

Critical Reasoning Test (CRTB2)

Norm: South Africans, isiXhosa Language Group, Updated 2016

Sample composition

The sample consisted of South Africans tested by Psytech South Africa and collaborators during the period up to June 2015. Since not all respondents completed all the subtests of the Critical Reasoning Test Battery, 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
F	114	114	41,00719	41,0072
M	163	277	58,63309	99,6403
U	1	278	0,35971	100,0000
Missing	0	278	0,00000	100,0000

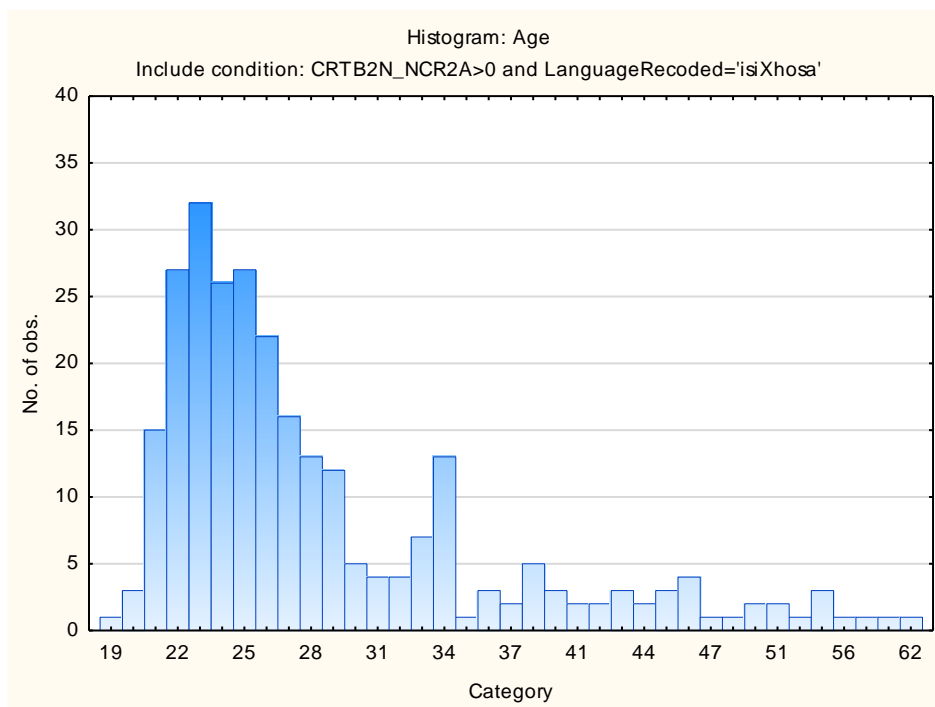
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	195	195	70,14388	70,1439
Post Graduate	59	254	21,22302	91,3669
Grade 12	12	266	4,31655	95,6835
Missing	12	278	4,31655	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiXhosa	278	278	100,0000	100,0000
Missing	0	278	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	278	278	100,0000	100,0000
Missing	0	278	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	273	273	98,20144	98,2014
Asian	2	275	0,71942	98,9209
European	2	277	0,71942	99,6403
Missing	1	278	0,35971	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	28,70849	8,260116	19,00000	62,00000	271	7



Critical Verbal Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	116	116	41,42857	41,4286
M	163	279	58,21429	99,6429
U	1	280	0,35714	100,0000
Missing	0	280	0,00000	100,0000

