

A Study of Relationship of Blood Group and Academic Achievement of Senior College Students

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Abstract: This study was undertaken to investigate the relation of blood group with academic achievement. A sample of 100 students from senior college was selected and students were administered with a self made questionnaire to elicit information related with blood group and academic achievement. The findings showed that O+and B+ (Positive) blood group is having high level of academic achievement, whereas A+ and AB+ are having an average level of Academic achievement.

Key Words: Blood group, Academic achievement, senior college students

INTRODUCTION

Academic performance is one of important tools for predicting a student's intelligence, knowledge and is a tool for grading superior and intellectual capacities in scholastic activities. In the modern era, everyone is competing with each other for achieving better food, shelter and life; and reputed hospitals, banks, universities, corporate business houses recruit their students and employees on the basis of their academic performance i.e. percentage or marks obtained in schools, colleges and universities. The encoding knowledge, learning style, attitude and aptitude are different in different persons and it may be the reason that some students excel academically while others are under-achievers. It has also been recognized that intelligence and knowledge are influenced by genetics. Universally, in schools, colleges, universities, methods of assessing intelligence and knowledge are through taking exams or tests and academic achievement plays an important role in keeping scientific innovation up to date and conscientious in task and goal oriented and this is key mediator for future success. It has been established that personal character influences academic performance. (Mahat1, 2019).This study is an attempt to see the relationship between blood group and academic achievement in

which students with four types of blood group have been selected and their academic performance was studied..

There are eight blood types included in the ABO and Rh blood group systems: A positive (A+), A negative (A-), B positive (B+), B negative (B-), AB positive (AB+), AB negative (AB-), O positive (O+), O negative (O-).The most common blood type in the United States is O positive (O+).The least common blood type in the U.S. is AB negative (AB-).

Many studies reveal that there is some correlation between Blood group and intelligence, which ultimately helps to uplift academic achievement, hence this study was undertaken to investigate the relationship of blood group and academic achievement.

OBJECTIVE

- 1) To study the Academic achievement of senior college students having A+(positive) Blood group.
- 2) To study the Academic achievement of senior college student having B+(positive) Blood group
- 3) To study the academic achievement of senior College students having O+ Positive blood group.
- 4) To study the Academic achievement of senior college student having AB+(positive) Blood group

Hypotheses

- 1) The Academic achievement of senior college students having A+ (Positive) Blood Group is high.
- 2) The Academic achievement of senior college students having B+ (Positive) Blood Group is high.

- 3) The Academic achievement of senior college students having O+ (Positive) Blood Group is high
- 4) The Academic achievement of senior college students having AB+ (Positive) Blood Group is high.

Methodology: Survey method was used for this particular study, a questionnaire was prepared to elicit the information related with Blood Group and academic achievement of the senior college students. Randomly a sample of 100 students was selected for this study and a questionnaire was administered to students for collecting data.

Out of 100 students 26 students were A+ blood group,36 students were having B+ group ,30 students were having O+ group and 8 students were having AB group

Sampling technique: Simple Random Sampling technique was used for collection of data.

Sample -100 Students from B.Ed. College was selected as a sample for the study.

Tool-Self-made questionnaire to elicit the blood group and academic achievement of students from class X till PG.

Variables:

Independent variable-Academic achievement

Dependent variable-Blood group

Norm table for academic achievement

Sr.No.	Range of percentage	Interpretation
1	1-33.3	Poor
2.	33.4-66.9	Average
3.	70 and above	High

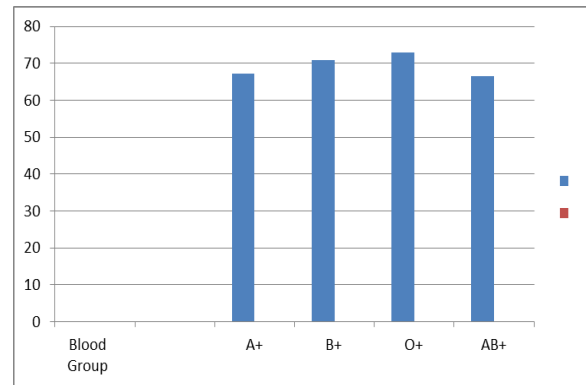
Discussion of result:

Table showing Blood group and academic achievement

Sr. No	Total (N)	Blood Group	Academic achievement	Interpretation
1	100	A+	67.3	Average
2		B+	70.93	High
3		O+	72.86	High
4		AB+	66.50	Average

The mean value of academic achievement of students having A+ Positive Group is 67.3, which indicates average level of Academic achievement. The mean

value of academic achievement of students having B+ Positive Group is 70.93, which indicates High level of Academic achievement. The mean value of academic achievement of students having O+ Positive Group is 72.86, which indicates a high level of Academic achievement. The mean value of academic achievement of students having AB+ Positive Group is 66.50, which indicates average level of Academic achievement.



Discussion of result:

Hypothesis no.01

- 1) The Academic achievement of senior college students having A+ (Positive) Blood Group is high.

Hypothesis no.01 is rejected, as the mean value of academic achievement is 67.3, which falls in the Average category, so we can interpret that academic achievement of A+ (positive) group is Average.

Hypothesis no.02

- 2) The Academic achievement of senior college students having B+ (Positive) Blood Group is high.

Hypothesis no.02 is accepted, as the mean value of academic achievement is 70.93, which falls in the High category, so we can interpret that academic achievement of B+ (positive) group is high.

Hypothesis no.03

- 3) The Academic achievement of senior college students having O+ (Positive) Blood Group is high.

Hypothesis no.03 is accepted, as the mean value of academic achievement is 72.86, which falls in the High category, so we can interpret that academic achievement of O+ (positive) group is high.

Hypothesis no.04

- 4) The Academic achievement of senior college students having AB+ (Positive) Blood Group is high.

Hypothesis no.04 is rejected, as the mean value of academic achievement is 66.50, which falls in the Average category, so we can interpret that academic achievement of B+ (positive) group is Average.

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