

Logica Verbalis Statistical Report

Final update : May 8th, 2023

Description : Logica Verbalis consists of 50 items, in which one should fill in the given gaps in order to form some well-known phrase/dictum/title etc. Although phenomenally advanced, no specific knowledge is required. All items hide well known sets of words, that everyone has heard about at several times in their life, regardless their educational level; something that anyone will understand while solving through this test. In addition, everyone is free to search any term (except for discussing with others etc.). This test would definitely be of stronger value at times before internet. Ability to search the world wide web, along with persistence and time devoted on searching, distorts tests' originality and its discrimination ability as a possible psychometric tool.

1-Fundamental Descriptive Statistics.

Mean and Median were calculated at 45.89 and 48, respectively. Standard deviation was calculated at 4.99 and standard error of measurement at 0.74. Lowest score was that of 28/50 and highest that of 50/50. Shapiro-Wilk test suggested that distribution of scores is not normal.

2-Reliability.

Cronbach's α is calculated at 0,96. Current sample (N=45) is relatively sufficient for precise estimations.

3-Correlation with standard supervised psychometric batteries

Following figures are provided according to relevant scores reported by several candidates. As one may easily notice, there is a pool of quite capable candidates, averaging an IQ over 140 (M=100, SD=15, >99% of total population). Correlation of Logica Verbalis with standard psychometric batteries is moderate; clearly positive, but moderate. Correlation with WAIS is more encouraging, however it is based on quite a few data. As always, more data would allow even safer conclusions to be drawn.

<i>Test</i>	<i>Pairs (IQ range)</i>	<i>ρ</i>	<i>MIQ</i>	<i>MTest</i>
Supervised	32 (121 - 182)	0,51	143,5	46,0
Supervised*	28 (121 - 182)	0,55	144,1	46,4
WAIS	11 (121 - 160)	0,74	142,7	46,0

Standard tests used : WAIS, RAPM, CFT20-R, FRT-A & B, CCFIT III, MAT, WPT, SB 5, Unknown Mensa Entrance Test.

Total* : Ceiling scores excluded.

Supervised* : Ceiling scores excluded.

ρ : Spearman's Rho.

MIQ : Mean IQ (M=100, SD=15).

Mtest : Mean raw score on Logica Verbalis.

(Norm follows in the next page)

4-Norm

Presentation of Theoretical IQ (TIQ, M=100, SD=15) per raw score (RS) points follows.

RS	TIQ	RS	TIQ
29	<=121	40	131
30	122	41	131
31	123	42	132
32	124	43	132
33	125	44	133
34	126	45	135
35	127	46	138
36	128	47	140
37	129	48	143
38	129	49	147
39	130	50	>=147