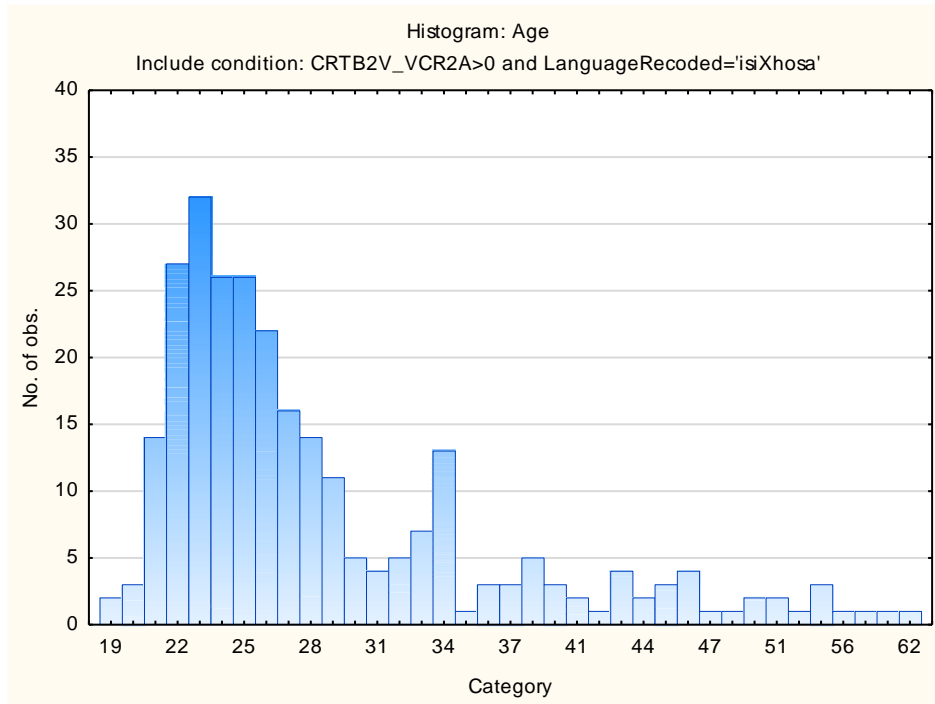
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	198	198	70,71429	70,7143
Post Graduate	59	257	21,07143	91,7857
Grade 12	10	267	3,57143	95,3571
< Matric	1	268	0,35714	95,7143
Missing	12	280	4,28571	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiXhosa	280	280	100,0000	100,0000
Missing	0	280	0,0000	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	280	280	100,0000	100,0000
Missing	0	280	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	273	273	97,50000	97,5000
Asian	3	276	1,07143	98,5714
European	2	278	0,71429	99,2857
Coloured	1	279	0,35714	99,6429
Missing	1	280	0,35714	100,0000

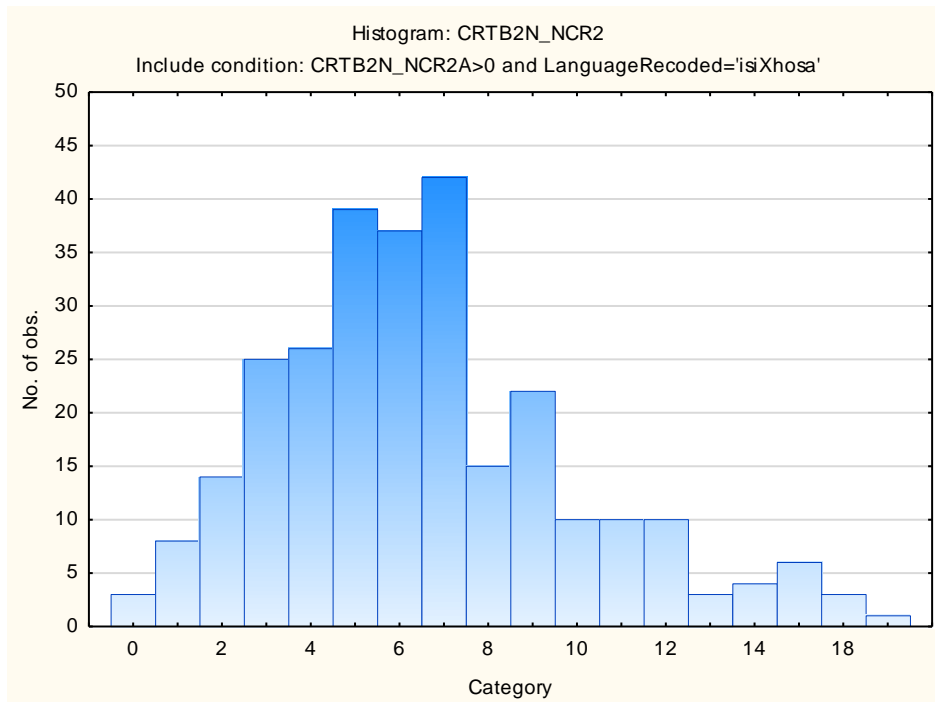
Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	28,75735	8,273459	19,00000	62,00000	272	8

