

General Reasoning Test (GRT2)

Reliability: South Africans, Xitsonga 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	141	141	51,83824	51,8382
F	131	272	48,16176	100,0000
Missing	0	272	0,00000	100,0000

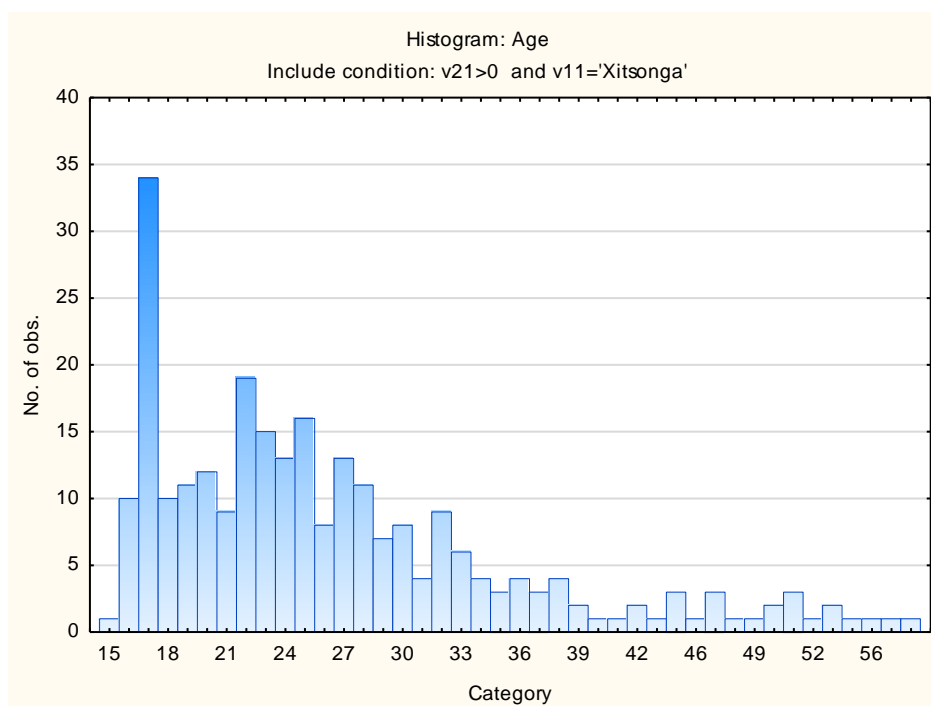
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	103	103	37,86765	37,8676
Post Graduate	19	122	6,98529	44,8529
Unknown	1	123	0,36765	45,2206
Tertiary	73	196	26,83824	72,0588
< Matric	49	245	18,01471	90,0735
Missing	27	272	9,92647	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Xitsonga	272	272	100,0000	100,0000
Missing	0	272	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	272	272	100,0000	100,0000
Missing	0	272	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	272	272	100,0000	100,0000
Missing	0	272	0,0000	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No. cases Missing
Age	26,56489	9,477215	15,00000	59,00000	262	10



Sample Composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	124	124	49,79920	49,7992
F	125	249	50,20080	100,0000
Missing	0	249	0,00000	100,0000

