

General Reasoning Test (GRT2)

Reliability: South Africans, siSwati 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	92	92	41,81818	41,8182
F	128	220	58,18182	100,0000
Missing	0	220	0,00000	100,0000

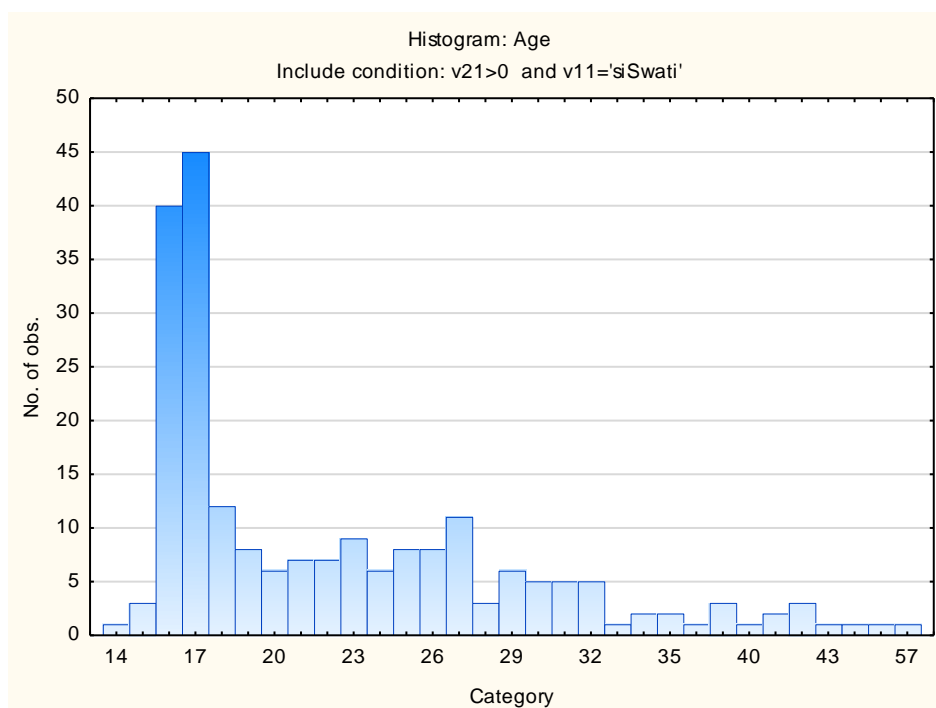
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	58	58	26,36364	26,3636
Post Graduate	5	63	2,27273	28,6364
Unknown	3	66	1,36364	30,0000
Tertiary	37	103	16,81818	46,8182
< Matric	109	212	49,54545	96,3636
Missing	8	220	3,63636	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
siSwati	220	220	100,0000	100,0000
Missing	0	220	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	220	220	100,0000	100,0000
Missing	0	220	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	218	218	99,09091	99,0909
Asian	1	219	0,45455	99,5455
European	1	220	0,45455	100,0000
Missing	0	220	0,00000	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	22,44860	7,676234	14,00000	57,00000	214	6



Sample Composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	86	86	40,56604	40,5660
F	126	212	59,43396	100,0000

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
Missing	0	212	0,00000	100,0000

