

Critical Reasoning Test (CRTB2)

Norm: South Africans, Indigenous 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	573	573	41,10473	41,1047
M	819	1392	58,75179	99,8565
U	2	1394	0,14347	100,0000
Missing	0	1394	0,00000	100,0000

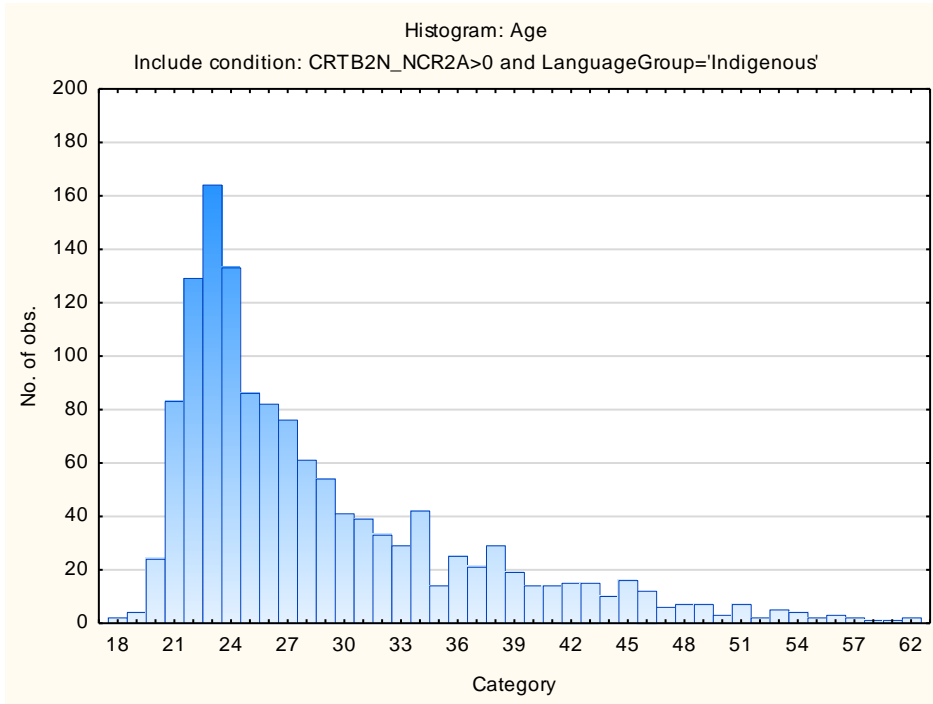
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	906	906	64,99283	64,9928
Post Graduate	250	1156	17,93400	82,9268
Grade 12	158	1314	11,33429	94,2611
< Matric	10	1324	0,71736	94,9785
Missing	70	1394	5,02152	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Xitsonga	58	58	4,16069	4,1607
Setswana	178	236	12,76901	16,9297
Sesotho	245	481	17,57532	34,5050
Sepedi	97	578	6,95839	41,4634
isiXhosa	278	856	19,94261	61,4060
isiZulu	436	1292	31,27690	92,6829
Tshivenda	63	1355	4,51937	97,2023
isiNdebele	17	1372	1,21951	98,4218
siSwati	22	1394	1,57819	100,0000
Missing	0	1394	0,00000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	1394	1394	100,0000	100,0000
Missing	0	1394	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	1377	1377	98,78049	98,7805
Asian	7	1384	0,50215	99,2826
European	7	1391	0,50215	99,7848
Coloured	1	1392	0,07174	99,8565
Missing	2	1394	0,14347	100,0000

Variable	Descriptive Statistics Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	28,73094	7,812554	18,00000	62,00000	1338	56



Critical Verbal Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	570	570	40,68522	40,6852
M	830	1400	59,24340	99,9286
U	1	1401	0,07138	100,0000
Missing	0	1401	0,00000	100,0000

