

# General Reasoning Test Battery Reliability: South Africans, English speaking, Updated 2011

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## Sample composition

The sample consisted of South Africans tested by Psytech South Africa and collaborators during the period up to February 2011. Since not all respondents completed all the subtests of the General Reasoning Test Battery, biographical characteristics are reported separately for the different subtests.

## Sample composition: General Verbal Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	1013	1013	37.32498	37.3250
M	1698	2711	62.56448	99.8895
Missing	3	2714	0.11054	100.0000

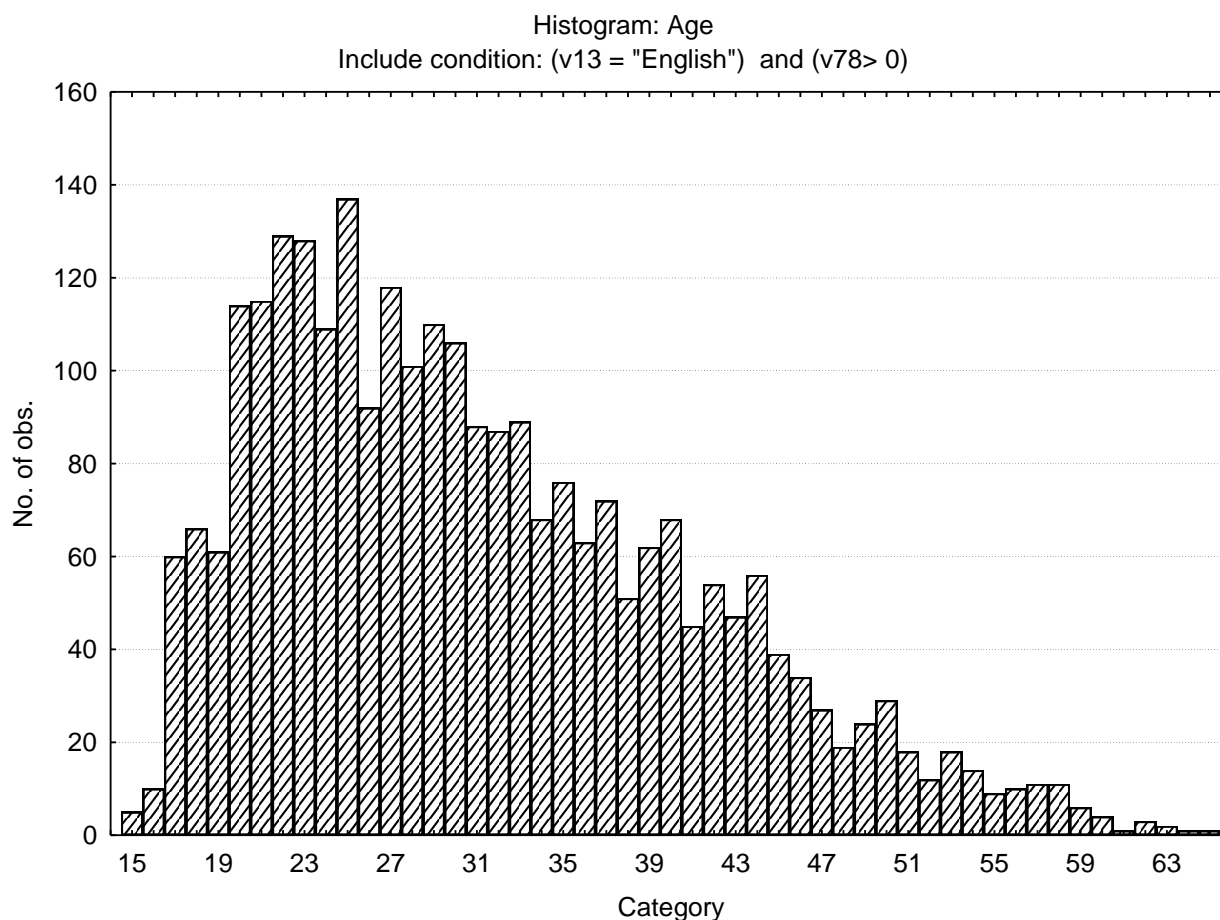
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Technikon	372	372	13.70671	13.7067
Grade 12	1127	1499	41.52542	55.2321
University Diploma	98	1597	3.61091	58.8430
Degree	280	1877	10.31688	69.1599
Vocational Training	102	1979	3.75829	72.9182
Grade 10 or 11	196	2175	7.22181	80.1400
Grade 8	7	2182	0.25792	80.3979
Grade 9	13	2195	0.47900	80.8769
Grade 7	1	2196	0.03685	80.9138
Post Graduate	168	2364	6.19013	87.1039
Missing	350	2714	12.89609	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
English	2714	2714	100.0000	100.0000
Missing	0	2714	0.0000	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
English	2714	2714	100.0000	100.0000
Missing	0	2714	0.0000	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	235	235	8.65881	8.6588
European	870	1105	32.05601	40.7148
Coloured	715	1820	26.34488	67.0597
Asian	806	2626	29.69786	96.7576
Missing	88	2714	3.24245	100.0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	31.23993	9.825060	15.00000	68.00000	2680	34