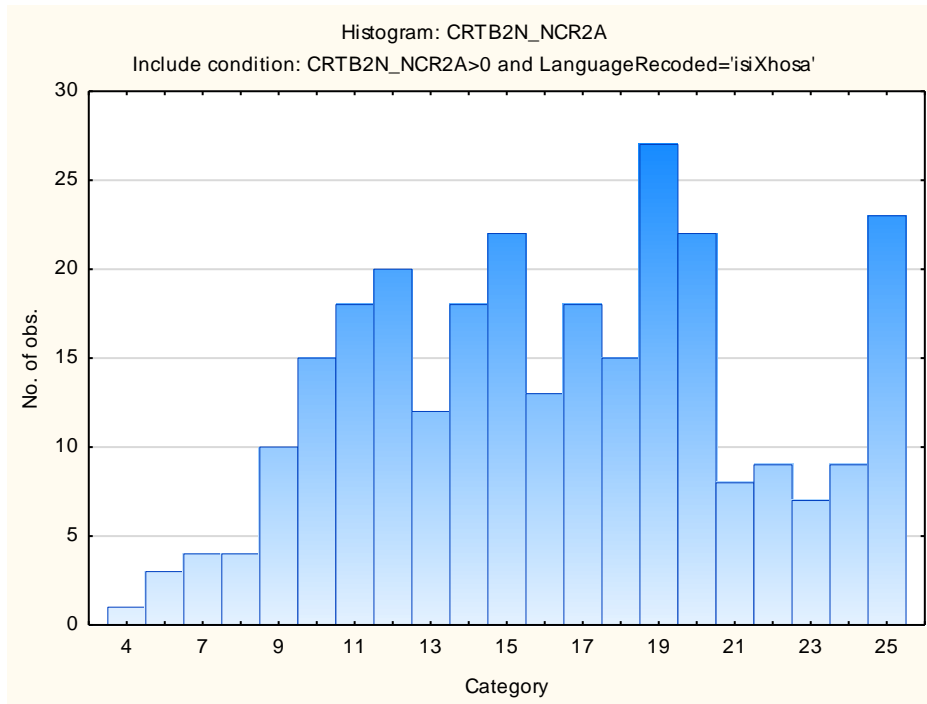


Descriptive statistics and frequency distributions on Critical Reasoning Test Battery subtests