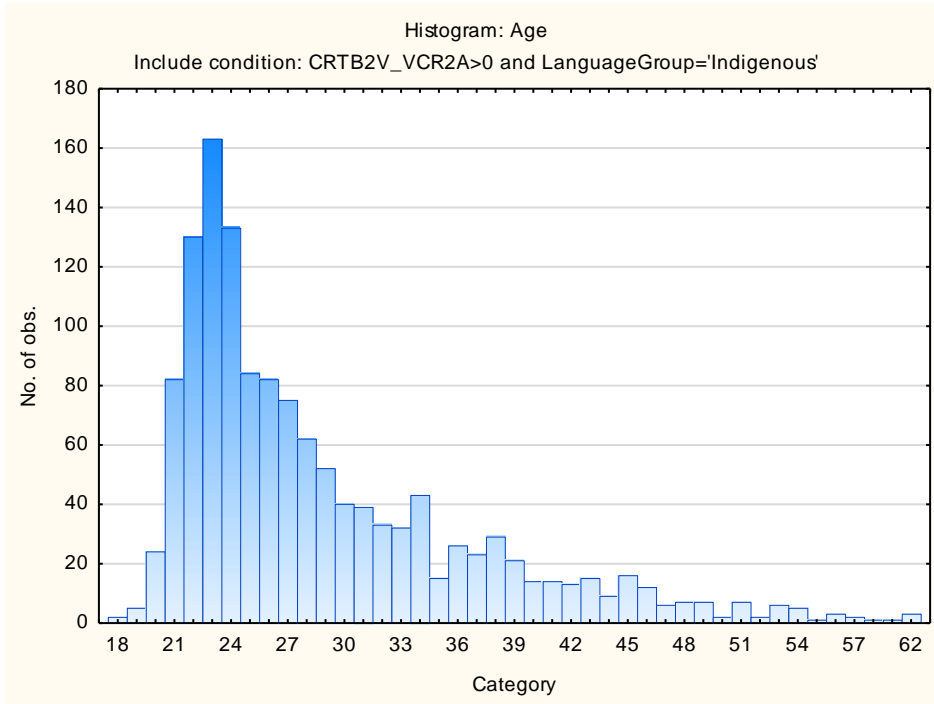
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	910	910	64,95360	64,9536
Post Graduate	261	1171	18,62955	83,5832
Grade 12	153	1324	10,92077	94,5039
< Matric	10	1334	0,71378	95,2177
Missing	67	1401	4,78230	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Xitsonga	59	59	4,21128	4,2113
Setswana	176	235	12,56246	16,7737
Sesotho	246	481	17,55889	34,3326
Sepedi	101	582	7,20914	41,5418
isiXhosa	280	862	19,98572	61,5275
isiZulu	436	1298	31,12063	92,6481
Tshivenda	64	1362	4,56817	97,2163
isiNdebele	17	1379	1,21342	98,4297
siSwati	22	1401	1,57031	100,0000
Missing	0	1401	0,00000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	1401	1401	100,0000	100,0000
Missing	0	1401	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	1382	1382	98,64383	98,6438
Asian	8	1390	0,57102	99,2148
European	7	1397	0,49964	99,7145
Coloured	2	1399	0,14276	99,8572
Missing	2	1401	0,14276	100,0000

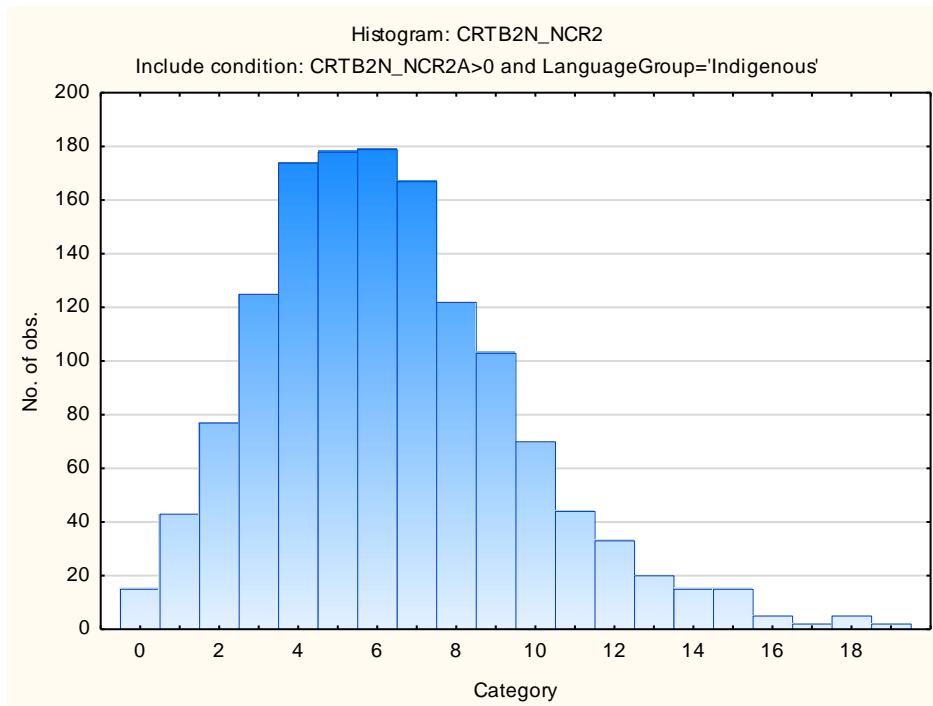
Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	28,78001	7,858169	18,00000	62,00000	1341	60