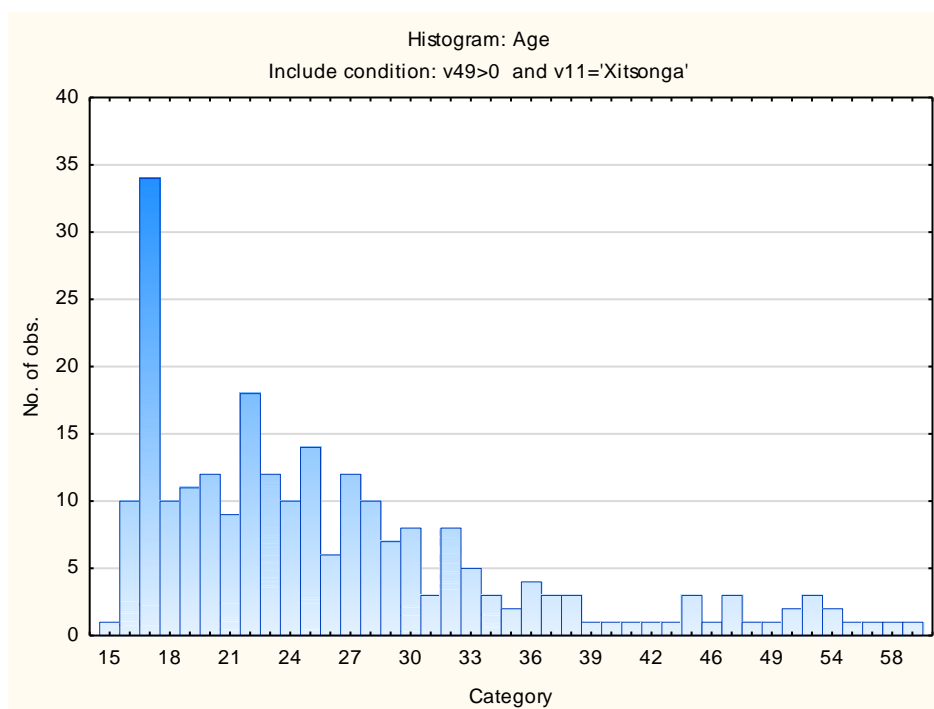
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	98	98	39,35743	39,3574
Post Graduate	12	110	4,81928	44,1767
Unknown	1	111	0,40161	44,5783
Tertiary	62	173	24,89960	69,4779
< Matric	49	222	19,67871	89,1566
Missing	27	249	10,84337	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Xitsonga	249	249	100,0000	100,0000
Missing	0	249	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	249	249	100,0000	100,0000
Missing	0	249	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	249	249	100,0000	100,0000
Missing	0	249	0,0000	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	26,26667	9,582702	15,00000	59,00000	240	9



Sample Composition: General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	124	124	49,20635	49,2063
F	128	252	50,79365	100,0000
Missing	0	252	0,00000	100,0000

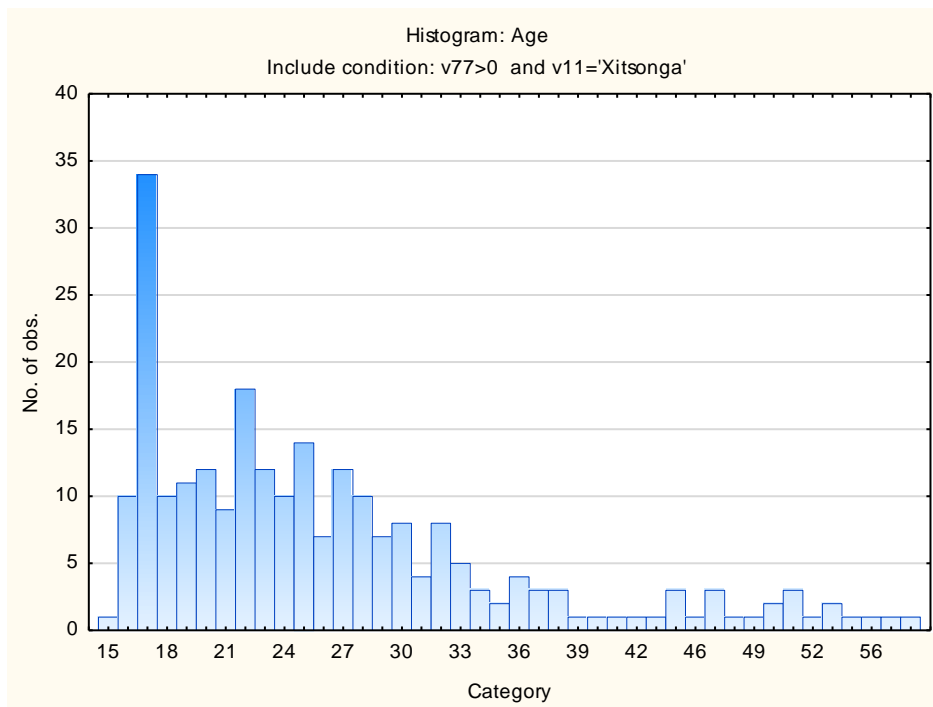
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	98	98	38,88889	38,8889
Post Graduate	12	110	4,76190	43,6508
Unknown	1	111	0,39683	44,0476
Tertiary	65	176	25,79365	69,8413
< Matric	49	225	19,44444	89,2857
Missing	27	252	10,71429	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Xitsonga	252	252	100,0000	100,0000
Missing	0	252	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	252	252	100,0000	100,0000
Missing	0	252	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	252	252	100,0000	100,0000
Missing	0	252	0,0000	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	26,39095	9,669724	15,00000	59,00000	243	9



Internal Consistency Reliabilities for General Reasoning Test Battery Subtests

Subtest	Cronbach Coefficient Alpha
General Abstract Reasoning Test	.79
General Numerical Reasoning Test	.67
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.