

Establishing Relationship between Blood Groups and IQ in Population of Some Areas of Rural and Urban Punjab, India

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Abstract: It has been established through various studies that there is a relationship between inheritance of blood groups and Intelligence Quotient in individuals. In this study survey was done of 263 people of Rural Punjab (including males and females) and 367 people of Urban Punjab (including males and females). All the individuals were made to solve a “ Standard Progressive Matrices” by Raven et. al. According to the score they were categorized. It was found that in rural area , males with blood group O show high IQ level. These are intellectually superior. The average and below average individuals are found to be having predominantly blood group B and females of rural areas with high IQ are found to be having blood group O. The females with average IQ are found to be having blood group B. In urban areas , males with high, average and below average IQ are found to be having blood group O followed by blood group B. Whereas, females of urban area with high and low IQ level are found to be having blood group B.

Keywords: Standard Progressive Matrices, blood groups, intelligence quotient.

I. INTRODUCTION

A very general mental capability that, among other things, involves the ability to reason, plan, solve problems, think abstractly, comprehend complex ideas, learn quickly and learn from experience. It is not merely book learning, a narrow academic skill, or test-taking smarts. Rather, it reflects a broader and deeper capability for comprehending our surroundings—"catching on," "making sense" of things, or "figuring out" what to do. Individuals differ from one another in their ability to understand complex ideas, to adapt effectively to the environment, to learn from experience, to engage in various forms of reasoning, to overcome obstacles by taking thought. Although these individual differences can be substantial, they are never entirely consistent: a given person's intellectual performance will vary on different occasions, in different domains, as judged by different criteria. Concepts of "intelligence" are attempts to clarify and organize this complex set of phenomena. Although considerable clarity has been achieved in some areas, no such conceptualization has yet answered all the important questions, and none commands universal assent.

Does Intelligence Have A Relationship With Blood Group Of A Person?

- 1) What is the relationship of blood groups with intelligence level?
 - a) Relation of blood type A with intelligence level?
 - b) Relation of blood type B with intelligence level?
 - c) Relation of blood type AB with intelligence level?
 - d) Relation of blood type O with intelligence level?

II. METHODOLOGY

A.) Rural Area: The rural area I (regions of Tehsil Kharar) and rural area II (regions of Dera Bassi), Punjab, India were surveyed. Our research included the people of all age groups varying from 13-55 years. The study included sample size of RURAL I (101) and RURAL II (162). The total number of people surveyed were 263 . The table given below shows the distribution of blood groups in the individuals surveyed.

Area	Male	Female	Blood group				Total
			A	B	O	AB	
Rural area I	34	67	22	35	30	14	101
Rural area II	97	65	35	66	39	26	162

B.) Urban Area: The urban area I (regions of Tehsil Kharar) and urban area II (regions of Fatehgarh Sahib), Punjab, India were surveyed. Our research included the people of all age groups. The study includes URBAN I (231) and URBAN II (136). The total number of people surveyed was 367. The table given below shows the distribution of blood groups in the individuals surveyed.

AREA	MALE	FEMALE	BLOOD GROUPS				TOTAL
			A	B	O	AB	
URBAN I	107	124	49	51	113	18	231
			21	60	40	15	
URBAN II	39	97	21	60	40	15	136

All the people were made to solve a “standard progressive matrices” question booklet and as per the score secured the individuals were graded from “INTELLECTUALLY BRILLIANT” TO “INTELLECTUALLY DEFINITELY”.

Table 1:- Shows the Result Of The Subject Of Spm

SCORE	PERCENTILE
55 & ABOVE	
50-54	90 th
45-49	75 th
38-44	50 th
29-37	25 th
24-28	10 th
23 & BELOW	5 th

PERCENTILE	GRADE	DESCRIPTION OF GRADE
At or Above 95 th	I	INTELLECTUALLY BRILLIANT
At 90 th	II+	INTELLECTUALLY SUPERIOR
At 75 th	II	DEFINITELY ABOVE AVERAGE
At 50 th	III+	INTELLECTUALLY AVERAGE +ve
At 25 th	III-	INTELLECTUALLY AVERAGE -ve
At 10 th	IV	DEFINITELY BELOW AVERAGE
At 5 th	V	INTELLECTUALLY DEFINITELY

III. RESULTS

A.) Rural Area I

Grade I Intellectually Brilliant

BLOOD GROUP	MALE	FEMALE
A +ve	-	-
B+ve	1	-
AB+ve	-	-
O+ve	3	1

Grade II+ Intellectually Superior

BLOOD GROUP	MALE	FEMALE
A+ve	-	-
B+ve	4	1
AB+ve	-	-
O+ve	1	3

Grade II Definitely Above Average

BLOOD GROUP	MALE	FEMALE
A +ve	-	1
B +ve	-	3
AB +ve	1	2
AB -ve	1	-
O +ve	-	6

Grade III+ Intellectually Average

BLOOD GROUP	MALE	FEMALE
A +ve	-	2
B +ve	6	4
B -ve	-	1
AB +ve	3	1
O +ve	2	6
O -ve	-	1

Grade III- Intellectually Average

BLOOD GROUP	MALE	FEMALE
A +ve	2	3
A -ve	-	-
B +ve	1	6
B -ve	-	-
AB +ve	-	4
O +ve	1	2
O -ve	-	-

Grade IV - Definitely Below Average

BLOOD GROUP	MALE	FEMALE
A +ve	1	3
A -ve	-	-
B +ve	-	1
AB +ve	-	-
AB -ve	-	-
O +ve	-	-