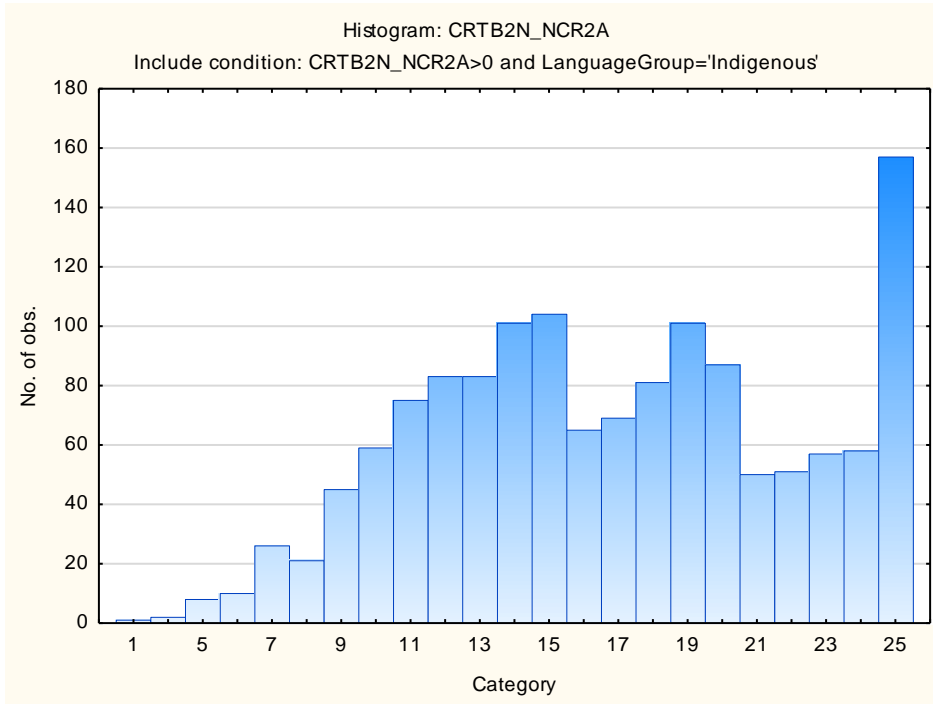


Descriptive statistics and frequency distributions on Critical Reasoning Test Battery subtests

