

General Reasoning Test (GRT2)

Reliability: South Africans, isiXhosa 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	631	631	52,71512	52,7151
F	565	1196	47,20134	99,9165
U	1	1197	0,08354	100,0000
Missing	0	1197	0,00000	100,0000

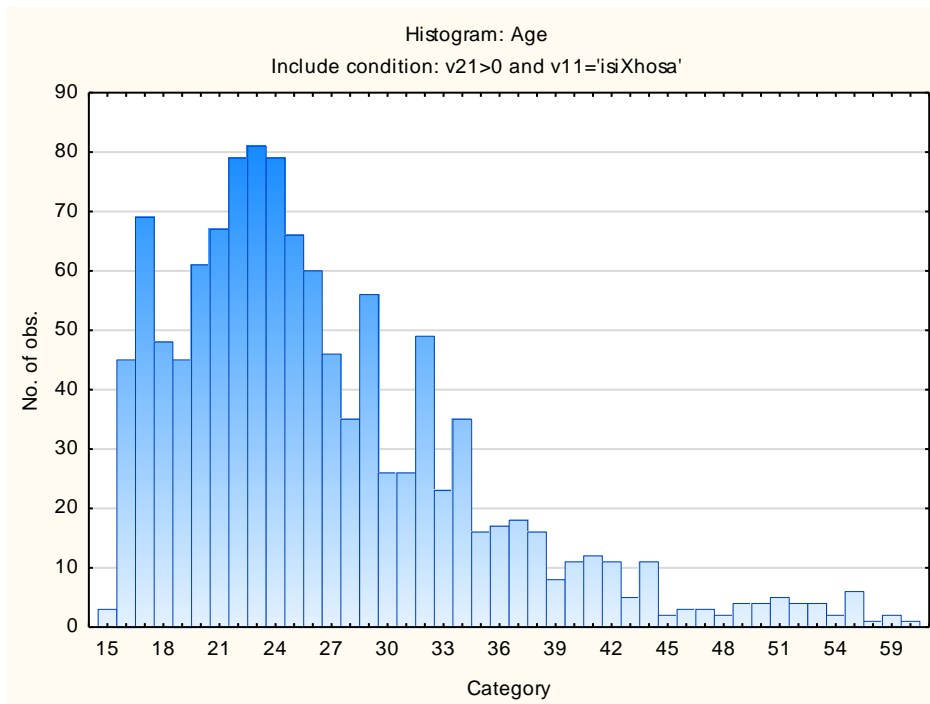
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	538	538	44,94570	44,9457
Post Graduate	38	576	3,17460	48,1203
Unknown	8	584	0,66834	48,7886
Tertiary	389	973	32,49791	81,2865
< Matric	150	1123	12,53133	93,8179
Missing	74	1197	6,18212	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiXhosa	1197	1197	100,0000	100,0000
Missing	0	1197	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	1197	1197	100,0000	100,0000
Missing	0	1197	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	1179	1179	98,49624	98,4962
Asian	3	1182	0,25063	98,7469
Coloured	9	1191	0,75188	99,4987
European	5	1196	0,41771	99,9165
Missing	1	1197	0,08354	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	26,56555	8,201302	15,00000	62,00000	1167	30



Sample Composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	565	565	51,22393	51,2239
F	537	1102	48,68540	99,9093
U	1	1103	0,09066	100,0000
Missing	0	1103	0,00000	100,0000