Critical Numerical Reasoning Test

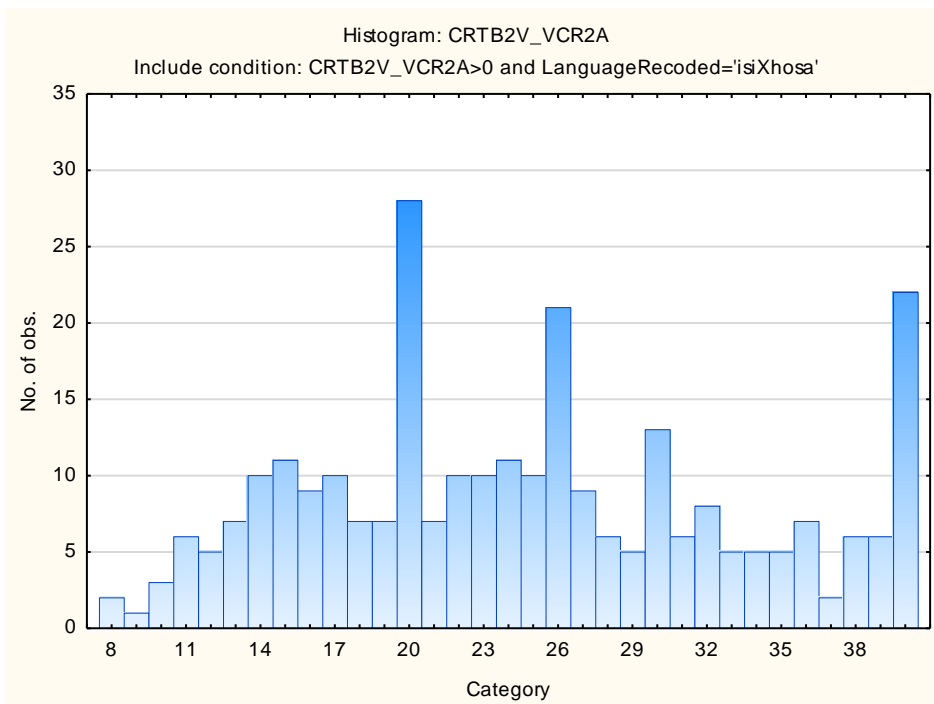
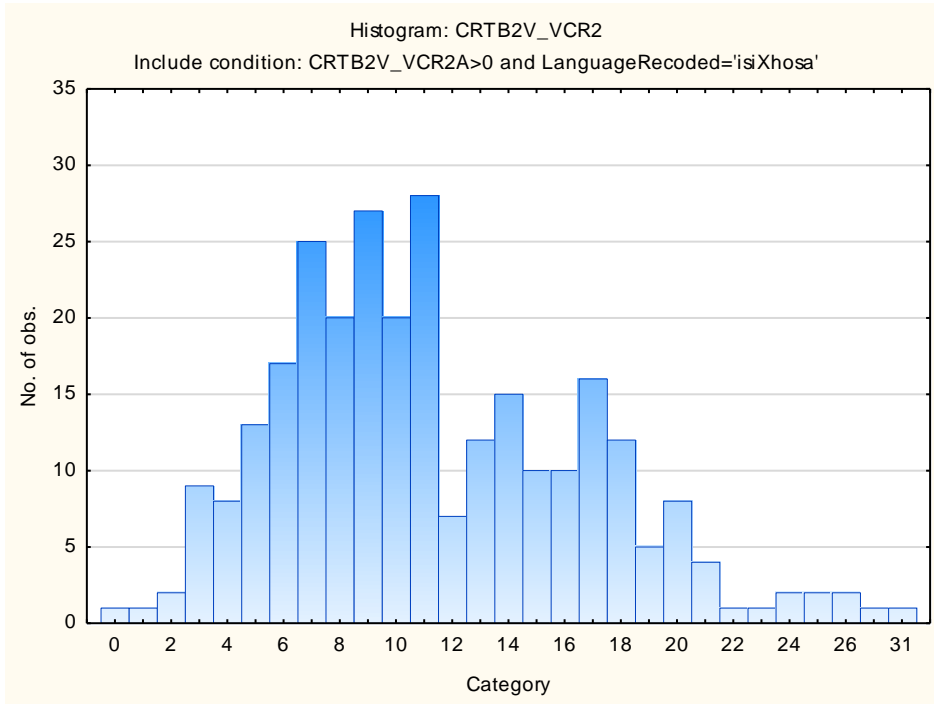
Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Critical Numerical Reasoning Test	6,59353	3,497843	0,000000	20,00000	278	0
Critical Numerical Reasoning Items Attempted	16,37770	5,014543	4,000000	25,00000	278	0





Critical Verbal Reasoning Test

Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Critical Verbal Reasoning Test	11,27500	5,409346	0,000000	31,00000	280	0
Critical Verbal Reasoning Items Attempted	24,76071	8,545255	8,000000	40,00000	280	0



Stanine table

Subtests	Stanine Groups								
	S9_1	S9_2	S9_3	S9_4	S9_5	S9_6	S9_7	S9_8	S9_9
Critical Numerical Reasoning	0-1	2-4	5-7	8-9	10-12	13-15	16-18	19-20	21-31
Critical Numerical Items Attempted	8-9	10-14	15-18	19-22	23-26	27-31	32-35	36-39	40-40
Critical Verbal Reasoning	0-0	1-2	3-3	4-5	6-7	8-9	10-10	11-12	13-20
Critical Verbal Items Attempted	4-7	8-10	11-12	13-15	16-17	18-20	21-22	23-25	