

General Reasoning Test (GRT2)

Reliability: South Africans, Sesotho Speaking, Updated 2016

Sample Composition

The sample consisted of Sesotho 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	607	607	65,55076	65,5508
F	315	922	34,01728	99,5680
U	4	926	0,43197	100,0000
Missing	0	926	0,00000	100,0000

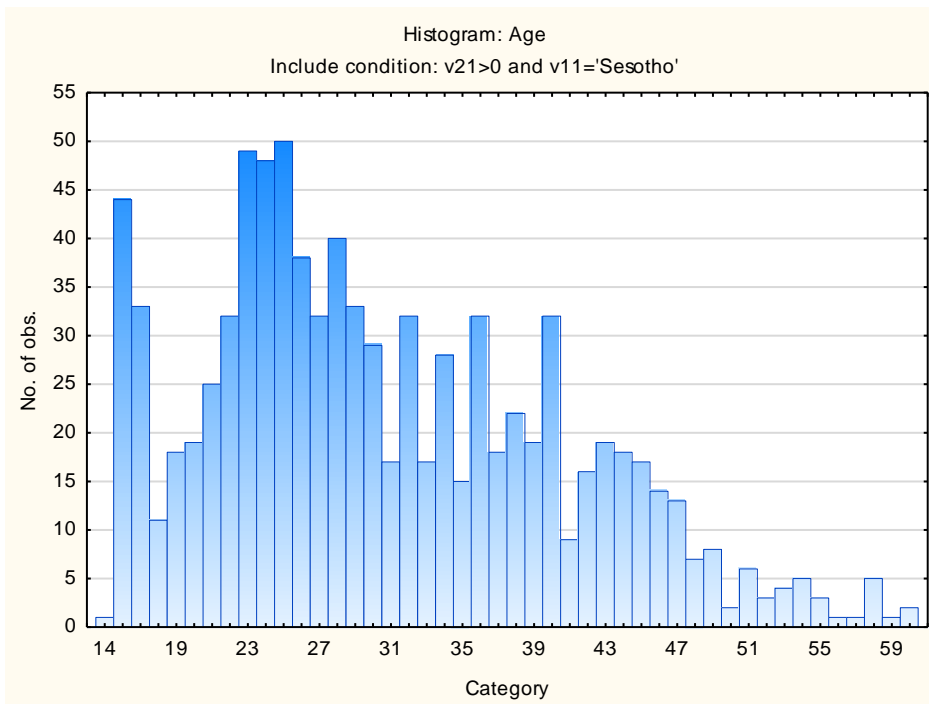
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	357	357	38,55292	38,5529
Post Graduate	43	400	4,64363	43,1965
Unknown	3	403	0,32397	43,5205
Tertiary	232	635	25,05400	68,5745
< Matric	198	833	21,38229	89,9568
Missing	93	926	10,04320	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Sesotho	926	926	100,0000	100,0000
Missing	0	926	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	926	926	100,0000	100,0000
Missing	0	926	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	921	921	99,46004	99,4600
Asian	1	922	0,10799	99,5680
Coloured	2	924	0,21598	99,7840
European	1	925	0,10799	99,8920
Missing	1	926	0,10799	100,0000

Variable	Descriptive Statistics: Age					No.cases Missing
	Mean	Std.Dev	Minimum	Maximum	N	
Age	30,64077	9,834390	14,00000	60,00000	888	38



Sample Composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	575	575	65,34091	65,3409
F	301	876	34,20455	99,5455
U	4	880	0,45455	100,0000
Missing	0	880	0,00000	100,0000

