

# General Reasoning Test (GRT2)

## Reliability: South Africans, Sepedi 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	399	399	43,70208	43,7021
F	509	908	55,75027	99,4524
U	5	913	0,54765	100,0000
Missing	0	913	0,00000	100,0000

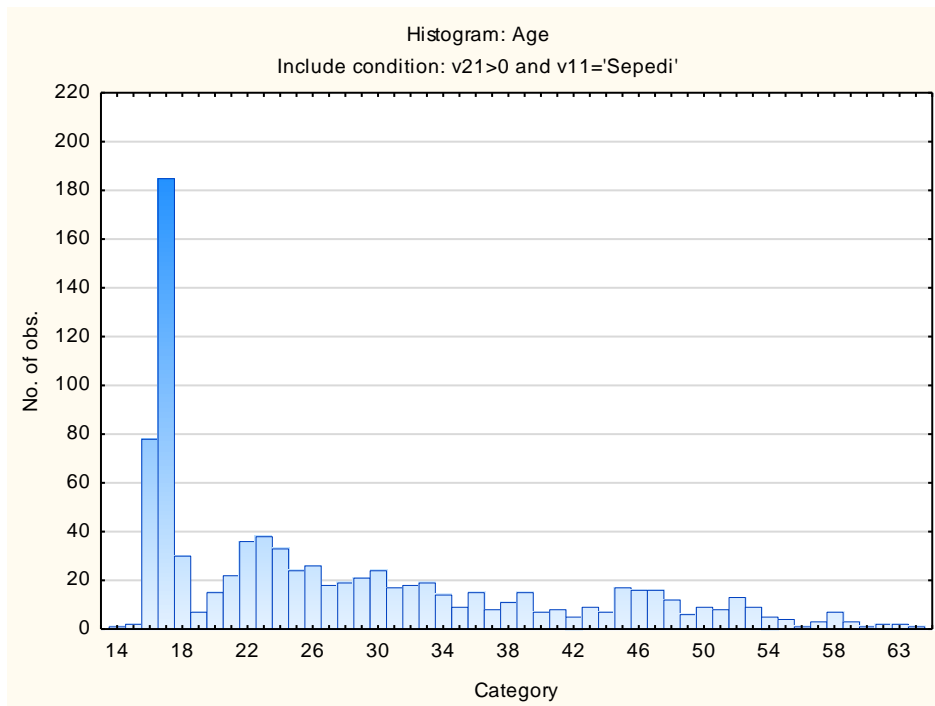
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	306	306	33,51588	33,5159
Post Graduate	28	334	3,06681	36,5827
Unknown	24	358	2,62870	39,2114
Tertiary	188	546	20,59146	59,8028
< Matric	311	857	34,06353	93,8664
Missing	56	913	6,13363	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Sepedi	913	913	100,0000	100,0000
Missing	0	913	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	913	913	100,0000	100,0000
Missing	0	913	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	901	901	98,68565	98,6857
Asian	3	904	0,32859	99,0142
Coloured	2	906	0,21906	99,2333
European	1	907	0,10953	99,3428
Missing	6	913	0,65717	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No. cases Missing
Age	28,11872	12,06021	14,00000	64,00000	876	37



## Sample composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	388	388	43,35196	43,3520
F	502	890	56,08939	99,4413
U	5	895	0,55866	100,0000
Missing	0	895	0,00000	100,0000