Grade V – Intellectually Definitely

BLOOD GROUP	MALE	FEMALE
A +ve	2	6
B +ve	1	6
B -ve	-	-
AB +ve	-	2
O +ve	1	2

B.) RURAL AREA II

Grade I Intellectually Brilliant

BLOOD GROUP	MALE	FEMALE
A +ve	1	-
AB +ve	1	-

Grade II+ Intellectually Superior

BLOOD GROUP	MALE	FEMALE
B +ve	2	1
O +ve	1	1

Grade II Definitely Above Average

BLOOD GROUP	MALE	FEMALE
A +ve	2	2
B +ve	-	1
AB +ve	1	-
O +ve	2	1
O -ve	1	-

Grade III+ Intellectually Average

BLOOD GROUP	MALE	FEMALE
A +ve	7	4
B +ve	7	3
AB +ve	3	2
O +ve	3	3
O -ve	3	1

Grade III- Intellectually Average

BLOOD GROUP	MALE	FEMALE
A +ve	7	2
A -ve	-	3
B +ve	9	4
B -ve	2	1
AB +ve	4	-
O +ve	9	6
O -ve	2	1

Grade IV Definitely Below Average

BLOOD GROUP	MALE	FEMALE
A +ve	-	1
A -ve	-	1
B +ve	10	5
AB +ve	1	1
AB -ve	-	2
O +ve	2	3

Grade V Intellectually Definitely

BLOOD GROUP	MALE	FEMALE
A +ve	-	5
B +ve	11	9
B -ve	-	1
AB +ve	3	-
AB -ve	3	1

C.) Urban Area I

Grade I Intellectually Brilliant

BLOOD GROUP	MALE	FEMALE
A +ve	4	6
A -ve	-	3
B +ve	9	8
B -ve	-	3
AB +ve	-	3
O +ve	9	15
O -ve	5	5

Grade II+ Intellectually Superior

BLOOD GROUP	MALE	FEMALE
A +ve	-	4
B +ve	4	-
B -ve	1	-
AB +ve	-	1
AB -ve	-	-
O +ve	4	1
O -ve	-	-

Grade II Definitely Above Average

BLOOD GROUP	MALE	FEMALE
A +ve	4	6
B +ve	-	1
AB +ve	2	-
AB -ve	-	-
O +ve	5	3
O -ve	2	2

Grade III+ Intellectually Average

BLOOD GROUP	MALE	FEMALE
A +ve	1	2
B +ve	4	3
B-ve	-	-
AB +ve	1	2
O +ve	3	5
O -ve	1	1

Grade III- Intellectually Average

BLOOD GROUP	MALE	FEMALE
A +ve	4	6
A -ve	-	-
B +ve	3	3
B -ve	3	1
AB +ve	1	3
AB-ve	1	-
O +ve	8	8
O -ve	1	3

Grade IV Definitely Below Average

BLOOD GROUP	MALE	FEMALE
A +ve	2	2
A -ve	-	-
B +ve	1	1
B-ve		1
AB +ve	-	1
AB -ve	1	-
O +ve	5	3
O-ve	1	2

Grade V Intellectually Definitely

BLOOD GROUP	MALE	FEMALE
A +ve	1	2
A-ve		2
B +ve	1	3
B -ve	-	1
AB +ve	-	1
AB-ve	1	1
O+ve	7	4
O-ve	6	3

D.) Urban Area II

Grade I Intellectually Brilliant

BLOOD GROUP	MALE	FEMALE
A +ve	1	1
B+ve	2	6
AB+ve	1	-
O+ve	-	3

Grade Ii Intellectually Superior

BLOOD GROUP	MALE	FEMALE
A+ve	1	2
B+ve	3	9
B-ve	-	1
AB+ve	2	5
O+ve	1	5
O-ve	-	1

Grade II+ Definitely Above Average

BLOOD GROUP	MALE	FEMALE
A +ve	-	4
A -ve	-	1
B +ve	6	13
B -ve	-	-
AB -ve	-	-
O +ve	4	2
O -ve	-	1

Grade III+ Intellectually Average

BLOOD GROUP	MALE	FEMALE
A +ve	2	5
B +ve	3	6
B -ve	-	-
AB +ve	-	3
O +ve	5	11
O -ve	-	-

Grade III- Intellectually Average

BLOOD GROUP	MALE	FEMALE
A +ve	2	-
A -ve	-	-
B +ve	1	6
B -ve	-	-
AB +ve	-	1
O +ve	2	2
O -ve	-	-

Grade IV Definitely Below Average

BLOOD GROUP	MALE	FEMALE
A +ve	-	-
A -ve	-	-
B +ve	-	2
AB +ve	-	-
AB -ve	-	-
O +ve	-	1
o -ve	-	1

Grade V Intellectually Definitely

BLOOD GROUP	MALE	FEMALE
A +ve	2	-
B +ve	-	2
B -ve	-	-
AB +ve	-	1
O +ve	1	-

IV. CONCLUSION

It was concluded that in rural area, males with blood group O show high IQ level. These are intellectually superior. The average and below average individuals are found to be having predominantly with blood group B and females of rural areas with high IQ are found to be having blood group O. The females with average IQ are found to be having blood group B.

In urban areas, males with high IQ are found to be having blood group O. Average and below average males are found to be having blood group O followed by blood group B. Females of urban area, the individuals with high and low IQ level are found to be having blood group B.

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