

General Reasoning Test (GRT2)

Reliability: South Africans, IsiZulu Speaking, Updated 2016

Sample Composition

The sample consisted of isiZulu speaking South Africans who were tested by Psytech South Africa and collaborators during the period up to June 2015, via GeneSys for Windows. Since not all respondents completed all the subtests of the General Reasoning Test battery (GRT2), the biographical characteristics are reported separately for the three tests.

Sample Composition: General Abstract Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	1513	1513	67,24444	67,2444
F	730	2243	32,44444	99,6889
U	7	2250	0,31111	100,0000
Missing	0	2250	0,00000	100,0000

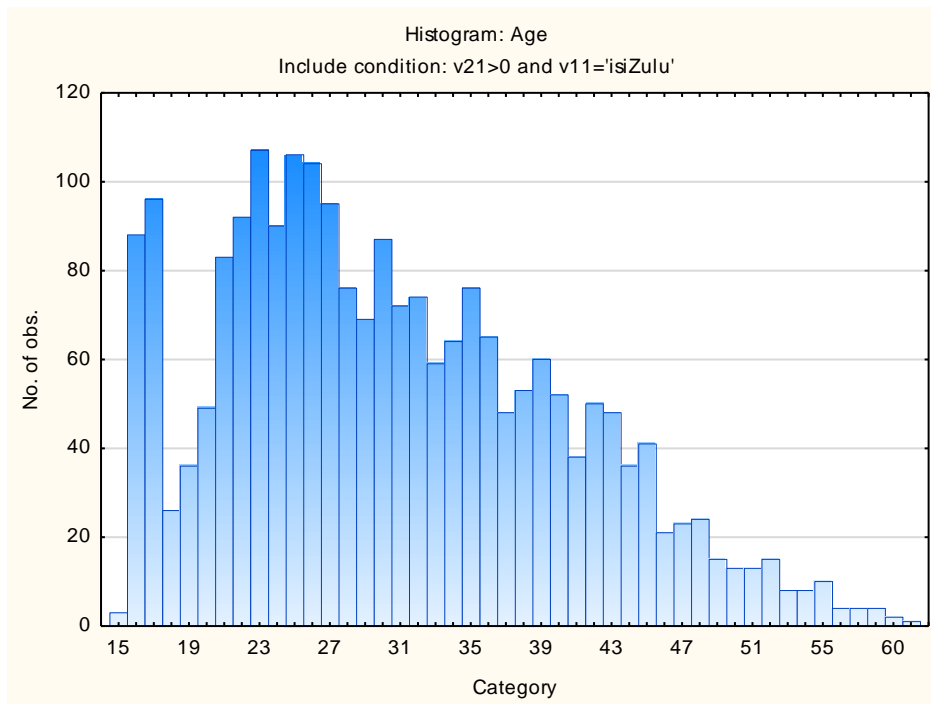
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	883	883	39,24444	39,2444
Post Graduate	105	988	4,66667	43,9111
Unknown	24	1012	1,06667	44,9778
Tertiary	514	1526	22,84444	67,8222
< Matric	523	2049	23,24444	91,0667
Missing	201	2250	8,93333	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	2250	2250	100,0000	100,0000
Missing	0	2250	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	2250	2250	100,0000	100,0000
Missing	0	2250	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	2226	2226	98,93333	98,93333
Asian	13	2239	0,57778	99,51111
Coloured	4	2243	0,17778	99,68889
European	3	2246	0,13333	99,82222
Missing	4	2250	0,17778	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	30,63949	9,554533	15,00000	64,00000	2208	42



Sample Composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	1404	1404	66,66667	66,6667
F	695	2099	33,00095	99,6676
U	7	2106	0,33238	100,0000
Missing	0	2106	0,00000	100,0000

