

General Reasoning Test Battery Reliability: South Africans, race Coloured, updated 2011

Sample composition

The sample consisted of South Africans belonging to the Coloured race group, tested by Psytech South Africa and collaborators during the period leading up to February 2011. Since not all the respondents completed all the subtests in the General Reasoning Test Battery, the sample composition is reported separately for the three subtests.

Sample composition: General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	401	401	32.13141	32.1314
M	845	1246	67.70833	99.8397
Missing	2	1248	0.16026	100.0000

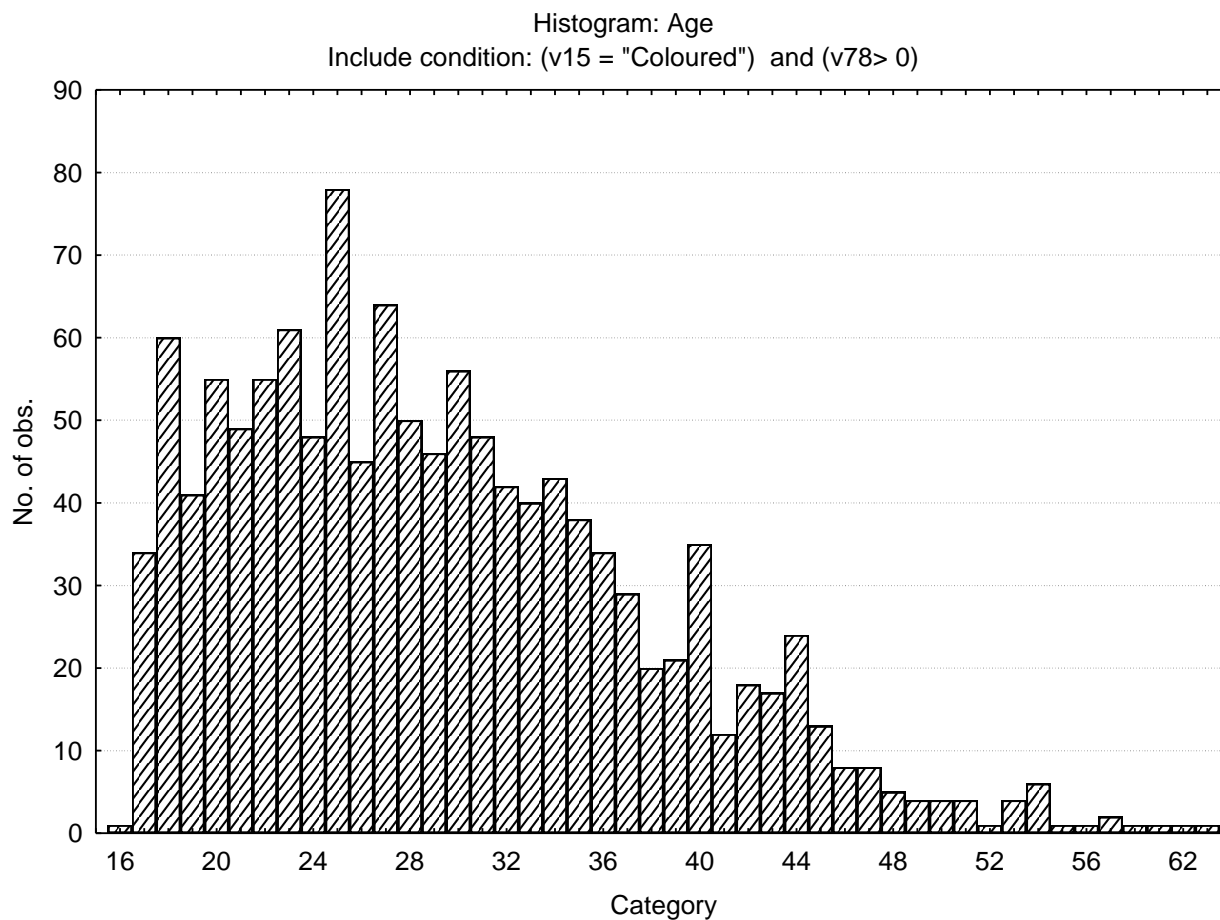
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Technikon	179	179	14.34295	14.3429
Grade 12	557	736	44.63141	58.9744
University Diploma	39	775	3.12500	62.0994
Degree	92	867	7.37179	69.4712
Vocational Training	45	912	3.60577	73.0769
Grade 10 or 11	135	1047	10.81731	83.8942
Grade 8	1	1048	0.08013	83.9744
Grade 9	5	1053	0.40064	84.3750
Grade 7	2	1055	0.16026	84.5353
Post Graduate	43	1098	3.44551	87.9808
Missing	150	1248	12.01923	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	4	4	0.32051	0.3205
English	715	719	57.29167	57.6122
Afrikaans	454	1173	36.37821	93.9904
Setswana	3	1176	0.24038	94.2308
Sesotho	1	1177	0.08013	94.3109
isiXhosa	9	1186	0.72115	95.0321
Missing	62	1248	4.96795	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
English	715	715	57.29167	57.2917
Afrikaans	454	1169	36.37821	93.6699
Indigenous	17	1186	1.36218	95.0321
Missing	62	1248	4.96795	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
Coloured	1248	1248	100.0000	100.0000
Missing	0	1248	0.0000	100.0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29.36697	8.546743	16.00000	63.00000	1229	19



