

Critical Reasoning Test Battery – item-banked (CRTBi) – Norm Group 2 South Africans, English Language Group, Updated 2021

Sample composition

The sample consisted of South Africans tested by Psytech South Africa and collaborators from June 2015 to March 2021. Since not all respondents completed all the subtests of the CRTBi, biographical characteristics are reported separately for the different subtests.

Critical Numerical Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	338	338	55.50082	55.5008
F	271	609	44.49918	100.0000
Missing	0	609	0.00000	100.0000

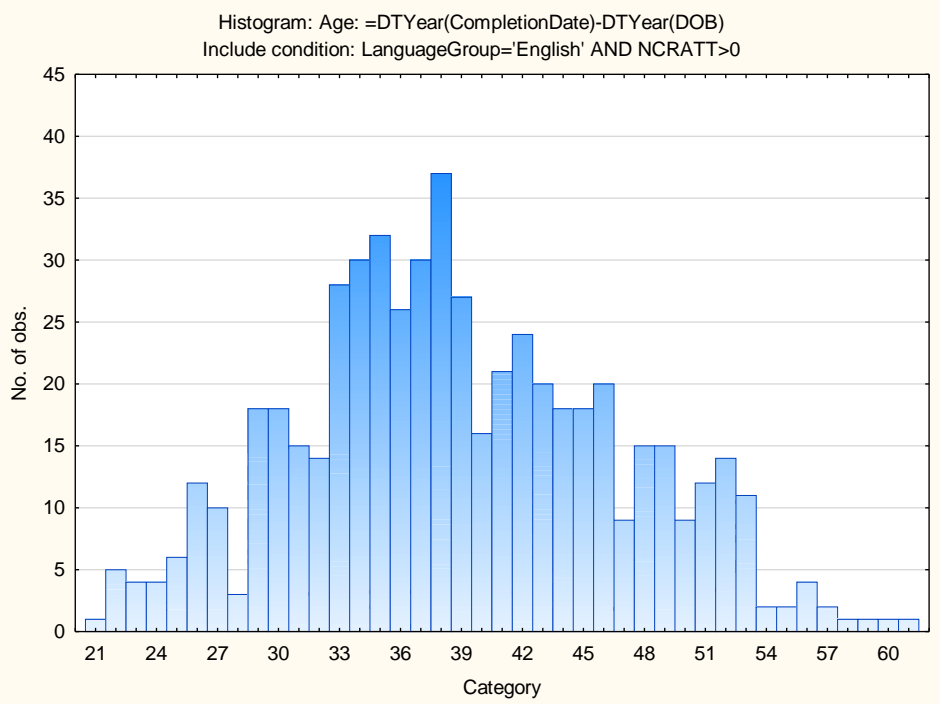
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	18	18	2.95567	2.9557
Post Graduate	266	284	43.67816	46.6338
Tertiary	265	549	43.51396	90.1478
Tertiary Cert / Trade	55	604	9.03120	99.1790
Missing	5	609	0.82102	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
European	72	72	11.82266	11.8227
Coloured	56	128	9.19540	21.0181
African	328	456	53.85878	74.8768
Indian	76	532	12.47947	87.3563
Asian	7	539	1.14943	88.5057
Missing	70	609	11.49425	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
English	609	609	100.0000	100.0000
Missing	0	609	0.0000	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
English	609	609	100.0000	100.0000
Missing	0	609	0.0000	100.0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	38.87590	7.832991	21.00000	61.00000	556	53



Critical Verbal Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	338	338	55.50082	55.5008
F	271	609	44.49918	100.0000
Missing	0	609	0.00000	100.0000

