

Critical Reasoning Test Battery Reliability: South Africans of European race, updated 2010

Sample composition

The sample consisted of South Africans who described their race as European, tested by Psytech South Africa and collaborators during the period leading up to January 2010. Not all respondents completed both subtests in the Critical Reasoning Test Battery, therefore biographical particulars are reported separately for the Numerical Critical Reasoning Test and the Verbal Critical Reasoning Test,

Sample composition: Numerical Critical Reasoning Test Battery

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	706	706	69.48819	69.4882
F	306	1012	30.11811	99.6063
U	4	1016	0.39370	100.0000
Missing	0	1016	0.00000	100.0000

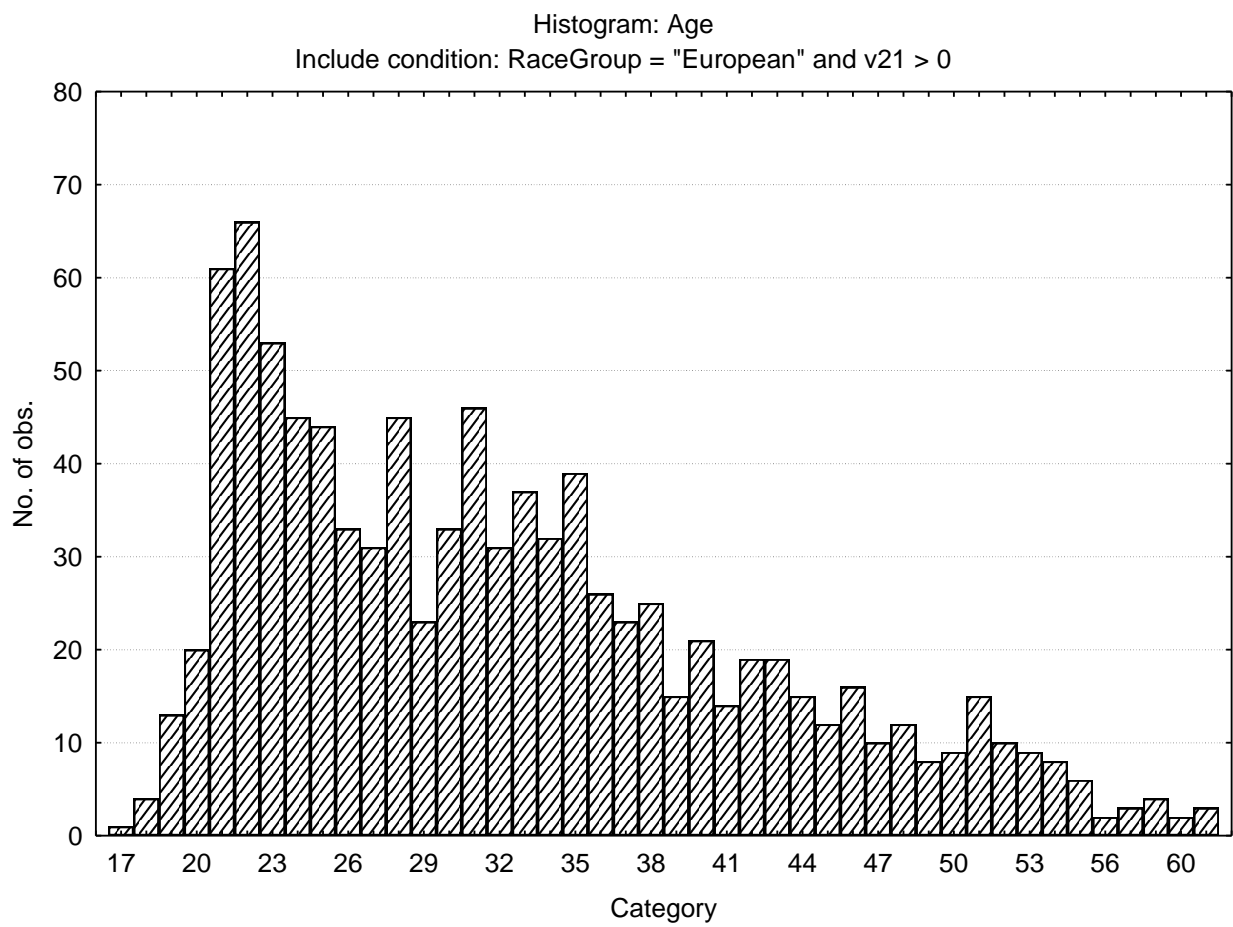
Category	Frequency table: Education Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Post Graduate	176	176	17.32283	17.3228
Diploma	186	362	18.30709	35.6299
Grade 12	226	588	22.24409	57.8740
Degree	235	823	23.12992	81.0039
<Grade 12	15	838	1.47638	82.4803
Vocational Training	25	863	2.46063	84.9409
Missing	153	1016	15.05906	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
English	553	553	54.42913	54.4291
Afrikaans	418	971	41.14173	95.5709
isiXhosa	2	973	0.19685	95.7677
Sepedi	1	974	0.09843	95.8661
siSwati	1	975	0.09843	95.9646
Missing	41	1016	4.03543	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
English	553	553	54.42913	54.4291
Indigenous	4	557	0.39370	54.8228
Afrikaans	418	975	41.14173	95.9646
Missing	41	1016	4.03543	100.0000

Category	Frequency table: Race Group			
	Count	Cumulative Count	Percent	Cumulative Percent
European	1016	1016	100.0000	100.0000
Missing	0	1016	0.0000	100.0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	32.28660	9.699588	17.00000	62.00000	963	53



