

General Reasoning Test (GRT2)

Reliability: South Africans, Tshivenda Speaking, Updated 2016

Sample Composition

The sample consisted of respondents who had completed any of the subtests of the General Reasoning Test battery (GRT2) in the period up to June 2015, via GeneSys for Windows. Since not all the respondents completed all the subtests, biographical information is reported separately for the three tests.

Sample Composition: General Abstract Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	94	94	58,02469	58,0247
F	66	160	40,74074	98,7654
U	2	162	1,23457	100,0000
Missing	0	162	0,00000	100,0000

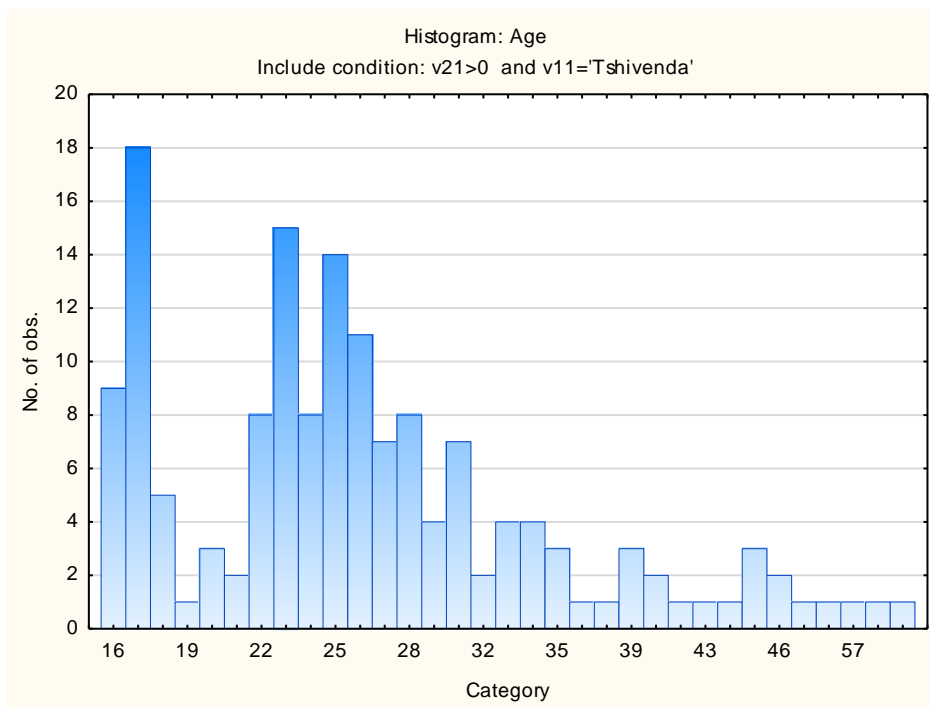
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	48	48	29,62963	29,6296
Post Graduate	6	54	3,70370	33,3333
Unknown	1	55	0,61728	33,9506
Tertiary	46	101	28,39506	62,3457
< Matric	30	131	18,51852	80,8642
Missing	31	162	19,13580	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Tshivenda	162	162	100,0000	100,0000
Missing	0	162	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	162	162	100,0000	100,0000
Missing	0	162	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	160	160	98,76543	98,7654
Asian	2	162	1,23457	100,0000
Missing	0	162	0,00000	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	26,75163	9,106303	16,00000	62,00000	153	9



Sample composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	86	86	55,84416	55,8442
F	66	152	42,85714	98,7013
U	2	154	1,29870	100,0000

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
Missing	0	154	0,00000	100,0000

