

General Reasoning Test (GRT2)

Reliability: South Africans, Setswana Speaking, Updated 2016

Sample Composition

The sample consisted of Setswana 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	378	378	47,48744	47,4874
F	415	793	52,13568	99,6231
U	3	796	0,37688	100,0000
Missing	0	796	0,00000	100,0000

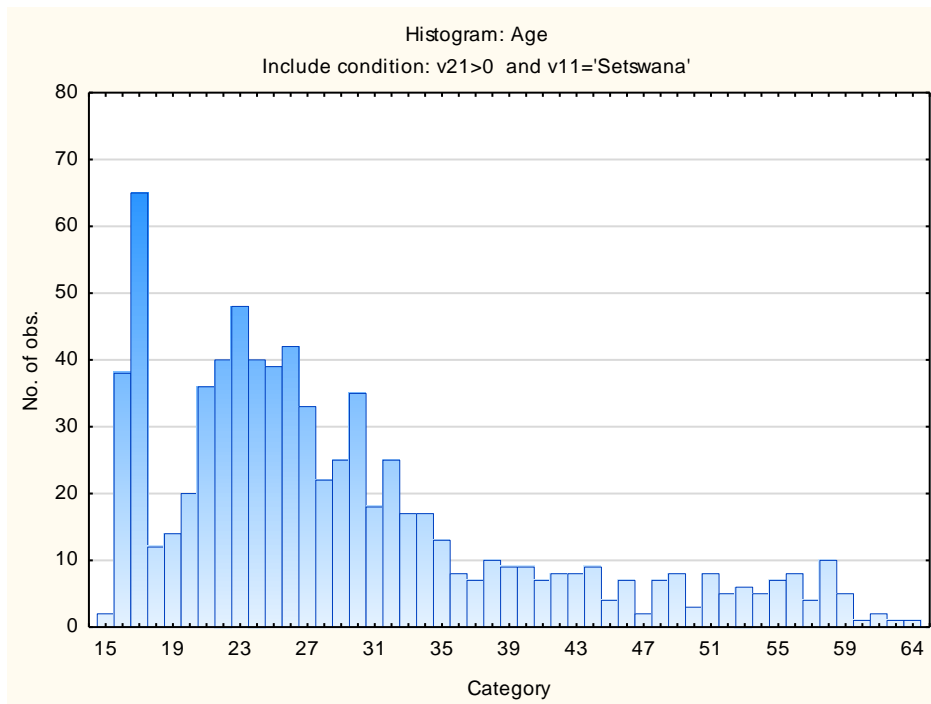
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	265	265	33,29146	33,2915
Post Graduate	50	315	6,28141	39,5729
Unknown	3	318	0,37688	39,9497
Tertiary	275	593	34,54774	74,4975
< Matric	115	708	14,44724	88,9447
Missing	88	796	11,05528	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Setswana	796	796	100,0000	100,0000
Missing	0	796	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	796	796	100,0000	100,0000
Missing	0	796	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	786	786	98,74372	98,7437
Asian	3	789	0,37688	99,1206
Coloured	2	791	0,25126	99,3719
European	2	793	0,25126	99,6231
Missing	3	796	0,37688	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29,35195	11,14765	15,00000	64,00000	770	26



Sample Composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	357	357	46,66667	46,66667
F	406	763	53,07190	99,7386
U	2	765	0,26144	100,0000
Missing	0	765	0,00000	100,0000