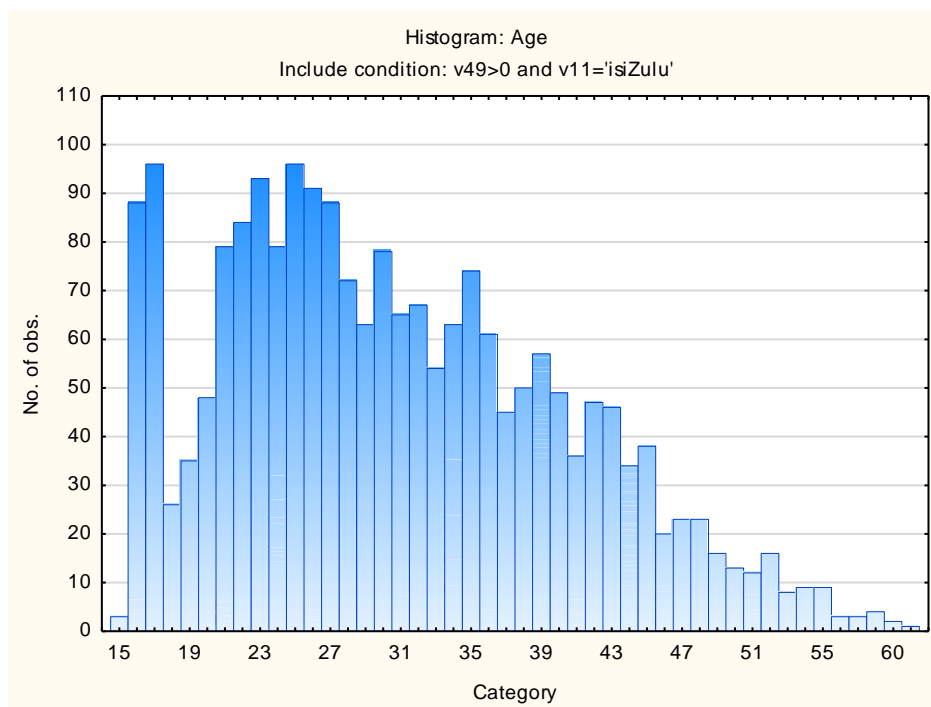
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	861	861	40,88319	40,8832
Post Graduate	83	944	3,94112	44,8243
Unknown	24	968	1,13960	45,9639
Tertiary	431	1399	20,46534	66,4292
< Matric	518	1917	24,59639	91,0256
Missing	189	2106	8,97436	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	2106	2106	100,0000	100,0000
Missing	0	2106	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	2106	2106	100,0000	100,0000
Missing	0	2106	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	2083	2083	98,90788	98,9079
Asian	11	2094	0,52232	99,4302
Coloured	4	2098	0,18993	99,6201
European	3	2101	0,14245	99,7626
Missing	5	2106	0,23742	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	30,69328	9,685808	15,00000	64,00000	2067	39



Sample Composition: General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	1406	1406	66,60351	66,6035
F	698	2104	33,06490	99,6684
U	7	2111	0,33160	100,0000
Missing	0	2111	0,00000	100,0000

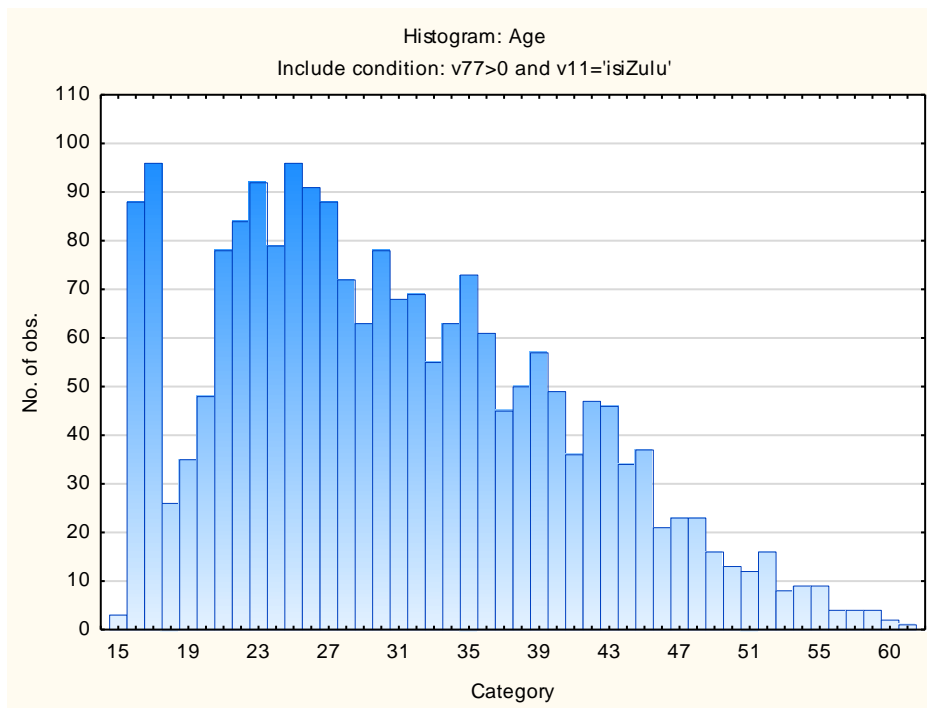
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	861	861	40,78636	40,7864
Post Graduate	84	945	3,97916	44,7655
Unknown	24	969	1,13690	45,9024
Tertiary	434	1403	20,55898	66,4614
< Matric	518	1921	24,53813	90,9995
Missing	190	2111	9,00047	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	2111	2111	100,0000	100,0000
Missing	0	2111	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	2111	2111	100,0000	100,0000
Missing	0	2111	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	2089	2089	98,95784	98,9578
Asian	11	2100	0,52108	99,4789
Coloured	4	2104	0,18948	99,6684
European	3	2107	0,14211	99,8105
Missing	4	2111	0,18948	100,0000

Variable	Descriptive Statistics: Age					No. cases Missing
	Mean	Std.Dev	Minimum	Maximum	N	
Age	30,72780	9,703934	15,00000	64,00000	2072	39



Internal Consistency Reliabilities for General Reasoning Test Battery Subtests

Subtest	Cronbach Coefficient Alpha
General Abstract Reasoning Test	.82
General Numerical Reasoning Test	.72
General Verbal Reasoning Test	.80

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.