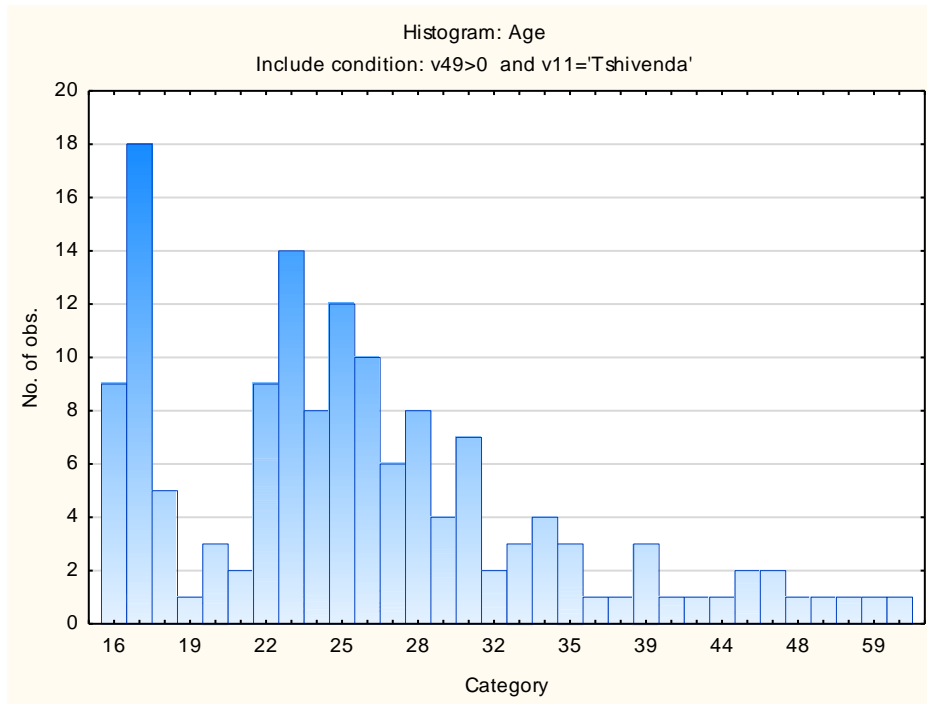
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	47	47	30,51948	30,5195
Post Graduate	5	52	3,24675	33,7662
Unknown	1	53	0,64935	34,4156
Tertiary	41	94	26,62338	61,0390
< Matric	30	124	19,48052	80,5195
Missing	30	154	19,48052	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Tshivenda	154	154	100,0000	100,0000
Missing	0	154	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	154	154	100,0000	100,0000
Missing	0	154	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	152	152	98,70130	98,7013
Asian	2	154	1,29870	100,0000
Missing	0	154	0,00000	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	26,40000	9,043414	16,00000	62,00000	145	9



Sample Composition: General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	88	88	55,69620	55,6962
F	68	156	43,03797	98,7342
U	2	158	1,26582	100,0000
Missing	0	158	0,00000	100,0000

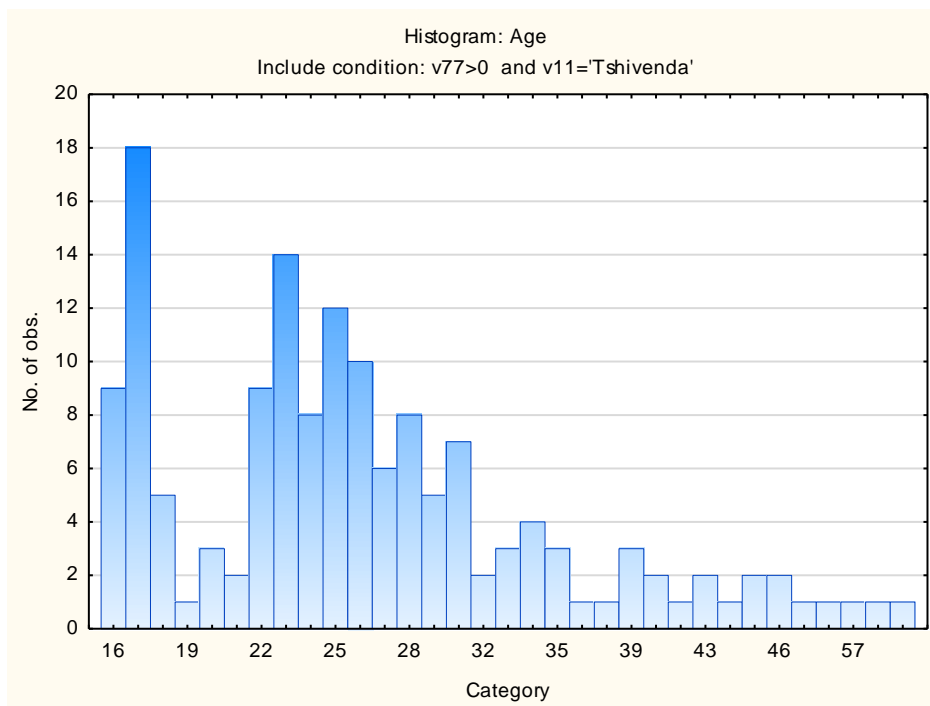
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	47	47	29,74684	29,7468
Post Graduate	5	52	3,16456	32,9114
Unknown	1	53	0,63291	33,5443
Tertiary	45	98	28,48101	62,0253
< Matric	30	128	18,98734	81,0127
Missing	30	158	18,98734	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Tshivenda	158	158	100,0000	100,0000
Missing	0	158	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	158	158	100,0000	100,0000
Missing	0	158	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	156	156	98,73418	98,7342
Asian	2	158	1,26582	100,0000
Missing	0	158	0,00000	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	26,73154	9,191382	16,00000	62,00000	149	9



Internal Consistency Reliabilities for General Reasoning Test Battery Subtests

Subtest	Cronbach Coefficient Alpha
General Abstract Reasoning Test	.81
General Numerical Reasoning Test	.66
General Verbal Reasoning Test	.77

Results of lower than 0.75 are possibly related to respondents guessing the answers to items which they may not know. Results should therefore be interpreted with caution. Do not rely on these tests in isolation, but to consider the results as part of a holistic assessment, which incorporates additional sources of information.