Sample composition: Verbal Critical Reasoning Test

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	740	740	69.48357	69.4836
F	321	1061	30.14085	99.6244
U	4	1065	0.37559	100.0000
Missing	0	1065	0.00000	100.0000

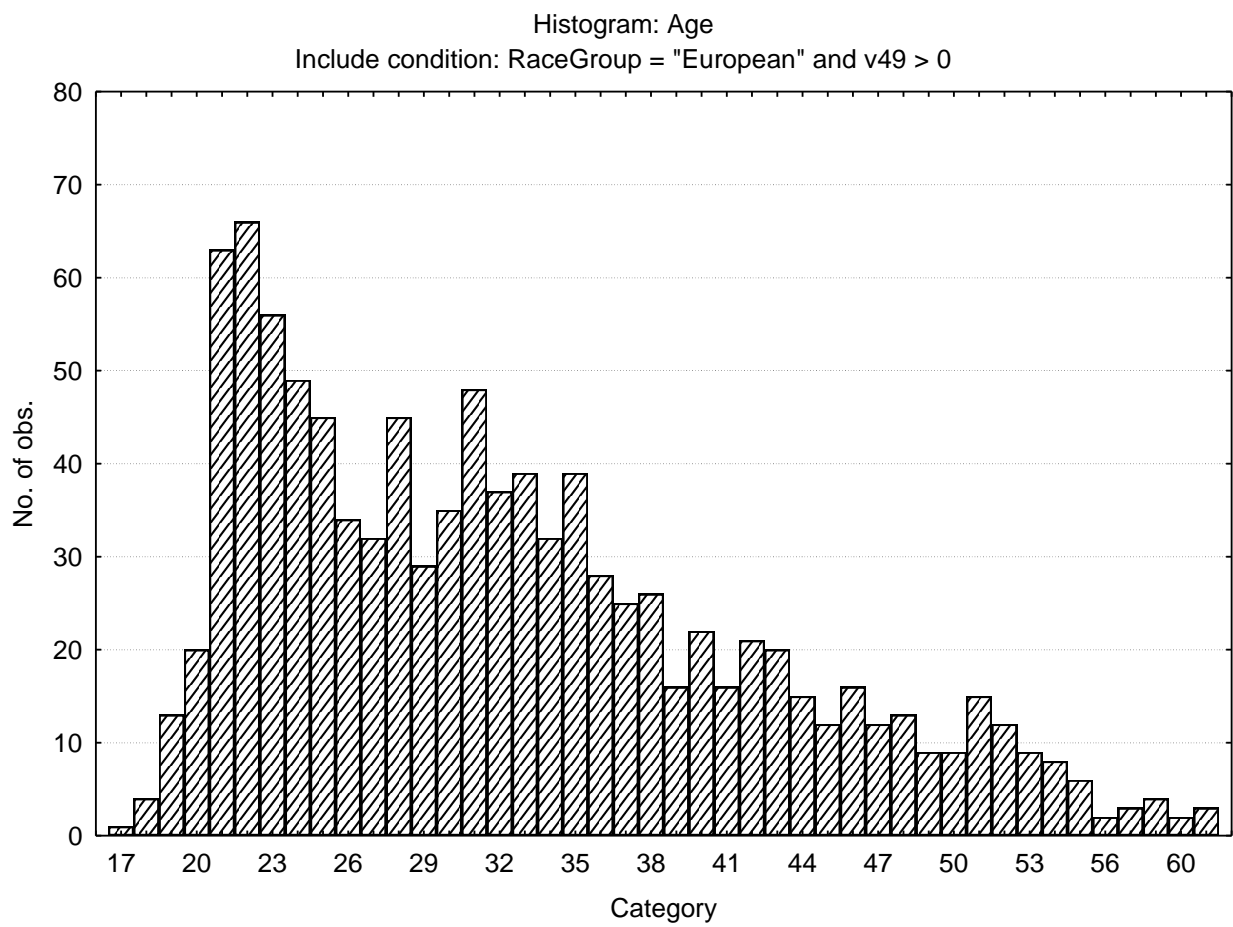
Category	Frequency table: Education Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Post Graduate	197	197	18.49765	18.4977
Diploma	198	395	18.59155	37.0892
Grade 12	226	621	21.22066	58.3099
Degree	254	875	23.84977	82.1596
<Grade 12	14	889	1.31455	83.4742
Vocational Training	25	914	2.34742	85.8216
Missing	151	1065	14.17840	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
English	571	571	53.61502	53.6150
Afrikaans	448	1019	42.06573	95.6808
isiXhosa	2	1021	0.18779	95.8685
Sepedi	1	1022	0.09390	95.9624
siSwati	1	1023	0.09390	96.0563
Missing	42	1065	3.94366	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
English	571	571	53.61502	53.6150
Indigenous	4	575	0.37559	53.9906
Afrikaans	448	1023	42.06573	96.0563
Missing	42	1065	3.94366	100.0000

Category	Frequency table: Race Group			
	Count	Cumulative Count	Percent	Cumulative Percent
European	1065	1065	100.0000	100.0000
Missing	0	1065	0.0000	100.0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	32.34224	9.641781	17.00000	62.00000	1011	54



Internal Consistency Reliability for Critical Reasoning Test Battery subtests

	Cronbach coefficient alpha
Numerical Critical Reasoning Test	.79
Verbal Critical Reasoning Test	.84