Critical Numerical Reasoning Test

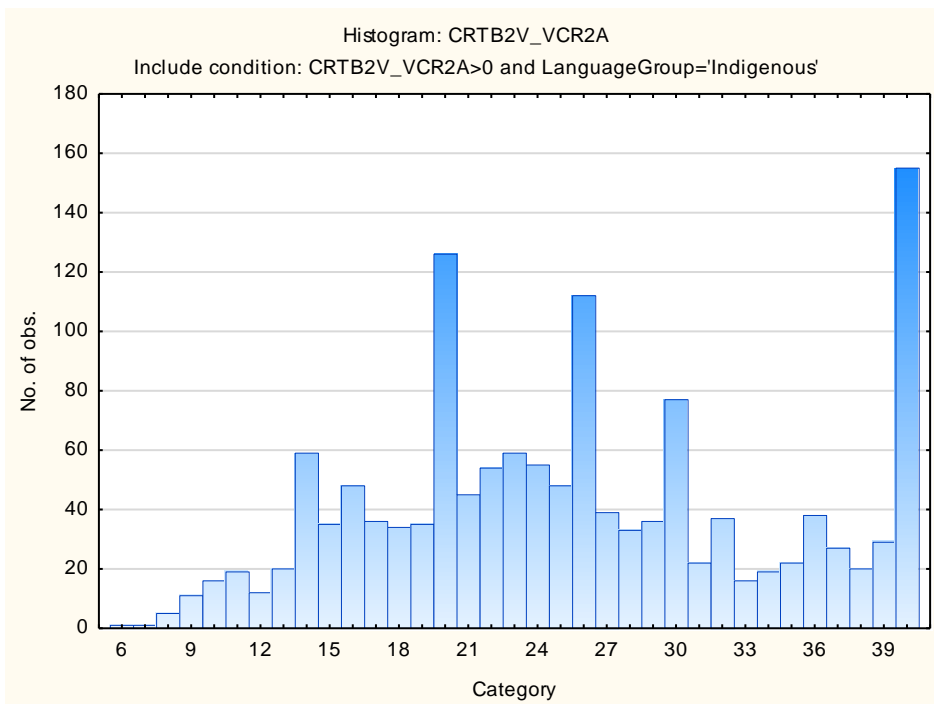
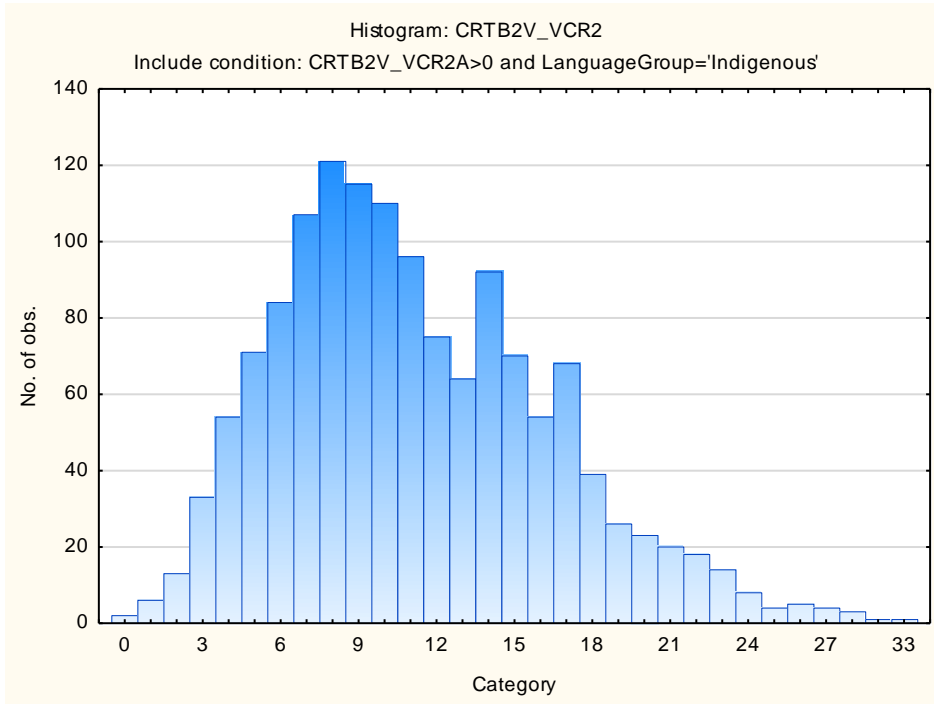
Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Critical Numerical Reasoning Test	6,32927	3,247824	0,000000	20,00000	1394	0
Critical Numerical Reasoning Items Attempted	16,82783	5,275244	1,000000	25,00000	1394	0





Critical Verbal Reasoning Test

Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Critical Verbal Reasoning Test	11,18915	5,235516	0,000000	33,00000	1401	0
Critical Verbal Reasoning Items Attempted	25,67737	8,610549	6,000000	40,00000	1401	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	0-2	3-4	5-7	8-9	10-12	13-15	16-17	18-20	21-33
Critical Numerical Items Attempted	6-10	11-14	15-19	20-23	24-27	28-32	33-36	37-40	
Critical Verbal Reasoning	0-0	1-2	3-3	4-5	6-7	8-8	9-10	11-12	13-20
Critical Verbal Items Attempted	1-7	8-10	11-12	13-15	16-18	19-20	21-23	24-25	