

General Reasoning Test (GRT2)

Reliability: South Africans, Aggregate Population, 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.

General Abstract Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	9953	9953	57,04379	57,0438
F	7401	17354	42,41747	99,4613
U	94	17448	0,53874	100,0000
Missing	0	17448	0,00000	100,0000

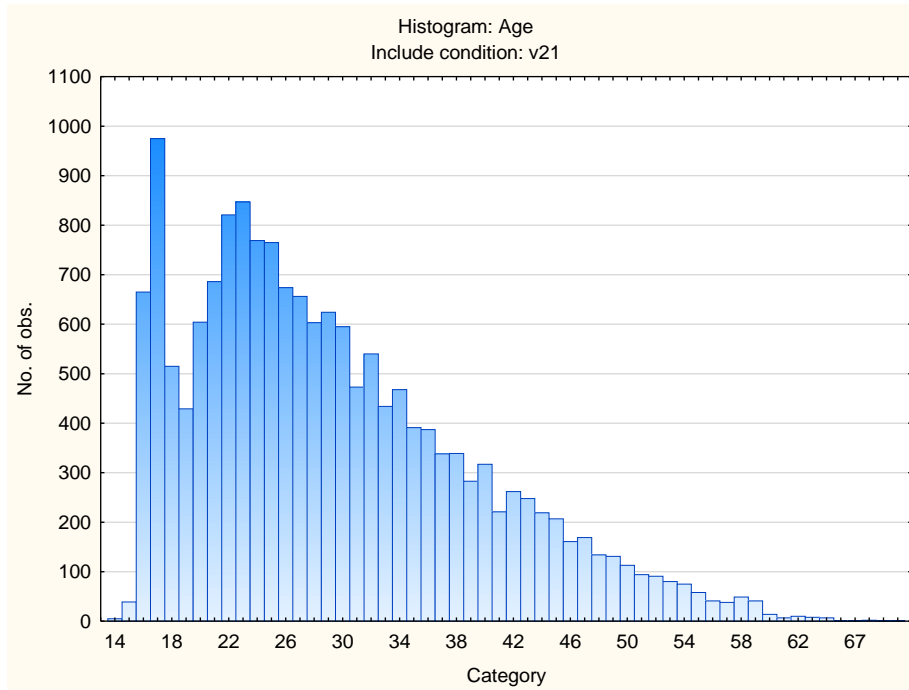
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	5524	5524	31,65979	31,6598
Post Graduate	733	6257	4,20105	35,8608
Unknown	147	6404	0,84250	36,7033
Tertiary	3718	10122	21,30903	58,0124
< Matric	2394	12516	13,72077	71,7331
Missing	4932	17448	28,26685	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Other	779	779	4,46470	4,4647
English	3655	4434	20,94796	25,4127
isiZulu	2250	6684	12,89546	38,3081
Afrikaans	1902	8586	10,90096	49,2091
isiXhosa	1197	9783	6,86039	56,0695
Sesotho	926	10709	5,30720	61,3767
Sepedi	913	11622	5,23269	66,6094
Setswana	796	12418	4,56213	71,1715
Xitsonga	272	12690	1,55892	72,7304
Tshivenda	162	12852	0,92847	73,6589
siSwati	220	13072	1,26089	74,9198
isiNdebele	79	13151	0,45277	75,3725
Missing	4297	17448	24,62746	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	6815	6815	39,05892	39,0589
Afrikaans	1902	8717	10,90096	49,9599
English	3655	12372	20,94796	70,9078
Other	779	13151	4,46470	75,3725
Missing	4297	17448	24,62746	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	7798	7798	44,69280	44,6928
Asian	1300	9098	7,45071	52,1435
Coloured	1275	10373	7,30743	59,4509
European	2700	13073	15,47455	74,9255
Indian	6	13079	0,03439	74,9599
Unknown	188	13267	1,07749	76,0374
Missing	4181	17448	23,96263	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29,37774	9,915655	14,00000	71,00000	16726	722