Sample composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	401	401	31.90135	31.9014
M	854	1255	67.93954	99.8409
Missing	2	1257	0.15911	100.0000

Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Technikon	179	179	14.24025	14.2403
Grade 12	567	746	45.10740	59.3477
University Diploma	39	785	3.10263	62.4503
Degree	92	877	7.31901	69.7693
Vocational Training	44	921	3.50040	73.2697
Grade 10 or 11	135	1056	10.73986	84.0095
Grade 8	1	1057	0.07955	84.0891
Grade 9	5	1062	0.39777	84.4869
Grade 7	2	1064	0.15911	84.6460
Post Graduate	43	1107	3.42084	88.0668
Missing	150	1257	11.93317	100.0000

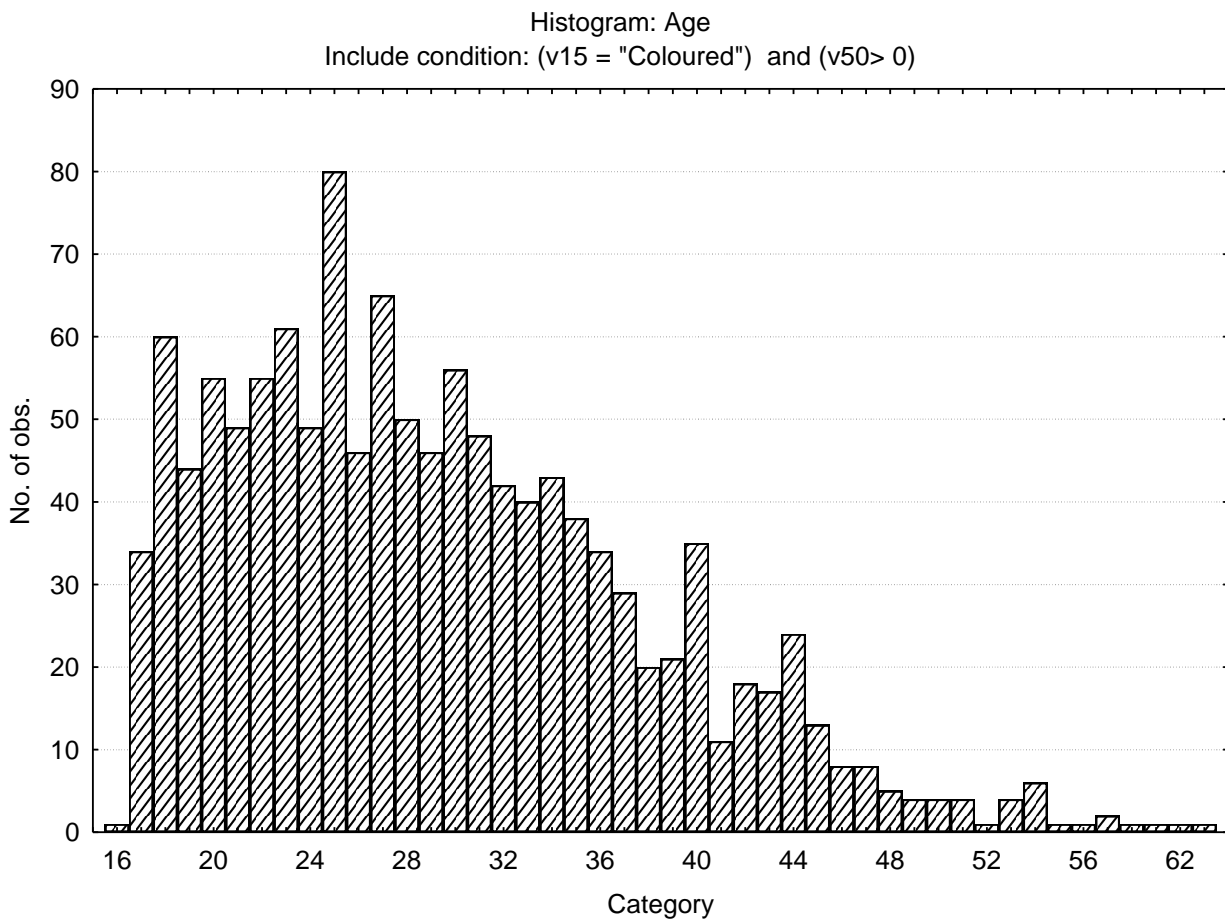
Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	4	4	0.31822	0.3182
English	716	720	56.96102	57.2792
Afrikaans	463	1183	36.83373	94.1130
Setswana	3	1186	0.23866	94.3516
Sesotho	1	1187	0.07955	94.4312
isiXhosa	9	1196	0.71599	95.1472
Missing	61	1257	4.85282	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
English	716	716	56.96102	56.9610
Afrikaans	463	1179	36.83373	93.7947
Indigenous	17	1196	1.35243	95.1472
Missing	61	1257	4.85282	100.0000

Frequency table: Race				
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Category	Count	Cumulative Count	Percent	Cumulative Percent
Coloured	1257	1257	100.0000	100.0000
Missing	0	1257	0.0000	100.0000

Variable	Descriptive Statistics : Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29.31634	8.535200	16.00000	63.00000	1236	21



Sample composition: General Abstract Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	421	421	32.33487	32.3349
M	879	1300	67.51152	99.8464
Missing	2	1302	0.15361	100.0000