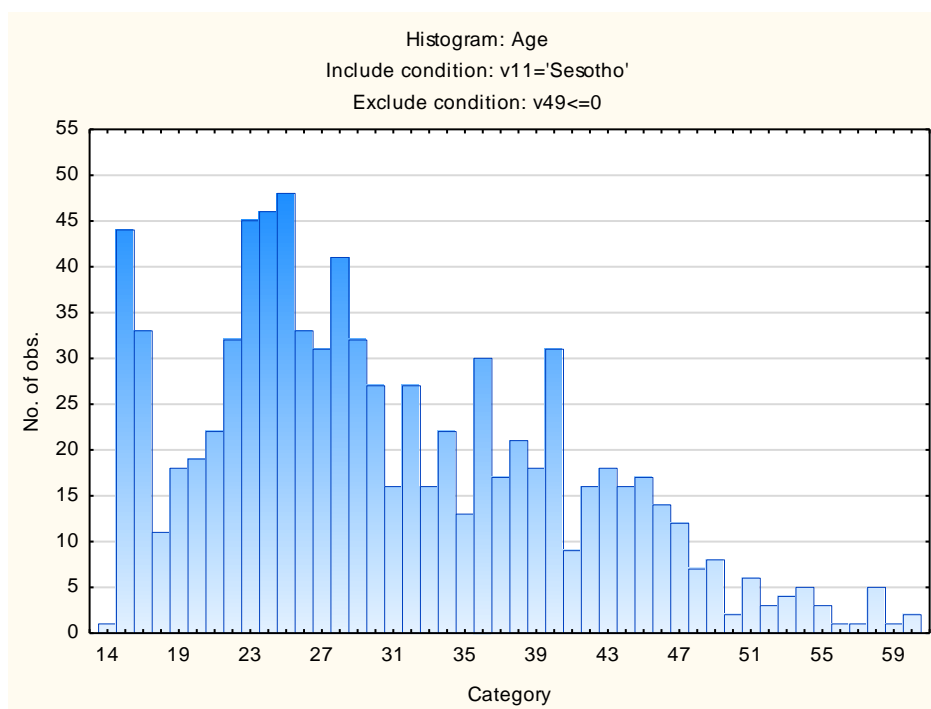
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	347	347	39,43182	39,4318
Post Graduate	30	377	3,40909	42,8409
Unknown	3	380	0,34091	43,1818
Tertiary	210	590	23,86364	67,0455
< Matric	199	789	22,61364	89,6591
Missing	91	880	10,34091	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Sesotho	880	880	100,0000	100,0000
Missing	0	880	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	880	880	100,0000	100,0000
Missing	0	880	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	877	877	99,65909	99,6591
Coloured	2	879	0,22727	99,8864
Missing	1	880	0,11364	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	30,61137	9,970094	14,00000	60,00000	844	36



Sample Composition: General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	572	572	65,00000	65,0000
F	304	876	34,54545	99,5455
U	4	880	0,45455	100,0000
Missing	0	880	0,00000	100,0000

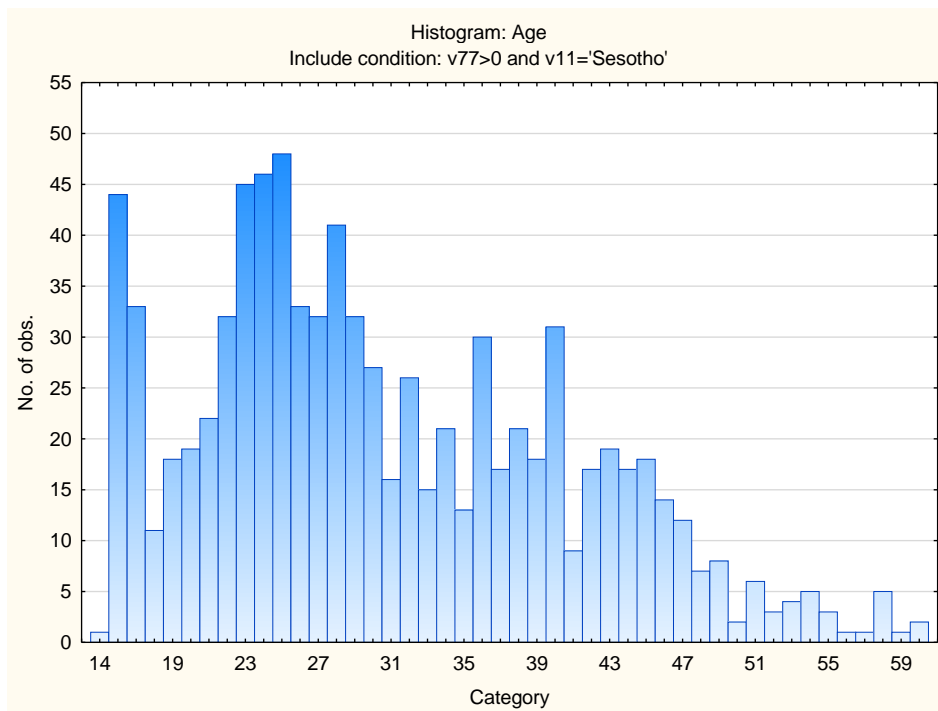
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	346	346	39,31818	39,3182
Post Graduate	30	376	3,40909	42,7273
Unknown	3	379	0,34091	43,0682
Tertiary	213	592	24,20455	67,2727
< Matric	198	790	22,50000	89,7727
Missing	90	880	10,22727	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Sesotho	880	880	100,0000	100,0000
Missing	0	880	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	880	880	100,0000	100,0000
Missing	0	880	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	877	877	99,65909	99,6591
Coloured	2	879	0,22727	99,8864
Missing	1	880	0,11364	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	30,65957	9,997512	14,00000	60,00000	846	34



Internal Consistency Reliabilities for General Reasoning Test Battery Subtests

Subtest	Cronbach Coefficient Alpha
General Abstract Reasoning Test	.80
General Numerical Reasoning Test	.69
General Verbal Reasoning Test	.78

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.