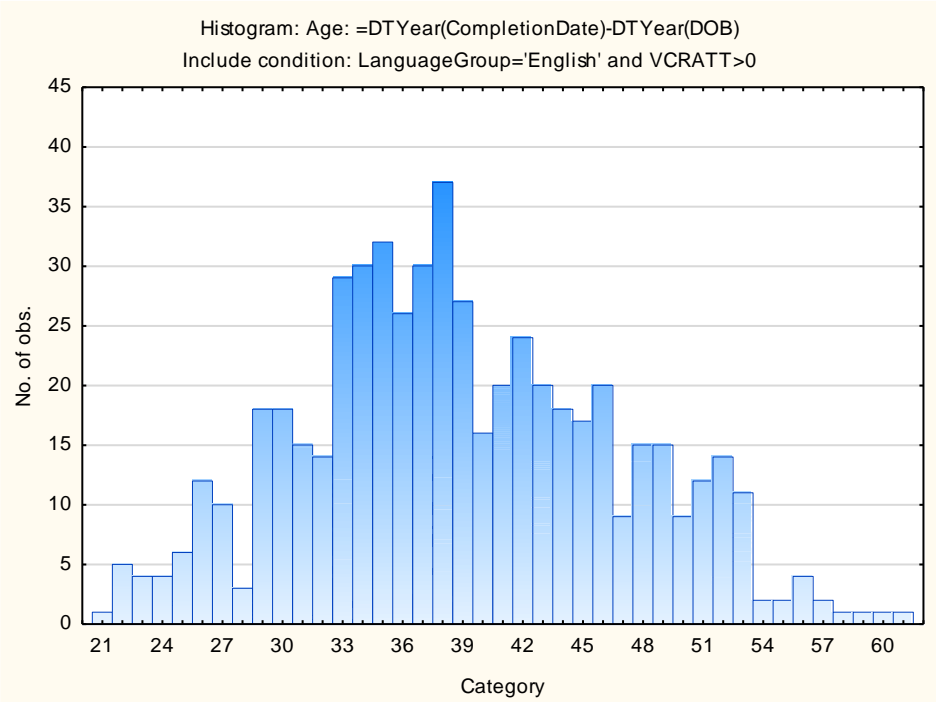
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	18	18	2.95567	2.9557
Post Graduate	265	283	43.51396	46.4696
Tertiary	266	549	43.67816	90.1478
Tertiary Cert / Trade	55	604	9.03120	99.1790
Missing	5	609	0.82102	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
European	72	72	11.82266	11.8227
Coloured	56	128	9.19540	21.0181
African	327	455	53.69458	74.7126
Indian	77	532	12.64368	87.3563
Asian	7	539	1.14943	88.5057
Missing	70	609	11.49425	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
English	609	609	100.0000	100.0000
Missing	0	609	0.0000	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
English	609	609	100.0000	100.0000
Missing	0	609	0.0000	100.0000

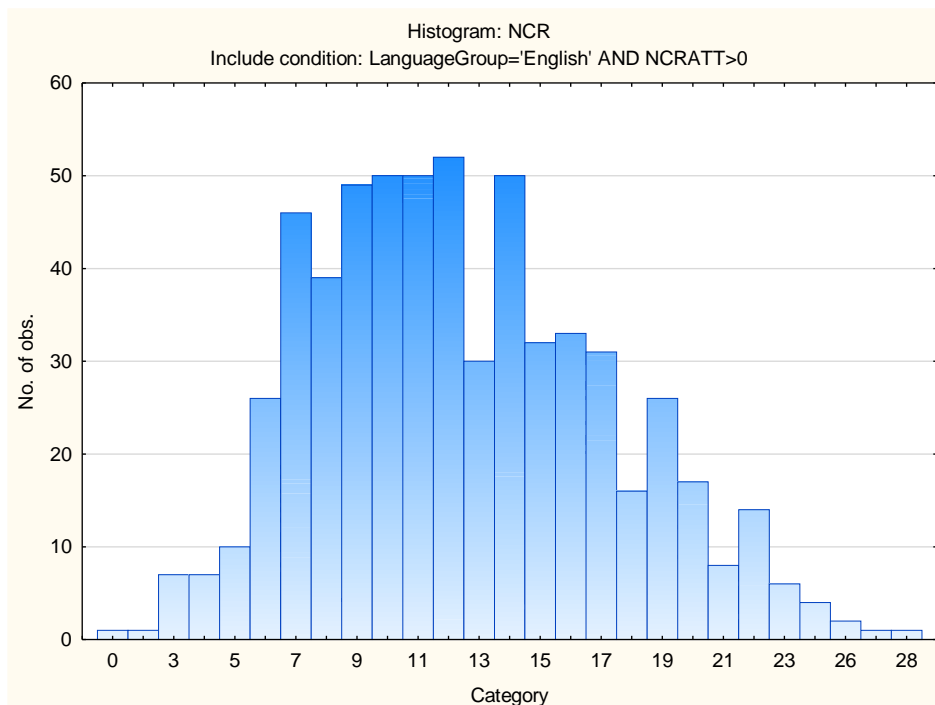
Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	38.85045	7.839153	21.00000	61.00000	555	54



