

General Reasoning Test Battery Reliability: South Africans, Afrikaans speaking, updated 2011

Sample composition

The sample consisted of South Africans with Afrikaans as home language, tested by Psytech SA and collaborators in the period up to February 2011. Because not all respondents completed the whole General Reasoning Test Battery, biographical information is reported separately for the different subtests.

Sample composition - General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	561	561	29.84043	29.8404
M	1313	1874	69.84043	99.6809
Missing	6	1880	0.31915	100.0000

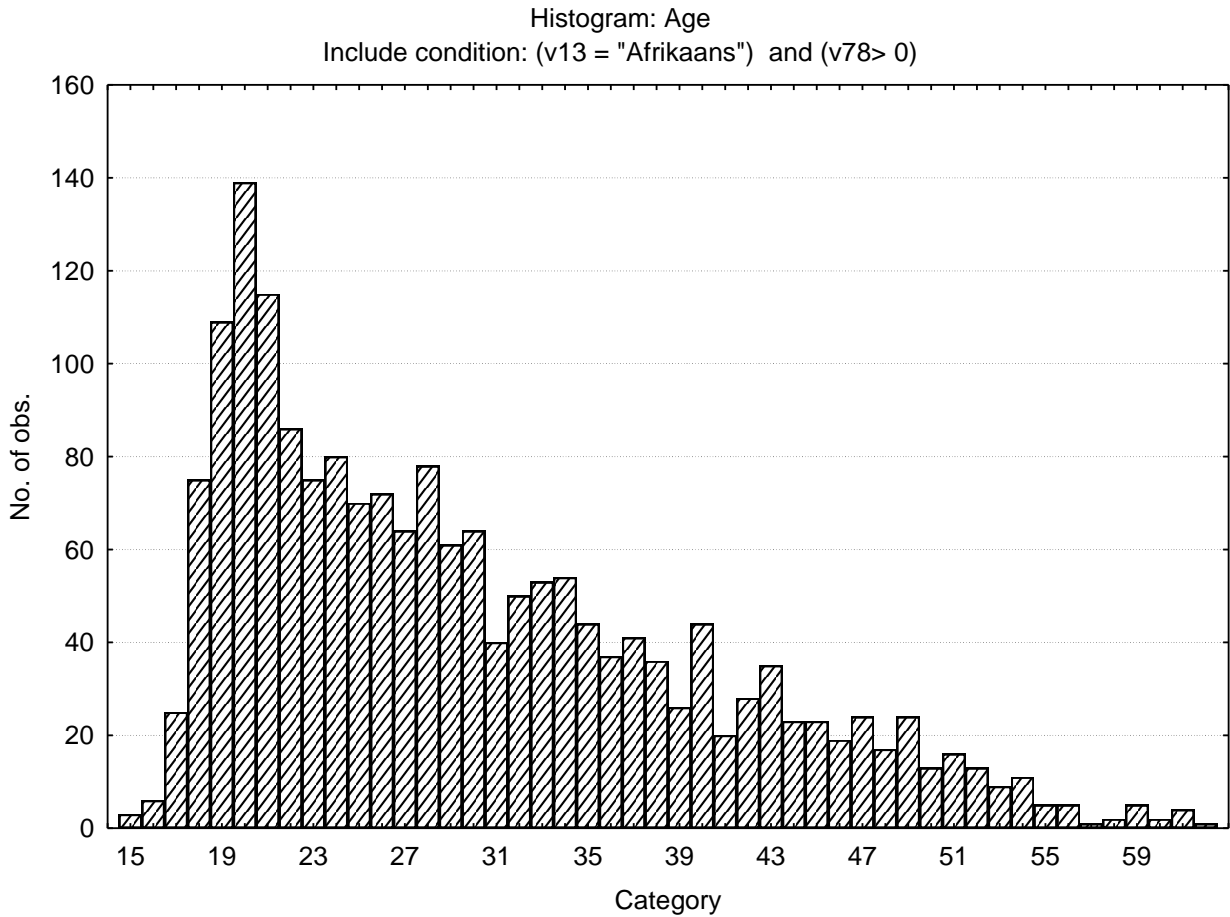
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Technikon	277	277	14.73404	14.7340
Grade 12	854	1131	45.42553	60.1596
University Diploma	57	1188	3.03191	63.1915
Degree	113	1301	6.01064	69.2021
Vocational Training	51	1352	2.71277	71.9149
Grade 10 or 11	146	1498	7.76596	79.6809
Grade 8	1	1499	0.05319	79.7340
Grade 9	3	1502	0.15957	79.8936
Post Graduate	57	1559	3.03191	82.9255
Missing	321	1880	17.07447	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	1880	1880	100.0000	100.0000
Missing	0	1880	0.0000	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	1880	1880	100.0000	100.0000
Missing	0	1880	0.0000	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	63	63	3.35106	3.3511
European	1305	1368	69.41489	72.7660
Coloured	454	1822	24.14894	96.9149
Asian	1	1823	0.05319	96.9681
Missing	57	1880	3.03191	100.0000

Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29.84353	9.945948	15.00000	71.00000	1847	33



Sample composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	564	564	29.73115	29.7312
M	1327	1891	69.95256	99.6837
Missing	6	1897	0.31629	100.0000

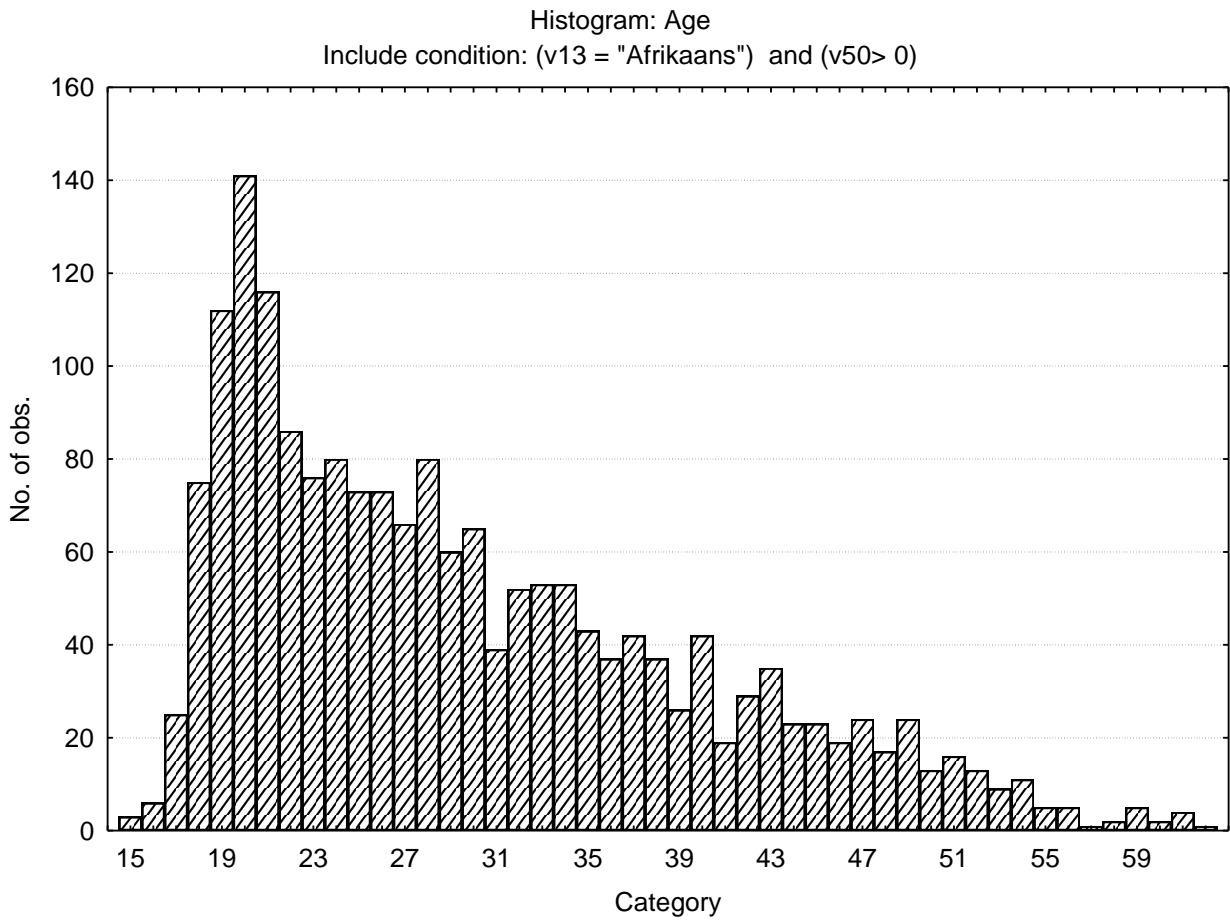
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Technikon	275	275	14.49657	14.4966
Grade 12	872	1147	45.96732	60.4639
University Diploma	57	1204	3.00474	63.4686
Degree	113	1317	5.95677	69.4254
Vocational Training	50	1367	2.63574	72.0611
Grade 10 or 11	146	1513	7.69636	79.7575
Grade 8	1	1514	0.05271	79.8102
Grade 9	3	1517	0.15814	79.9684
Post Graduate	57	1574	3.00474	82.9731
Missing	323	1897	17.02688	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	1897	1897	100.0000	100.0000
Missing	0	1897	0.0000	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	1897	1897	100.0000	100.0000
Missing	0	1897	0.0000	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	62	62	3.26832	3.2683
European	1308	1370	68.95098	72.2193
Coloured	463	1833	24.40696	96.6263
Asian	1	1834	0.05271	96.6790
Missing	63	1897	3.32103	100.0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29.78721	9.926659	15.00000	71.00000	1861	36