### Sample composition: General Numerical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	1012	1012	37.21957	37.2196
M	1704	2716	62.67010	99.8897
Missing	3	2719	0.11033	100.0000

Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Technikon	375	375	13.79184	13.7918
Grade 12	1137	1512	41.81684	55.6087
University Diploma	99	1611	3.64104	59.2497
Degree	275	1886	10.11401	69.3637
Vocational Training	102	1988	3.75138	73.1151
Grade 10 or 11	197	2185	7.24531	80.3604
Grade 8	7	2192	0.25745	80.6179
Grade 9	13	2205	0.47812	81.0960

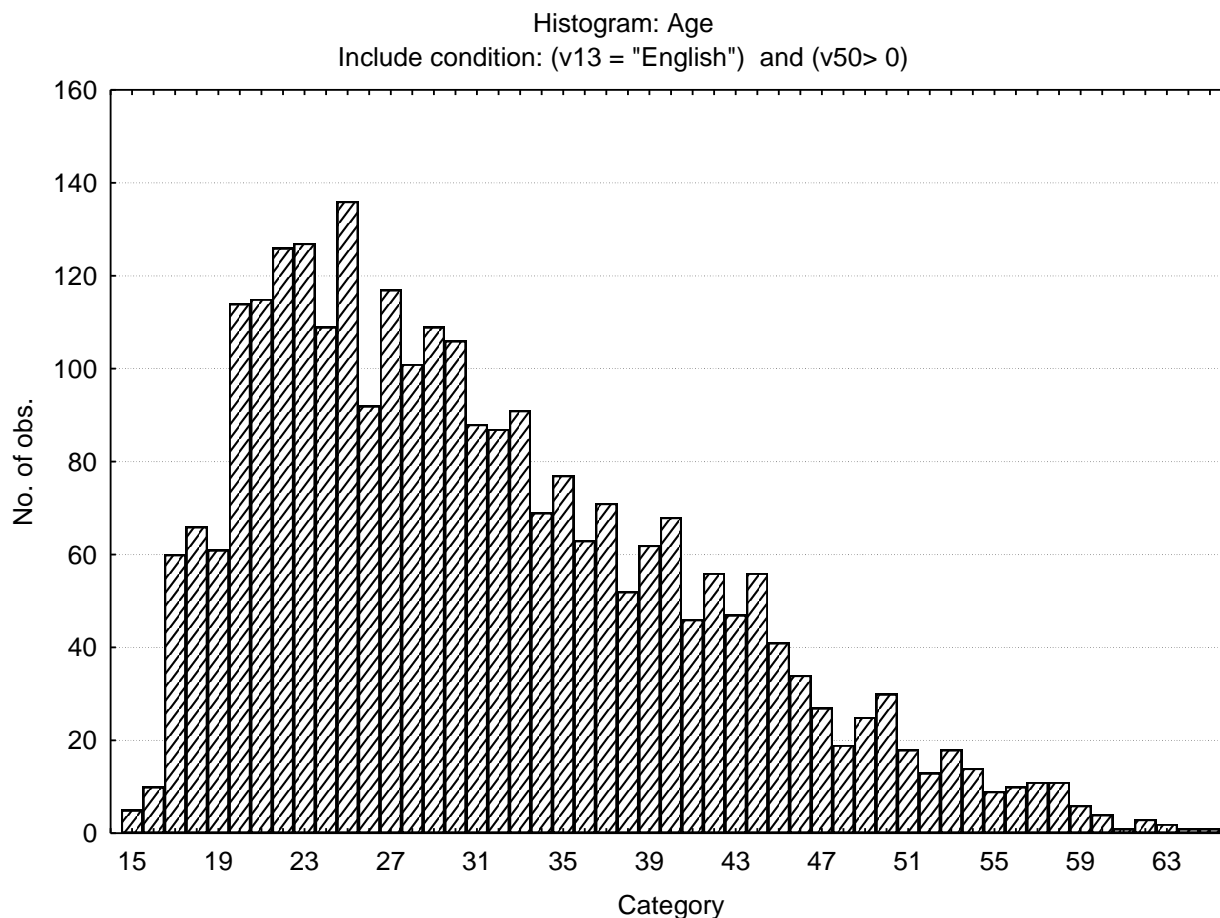
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 7	1	2206	0.03678	81.1328
Post Graduate	163	2369	5.99485	87.1276
Missing	350	2719	12.87238	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
English	2719	2719	100.0000	100.0000
Missing	0	2719	0.0000	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
English	2719	2719	100.0000	100.0000
Missing	0	2719	0.0000	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	234	234	8.60611	8.6061
European	879	1113	32.32806	40.9342
Coloured	716	1829	26.33321	67.2674
Asian	801	2630	29.45936	96.7267
Missing	89	2719	3.27326	100.0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	31.30540	9.843325	15.00000	68.00000	2685	34