Descriptive Statistics and Frequency Distributions on Critical Reasoning Test Battery Subtests

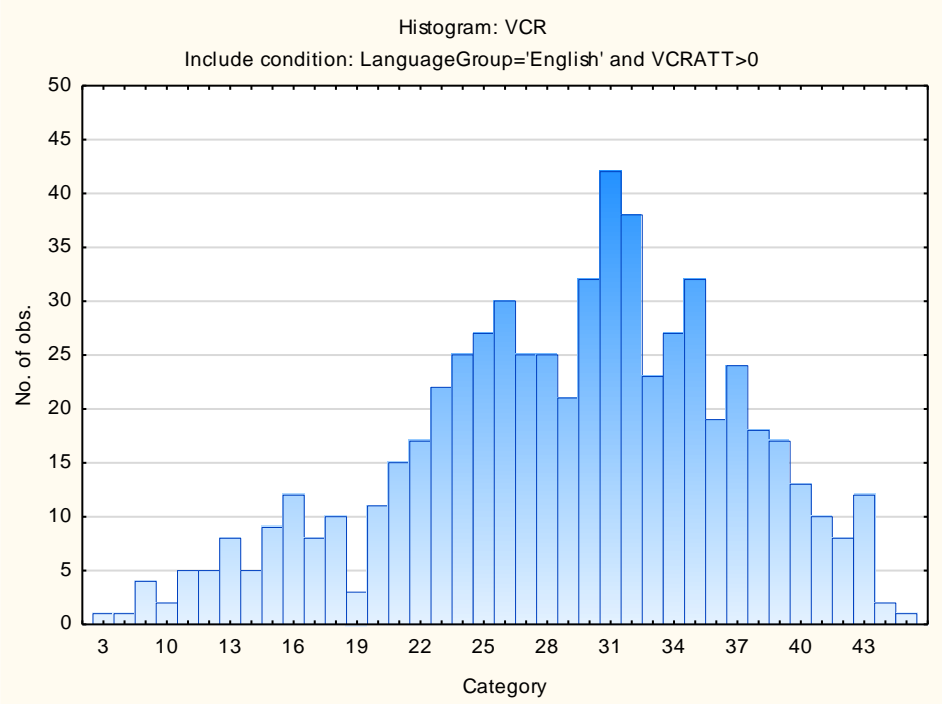
Critical Numerical Reasoning Test

Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
NCR	12.43514	4.822113	0.00	28.00000	609	0



Critical Verbal Reasoning Test

Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
VCR	28.93760	7.814211	3.000000	47.00000	609	0



Stanine table

Scales	Stanine Groups								
	S9_1	S9_2	S9_3	S9_4	S9_5	S9_6	S9_7	S9_8	S9_9
Critical Verbal Reasoning	3-15	16-19	20-23	24-26	27-30	31-34	35-38	39-42	43-47
Critical Numerical Reasoning	0-3	4-6	7-8	9-11	12-13	14-16	17-18	19-20	21-28