, the correct answers were affirmative that correspond with the numbers given on the stencil key. The inquiry numbers that

were addressed wrong or were left unattempted were set apart with a red shaded pencil. The two wrongs and additionally the un-endeavored questions were deducted from the aggregate number of things contained in the sub-test VII and the adjust score was acquired. At that point, the scores from the diverse pages of were composed in the table given at the highest point of the first page of the appropriate response sheet. The entirety of all the eight subtests was considered as the aggregate score acquired by a subject, which was considered as his general mental capacity score. To discover the distinction in mental capacity level between Physical Education and Education Students, the gathering information were ascertained by utilizing spellbinding insights and "t" test and level of significance was determined to 0.05 level.

ANALYSIS OF DATA

To find out the difference in mental ability level between Physical Education and Education Students,

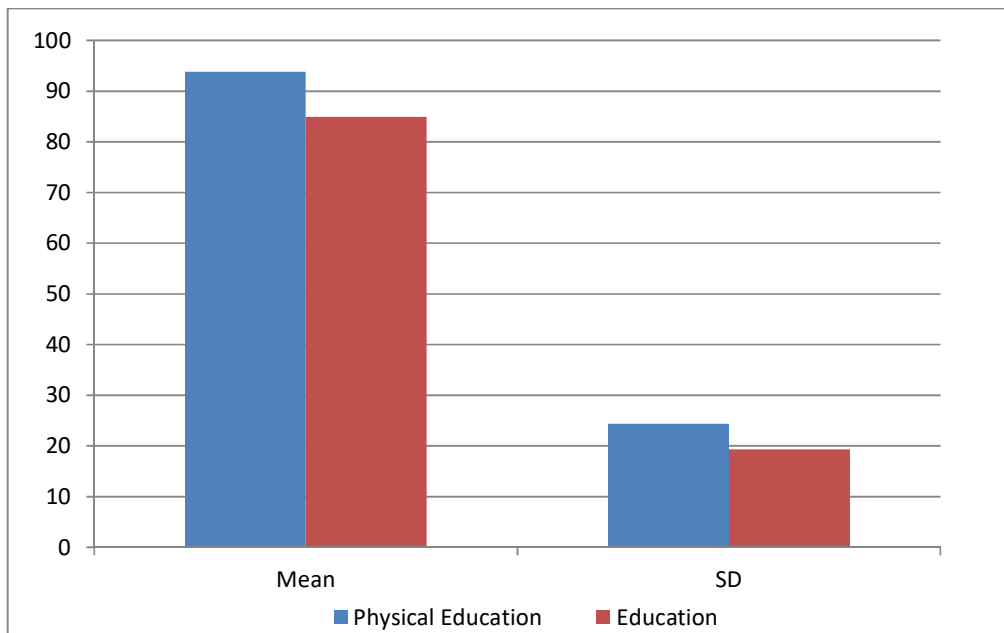
descriptive statistics and “t” test were applied at 0.05 level of significance and it is presented in table II.

TABLE II
SIGNIFICANCE DIFFERENCES OF MEAN, STANDARD DEVIATION AND ‘t’ RATIO ON IQ BETWEEN PHYSICAL EDUCATION AND EDUCATION STUDENTS

Group	Mean	SD	t.ratio
Physical Education	93.84	24.41	5.90*
Education	84.94	19.31	

Table value-t0.05 (180) =1.960*=Significance

FIGURE - 1
GRAPHICAL REPRESENTATION OF MEAN AND STD-DEVIATION ON IQ BETWEEN PHYSICAL EDUCATION AND EDUCATION VARSITY STUDENTS



FINDINGS

It is evident from Table-2 that the mean and standard deviation and t-ratio of Physical Education has been found 93.84 ± 24.41 and Education has been found 84.94 ± 19.31 . Table -2 clearly revealed that, there were significant difference exist on IQ between Physical Education students and Education students as because “t” value (5.91) is higher than Tab-“t” 0.05(180) value (1.960). From the above discoveries the investigator need to quality that the presence of hugeness distinction might be because of the reason that person involved in sports have normal preferred standpoint, except Vocabulary and Comprehension the PE students’ performance was best while comparing with Education students.

RESULTS AND DISCUSSION

Inside the constraint of the present examination the accompanying Conclusions were drawn based on acquiring results. The researcher is enormously fulfilled to specify that the discoveries have achieved the reason for which the investigation was at first conceptualized. An examination distributed on September, 2006 issue of the diary Knowledge broke down 145 things from the Academic Appraisal test in 100000, 17 to 18 years-olds furthermore, found a male IQ preferred standpoint of 3.63 indicates In an

investigation think about the IQ amongst Kid's and Young lady's from Vancouver Slope Primary school 2015. In this investigation found that mean distinction between the IQ of a seven review young men of the school is more prominent than the mean IQ of seventh-grade young ladies at the school. Irwing and Lynn (2005) distributed a meta-investigation of 22 investigations of sex contrasts on the Dynamic Frameworks in college understudies and inferred that in these example guys have leeway of 4.6 IQ focuses. In a later report, Mackintosh and Bennett (2005) revealed information for an example of 17 years old on the Dynamic Networks in which guys got a higher mean of 6.4 focuses. The present study shows the similar result which the other researcher had discussed.

CONCLUSIONS

Within the limitation of the present study the following conclusions were drawn on the basis of obtained difference exist on IQ level of Physical Education and Education students and in comparison of mean and standard deviation of IQ level. The finding demonstrated that varsity Physical Education students possess higher IQ level than varsity Education students. In Vocabulary and Comprehension the Education students’ performance was better than Physical Education students.

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