Sample Composition: General Abstract Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	587	587	29.76673	29.7667
M	1378	1965	69.87830	99.6450
Missing	7	1972	0.35497	100.0000

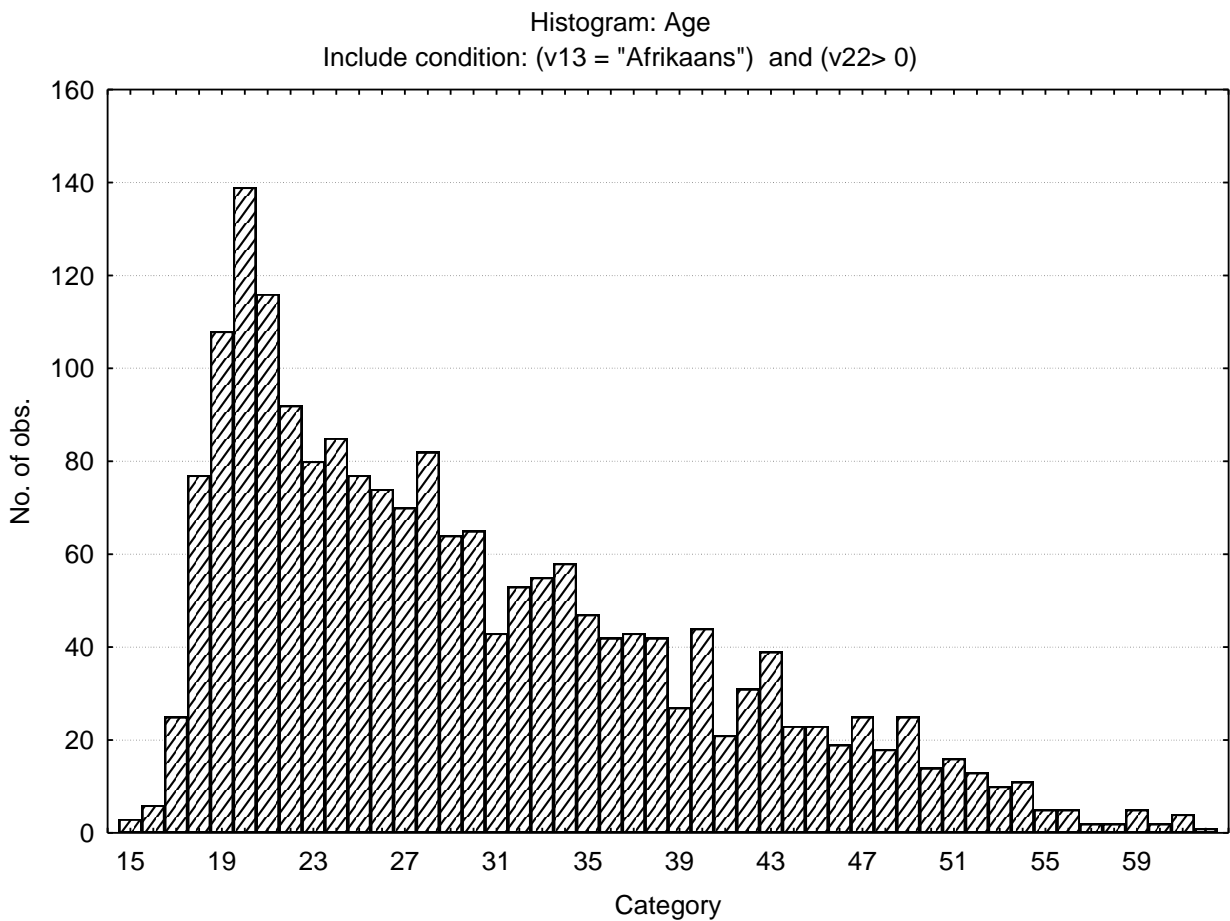
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Technikon	287	287	14.55375	14.5538
Grade 12	894	1181	45.33469	59.8884
University Diploma	60	1241	3.04260	62.9310
Degree	133	1374	6.74442	69.6755
Vocational Training	51	1425	2.58621	72.2617
Grade 10 or 11	147	1572	7.45436	79.7160
Grade 8	1	1573	0.05071	79.7667
Grade 9	3	1576	0.15213	79.9189
Post Graduate	71	1647	3.60041	83.5193
Missing	325	1972	16.48073	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	1972	1972	100.0000	100.0000
Missing	0	1972	0.0000	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	1972	1972	100.0000	100.0000
Missing	0	1972	0.0000	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	65	65	3.29615	3.2961
European	1382	1447	70.08114	73.3773
Coloured	466	1913	23.63083	97.0081
Asian	1	1914	0.05071	97.0588
Missing	58	1972	2.94118	100.0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29.93475	9.889540	15.00000	71.00000	1931	41



Internal consistency reliabilities for General Reasoning Test Battery subtests

	Cronbach Coefficient Alpha
General Verbal Reasoning Test	.82
General Numerical Reasoning Test	.86
General Abstract Reasoning Test	.82