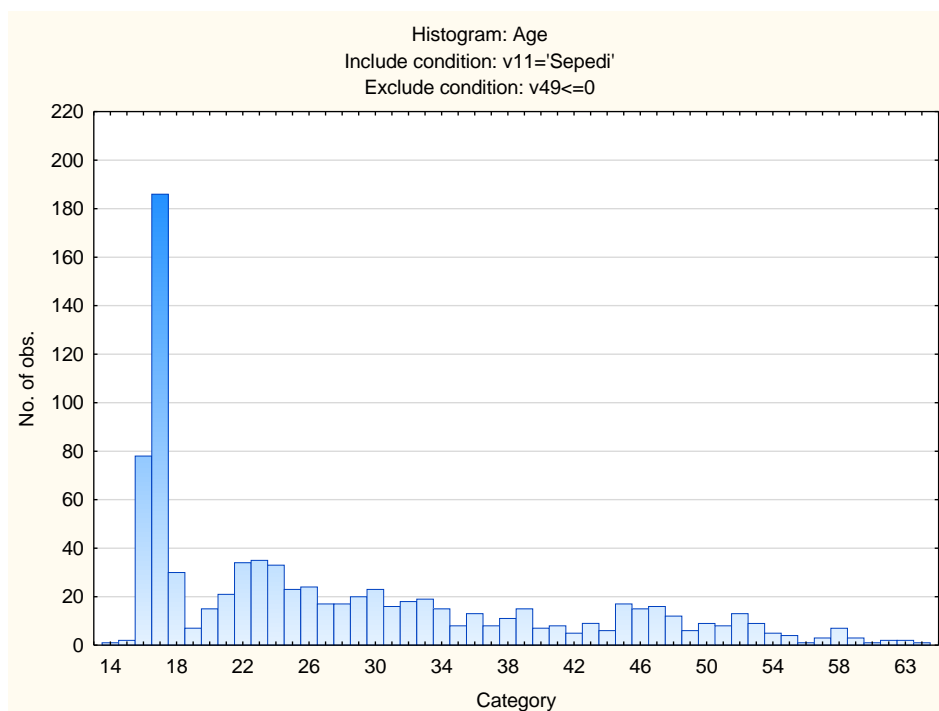
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	301	301	33,63128	33,6313
Post Graduate	25	326	2,79330	36,4246
Unknown	24	350	2,68156	39,1061
Tertiary	176	526	19,66480	58,7709
< Matric	312	838	34,86034	93,6313
Missing	57	895	6,36872	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Sepedi	895	895	100,0000	100,0000
Missing	0	895	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	895	895	100,0000	100,0000
Missing	0	895	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	883	883	98,65922	98,6592
Asian	3	886	0,33520	98,9944
Coloured	2	888	0,22346	99,2179
European	1	889	0,11173	99,3296
Missing	6	895	0,67039	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	28,09091	12,14675	14,00000	64,00000	858	37



### Sample Composition: General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	388	388	43,25530	43,2553
F	504	892	56,18729	99,4426
U	5	897	0,55741	100,0000
Missing	0	897	0,00000	100,0000

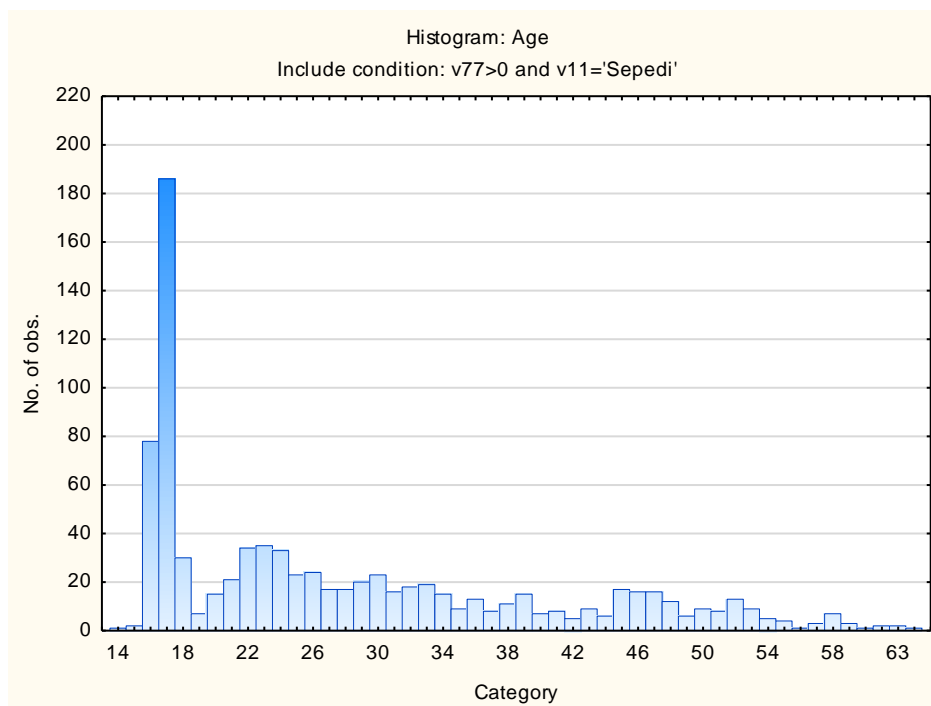
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	301	301	33,55630	33,5563
Post Graduate	25	326	2,78707	36,3434
Unknown	24	350	2,67559	39,0190
Tertiary	178	528	19,84392	58,8629
< Matric	312	840	34,78261	93,6455
Missing	57	897	6,35452	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Sepedi	897	897	100,0000	100,0000
Missing	0	897	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	897	897	100,0000	100,0000
Missing	0	897	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	885	885	98,66221	98,6622
Asian	3	888	0,33445	98,9967
Coloured	2	890	0,22297	99,2196
European	1	891	0,11148	99,3311
Missing	6	897	0,66890	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	28,11977	12,15024	14,00000	64,00000	860	37



## Internal Consistency Reliabilities for General Reasoning Test Battery Subtests

<b>Subtest</b>	<b>Cronbach Coefficient Alpha</b>
General Abstract Reasoning Test	.80
General Numerical Reasoning Test	.72
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.