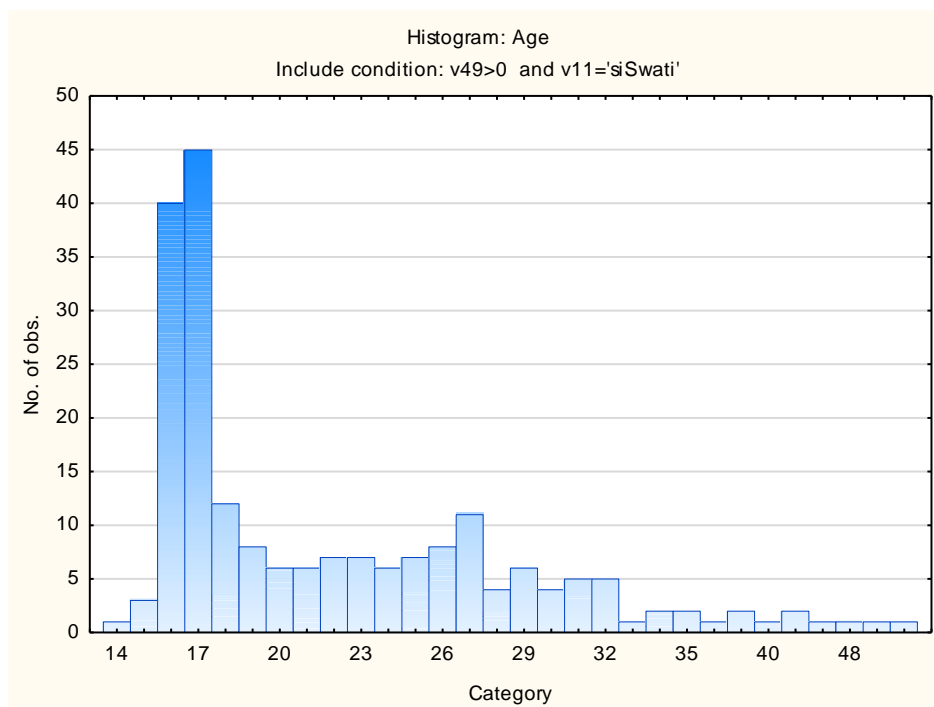
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	57	57	26,88679	26,8868
Post Graduate	3	60	1,41509	28,3019
Unknown	3	63	1,41509	29,7170
Tertiary	32	95	15,09434	44,8113
< Matric	109	204	51,41509	96,2264
Missin	8	212	3,77358	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
siSwati	212	212	100,0000	100,0000
Missing	0	212	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	212	212	100,0000	100,0000
Missing	0	212	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	212	212	100,0000	100,0000
Missing	0	212	0,0000	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	22,07767	7,383157	14,00000	57,00000	206	6



Sample Composition: General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	86	86	40,18692	40,1869
F	128	214	59,81308	100,0000
Missing	0	214	0,00000	100,0000

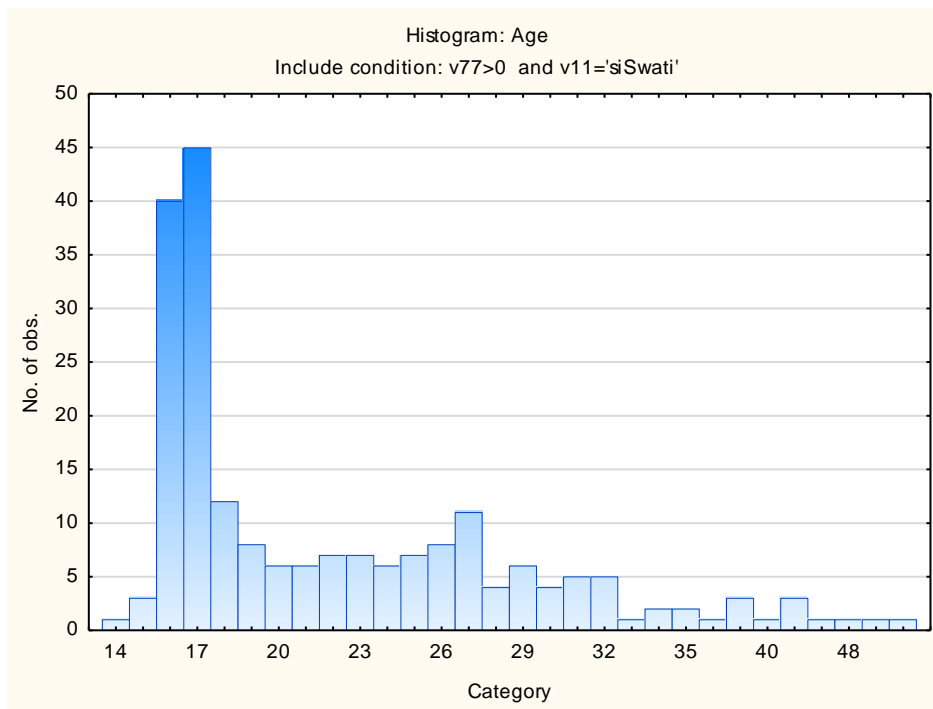
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	57	57	26,63551	26,6355
Post Graduate	3	60	1,40187	28,0374
Unknown	3	63	1,40187	29,4393
Tertiary	34	97	15,88785	45,3271
< Matric	109	206	50,93458	96,2617
Missing	8	214	3,73832	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
siSwati	214	214	100,0000	100,0000
Missing	0	214	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	214	214	100,0000	100,0000
Missing	0	214	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	214	214	100,0000	100,0000
Missing	0	214	0,0000	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	22,25000	7,556230	14,00000	57,00000	208	6



Internal Consistency Reliabilities for General Reasoning Test Battery Subtests

Subtest	Cronbach Coefficient Alpha
General Abstract Reasoning Test	.70
General Numerical Reasoning Test	.69
General Verbal Reasoning Test	.73

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.