General Numerical Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	9151	9151	55,76818	55,7682
F	7167	16318	43,67725	99,4454
U	91	16409	0,55457	100,0000
Missing	0	16409	0,00000	100,0000

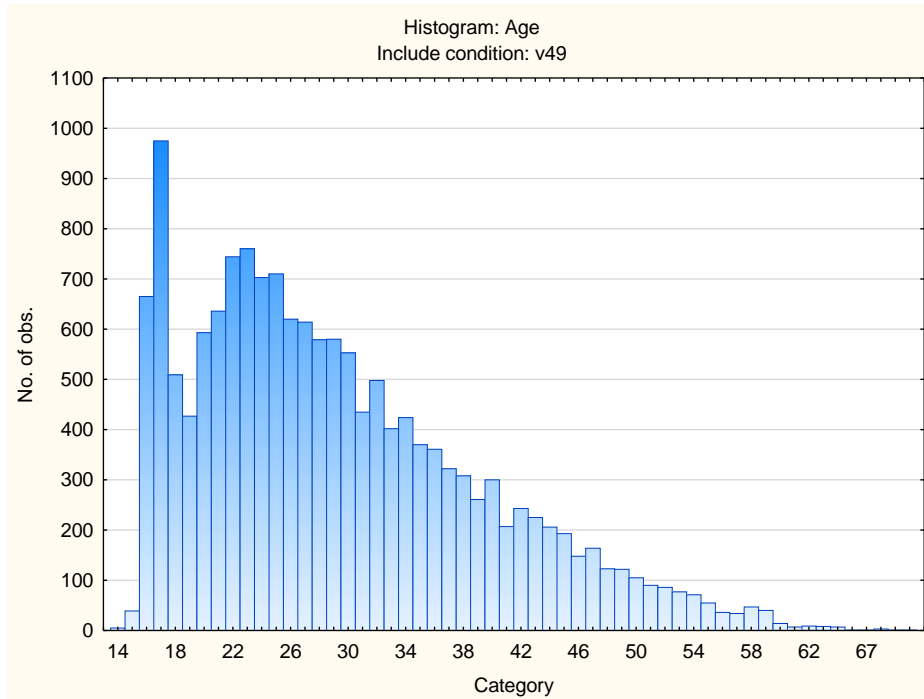
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	5368	5368	32,71375	32,7138
Post Graduate	560	5928	3,41276	36,1265
Unknown	147	6075	0,89585	37,0224
Tertiary	3226	9301	19,65994	56,6823
< Matric	2371	11672	14,44939	71,1317
Missing	4737	16409	28,86830	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Other	764	764	4,65598	4,6560
English	3182	3946	19,39180	24,0478
isiZulu	2106	6052	12,83442	36,8822
Afrikaans	1849	7901	11,26821	48,1504
isiXhosa	1103	9004	6,72192	54,8723
Sesotho	880	9884	5,36291	60,2352
Sepedi	895	10779	5,45432	65,6896
Setswana	765	11544	4,66208	70,3516
Xitsonga	249	11793	1,51746	71,8691
Tshivenda	154	11947	0,93851	72,8076
siSwati	212	12159	1,29197	74,0996
isiNdebele	74	12233	0,45097	74,5506
Missing	4176	16409	25,44945	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	6438	6438	39,23457	39,2346
Afrikaans	1849	8287	11,26821	50,5028
English	3182	11469	19,39180	69,8946
Other	764	12233	4,65598	74,5506
Missing	4176	16409	25,44945	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	7396	7396	45,07283	45,0728
Asian	1038	8434	6,32580	51,3986
Coloured	1245	9679	7,58730	58,9859
European	2476	12155	15,08928	74,0752
Indian	6	12161	0,03657	74,1118
Unknown	188	12349	1,14571	75,2575
Missing	4060	16409	24,74252	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29,27130	9,982204	14,00000	71,00000	15717	692



General Verbal Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	9118	9118	55,59756	55,5976
F	7192	16310	43,85366	99,4512
U	90	16400	0,54878	100,0000
Missing	0	16400	0,00000	100,0000

Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	5326	5326	32,47561	32,4756
Post Graduate	568	5894	3,46341	35,9390
Unknown	147	6041	0,89634	36,8354
Tertiary	3247	9288	19,79878	56,6341
< Matric	2367	11655	14,43293	71,0671
Missing	4745	16400	28,93293	100,0000

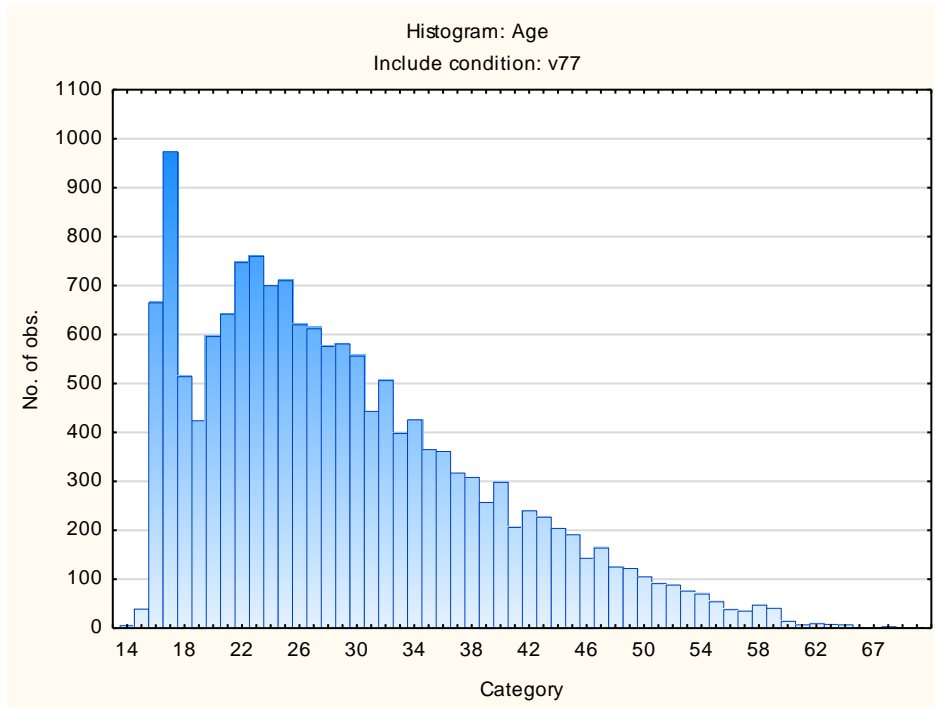
Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Other	769	769	4,68902	4,6890
English	3180	3949	19,39024	24,0793
isiZulu	2111	6060	12,87195	36,9512
Afrikaans	1832	7892	11,17073	48,1220
isiXhosa	1100	8992	6,70732	54,8293

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Sesotho	880	9872	5,36585	60,1951
Sepedi	897	10769	5,46951	65,6646
Setswana	760	11529	4,63415	70,2988
Xitsonga	252	11781	1,53659	71,8354
Tshivenda	158	11939	0,96341	72,7988
siSwati	214	12153	1,30488	74,1037
isiNdebele	75	12228	0,45732	74,5610
Missing	4172	16400	25,43902	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	6447	6447	39,31098	39,3110
Afrikaans	1832	8279	11,17073	50,4817
English	3180	11459	19,39024	69,8720
Other	769	12228	4,68902	74,5610
Missing	4172	16400	25,43902	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	7406	7406	45,15854	45,1585
Asian	1042	8448	6,35366	51,5122
Coloured	1232	9680	7,51220	59,0244
European	2466	12146	15,03659	74,0610
Indian	6	12152	0,03659	74,0976
Unknown	188	12340	1,14634	75,2439
Missing	4060	16400	24,75610	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29,25797	9,984034	14,00000	71,00000	15719	681



Cronbach Coefficient Alpha for the General Reasoning Test Battery Subtests:

Subtest	Cronbach Coefficient Alpha
General Abstract Reasoning Test	0.84
General Numerical Reasoning Test	0.85
General Verbal Reasoning Test	0.85