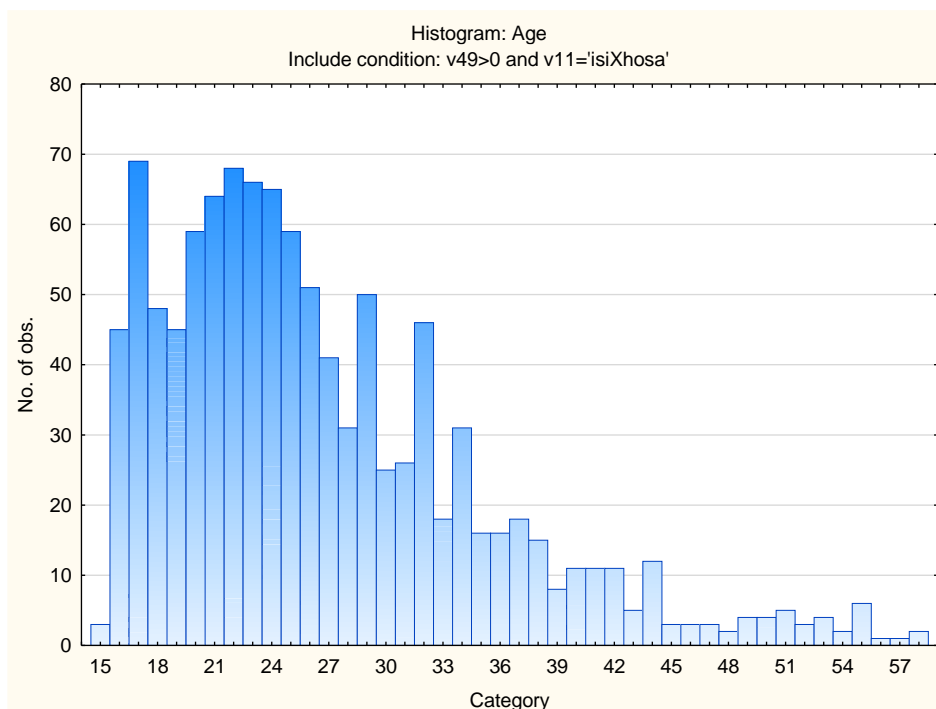
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	534	534	48,41342	48,4134
Post Graduate	28	562	2,53853	50,9519
Unknown	8	570	0,72529	51,6772
Tertiary	310	880	28,10517	79,7824
< Matric	150	1030	13,59927	93,3817
Missing	73	1103	6,61831	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiXhosa	1103	1103	100,0000	100,0000
Missing	0	1103	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	1103	1103	100,0000	100,0000
Missing	0	1103	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	1086	1086	98,45875	98,4587
Asian	2	1088	0,18132	98,6401
Coloured	9	1097	0,81596	99,4560
European	4	1101	0,36265	99,8187
Missing	2	1103	0,18132	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	26,61245	8,425840	15,00000	59,00000	1076	27



Sample Composition: General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	563	563	51,18182	51,1818
F	536	1099	48,72727	99,9091
U	1	1100	0,09091	100,0000
Missing	0	1100	0,00000	100,0000

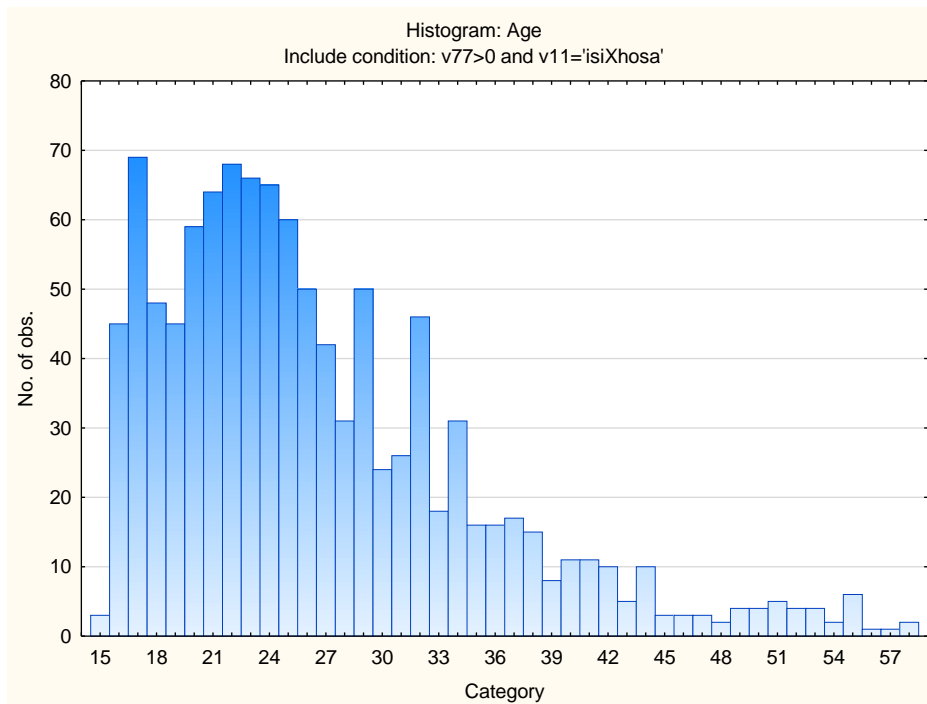
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	531	531	48,27273	48,2727
Post Graduate	28	559	2,54545	50,8182
Unknown	8	567	0,72727	51,5455
Tertiary	312	879	28,36364	79,9091
< Matric	150	1029	13,63636	93,5455
Missing	71	1100	6,45455	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiXhosa	1100	1100	100,0000	100,0000
Missing	0	1100	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	1100	1100	100,0000	100,0000
Missing	0	1100	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	1084	1084	98,54545	98,5455
Asian	2	1086	0,18182	98,7273
Coloured	9	1095	0,81818	99,5455
European	4	1099	0,36364	99,9091
Missing	1	1100	0,09091	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	26,57596	8,420173	15,00000	59,00000	1073	27



Internal Consistency Reliabilities for General Reasoning Test Battery Subtests

Subtest	Cronbach Coefficient Alpha
General Abstract Reasoning Test	.79
General Numerical Reasoning Test	.71
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.