### Sample composition: General Abstract Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	1103	1103	34.07476	34.0748
M	2130	3233	65.80167	99.8764
Missing	4	3237	0.12357	100.0000

Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Technikon	468	468	14.45783	14.4578
Grade 12	1240	1708	38.30707	52.7649
University Diploma	117	1825	3.61446	56.3794
Degree	381	2206	11.77016	68.1495
Vocational Training	104	2310	3.21285	71.3624
Grade 10 or 11	211	2521	6.51838	77.8808
Grade 8	7	2528	0.21625	78.0970
Grade 9	15	2543	0.46339	78.5604

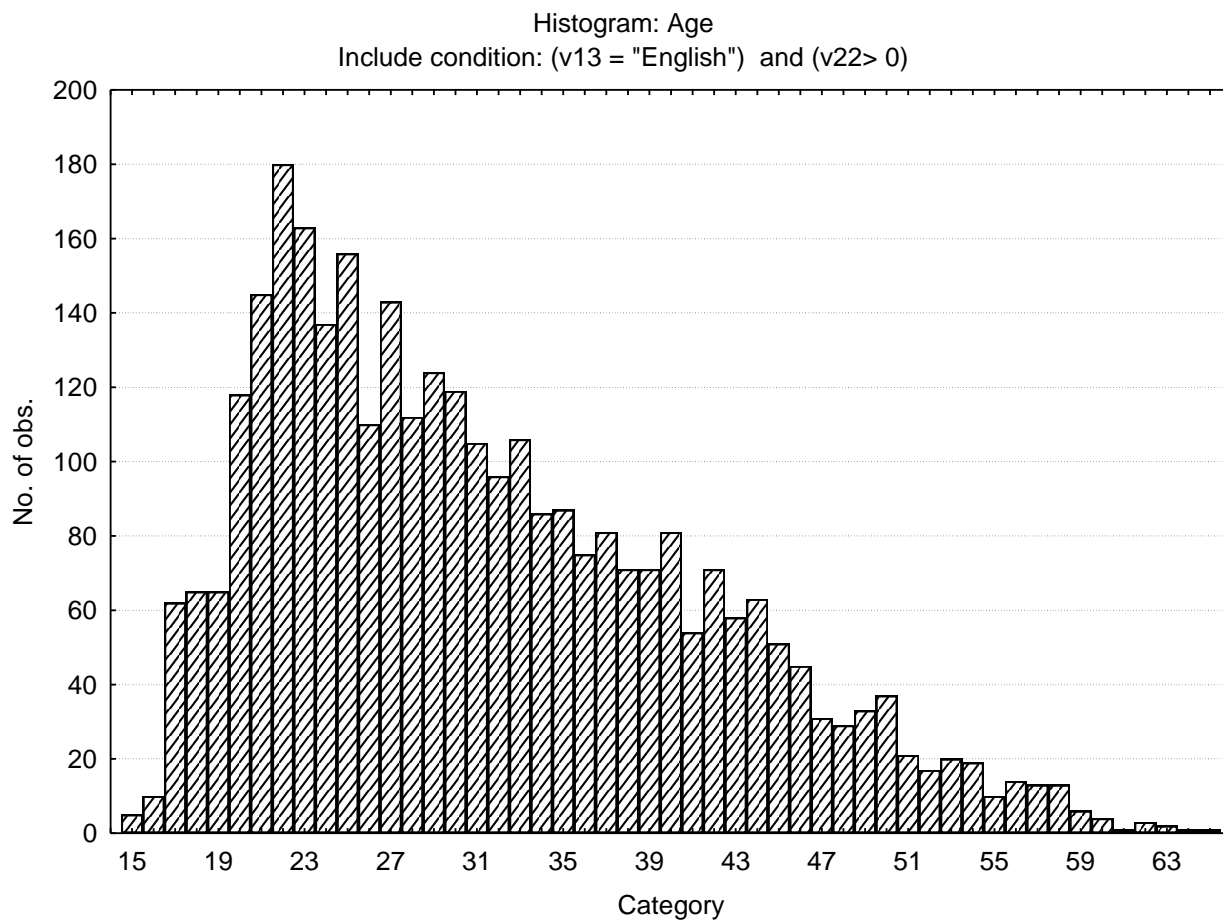
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 7	1	2544	0.03089	78.5913
Post Graduate	265	2809	8.18659	86.7779
Missing	428	3237	13.22212	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
English	3237	3237	100.0000	100.0000
Missing	0	3237	0.0000	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
English	3237	3237	100.0000	100.0000
Missing	0	3237	0.0000	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	252	252	7.78499	7.7850
European	1061	1313	32.77726	40.5622
Coloured	756	2069	23.35496	63.9172
Asian	1076	3145	33.24065	97.1579
Missing	92	3237	2.84214	100.0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	31.45204	9.838141	15.00000	68.00000	3190	47



### Internal consistency reliability for General Reasoning Test subtests

	Cronbach Coefficient Alpha
General Verbal Reasoning Test	.84
General Numerical Reasoning Test	.86
General Abstract Reasoning Test	.82