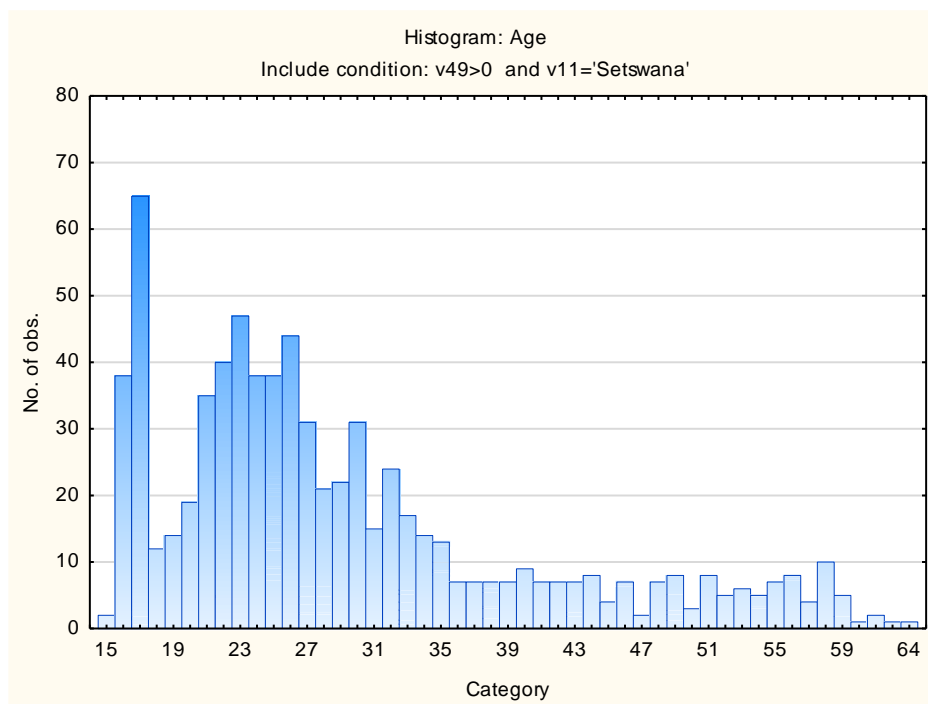
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	254	254	33,20261	33,2026
Post Graduate	48	302	6,27451	39,4771
Unknown	3	305	0,39216	39,8693
Tertiary	255	560	33,33333	73,2026
< Matric	115	675	15,03268	88,2353
Missing	90	765	11,76471	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Setswana	765	765	100,0000	100,0000
Missing	0	765	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	765	765	100,0000	100,0000
Missing	0	765	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	755	755	98,69281	98,6928
Asian	3	758	0,39216	99,0850
Coloured	2	760	0,26144	99,3464
European	2	762	0,26144	99,6078
Missing	3	765	0,39216	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29,24730	11,28987	15,00000	64,00000	740	25



Sample Composition: General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	351	351	46,18421	46,1842
F	406	757	53,42105	99,6053
U	3	760	0,39474	100,0000
Missing	0	760	0,00000	100,0000

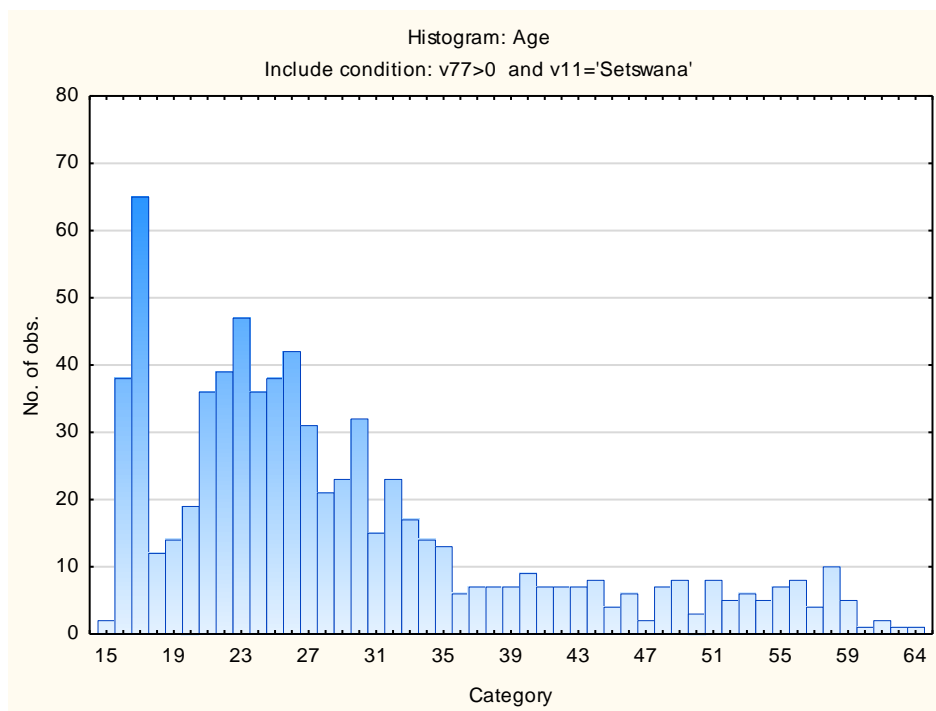
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	251	251	33,02632	33,0263
Post Graduate	48	299	6,31579	39,3421
Unknown	3	302	0,39474	39,7368
Tertiary	253	555	33,28947	73,0263
< Matric	115	670	15,13158	88,1579
Missing	90	760	11,84211	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Setswana	760	760	100,0000	100,0000
Missing	0	760	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	760	760	100,0000	100,0000
Missing	0	760	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	750	750	98,68421	98,6842
Asian	3	753	0,39474	99,0789
Coloured	2	755	0,26316	99,3421
European	2	757	0,26316	99,6053
Missing	3	760	0,39474	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29,23401	11,30454	15,00000	64,00000	735	25



Internal Consistency Reliabilities for General Reasoning Test Battery Subtests

Subtest	Cronbach Coefficient Alpha
General Abstract Reasoning Test	.78
General Numerical Reasoning Test	.74
General Verbal Reasoning Test	.74

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.