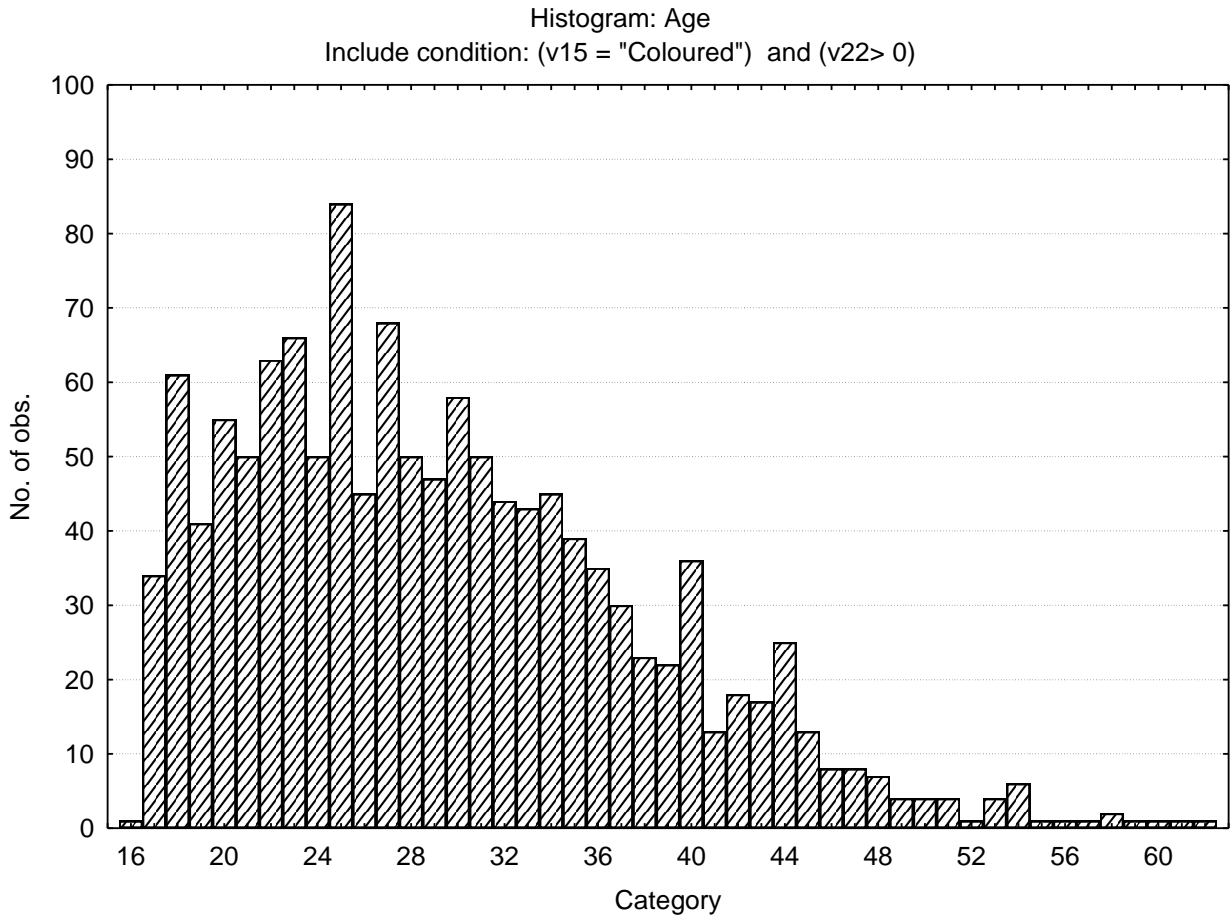
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Technikon	191	191	14.66974	14.6697
Grade 12	573	764	44.00922	58.6790
University Diploma	41	805	3.14900	61.8280
Degree	102	907	7.83410	69.6621
Vocational Training	46	953	3.53303	73.1951
Grade 10 or 11	135	1088	10.36866	83.5637
Grade 8	1	1089	0.07680	83.6406
Grade 9	6	1095	0.46083	84.1014
Grade 7	2	1097	0.15361	84.2550
Post Graduate	51	1148	3.91705	88.1720
Missing	154	1302	11.82796	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	4	4	0.30722	0.3072
English	756	760	58.06452	58.3717
Afrikaans	466	1226	35.79109	94.1628
Setswana	3	1229	0.23041	94.3932
Sesotho	1	1230	0.07680	94.4700
isiXhosa	9	1239	0.69124	95.1613
Missing	63	1302	4.83871	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
English	756	756	58.06452	58.0645
Afrikaans	466	1222	35.79109	93.8556
Indigenous	17	1239	1.30568	95.1613
Missing	63	1302	4.83871	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
Coloured	1302	1302	100.0000	100.0000
Missing	0	1302	0.0000	100.0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29.39032	8.533246	16.00000	63.00000	1281	21



Internal Consistency Reliabilities for General Reasoning Test Battery subtests

	Cronbach Coefficient Alpha
General Verbal Reasoning Test	.80
General Numerical Reasoning Test	.84
General Abstract Reasoning Test	.80