

Critical Reasoning Test Battery – item-banked (CRTBi) – Reliability Group 3 South Africans, Afrikaans 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	65	65	55.55556	55.5556
F	52	117	44.44444	100.0000
Missing	0	117	0.00000	100.0000

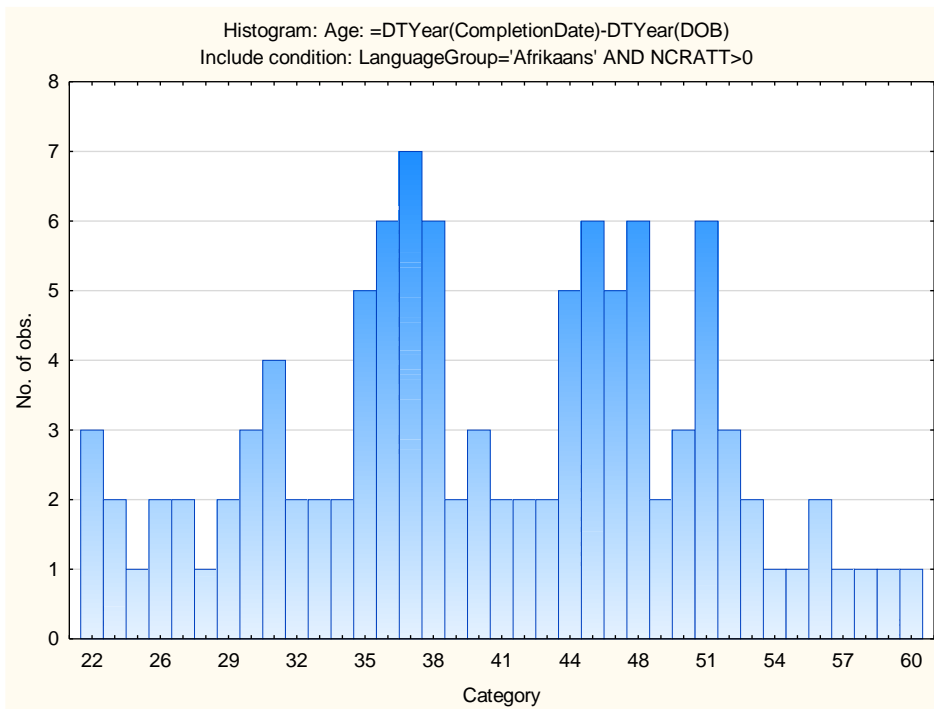
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	6	6	5.12821	5.1282
Post Graduate	37	43	31.62393	36.7521
Tertiary	60	103	51.28205	88.0342
Tertiary Cert / Trade	12	115	10.25641	98.2906
Missing	2	117	1.70940	100.0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
European	105	105	89.74359	89.7436
Coloured	4	109	3.41880	93.1624
African	5	114	4.27350	97.4359
Missing	3	117	2.56410	100.0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	117	117	100.0000	100.0000
Missing	0	117	0.0000	100.0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	117	117	100.0000	100.0000
Missing	0	117	0.0000	100.0000

Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	40.63551	9.299414	22.00000	60.00000	107	10



Critical Verbal Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	65	65	55.55556	55.5556
F	52	117	44.44444	100.0000
Missing	0	117	0.00000	100.0000

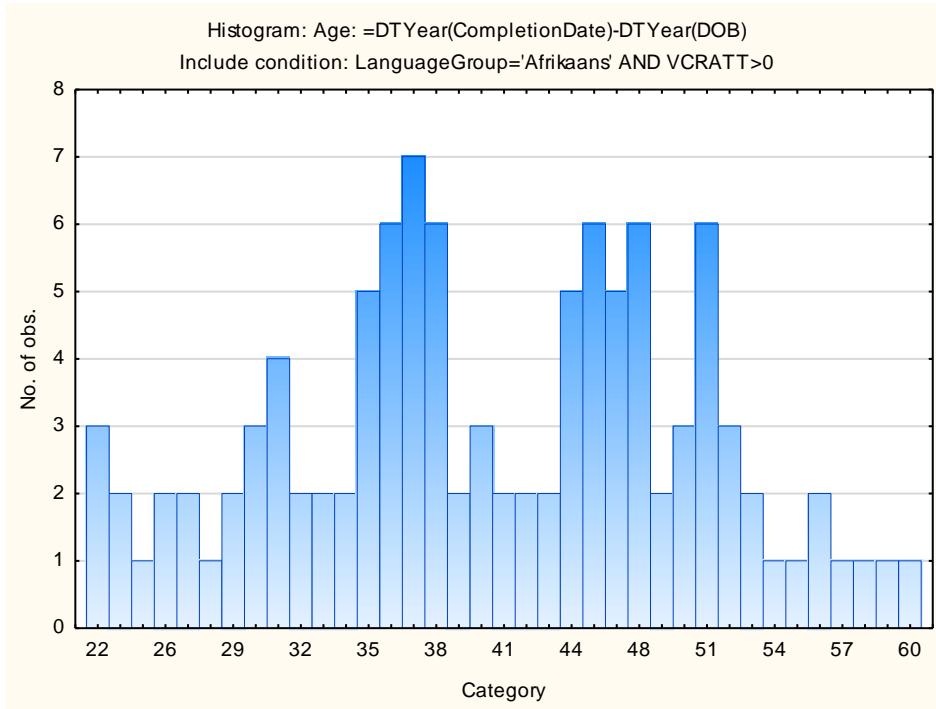
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
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Post Graduate	37	43	31.62393	36.7521
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	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	117	117	100.0000	100.0000
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Age	40.63551	9.299414	22.00000	60.00000	107	10



Internal Consistency Reliabilities for the Internet Critical Reasoning Test Battery Subtests

Subtest	Cronbach Coefficient Alpha
Critical Numerical Reasoning Test	0,810902
Critical Verbal Reasoning Test	0,875090