

# Critical Reasoning Test (CRTB2)

## Norm: South Africans, English 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

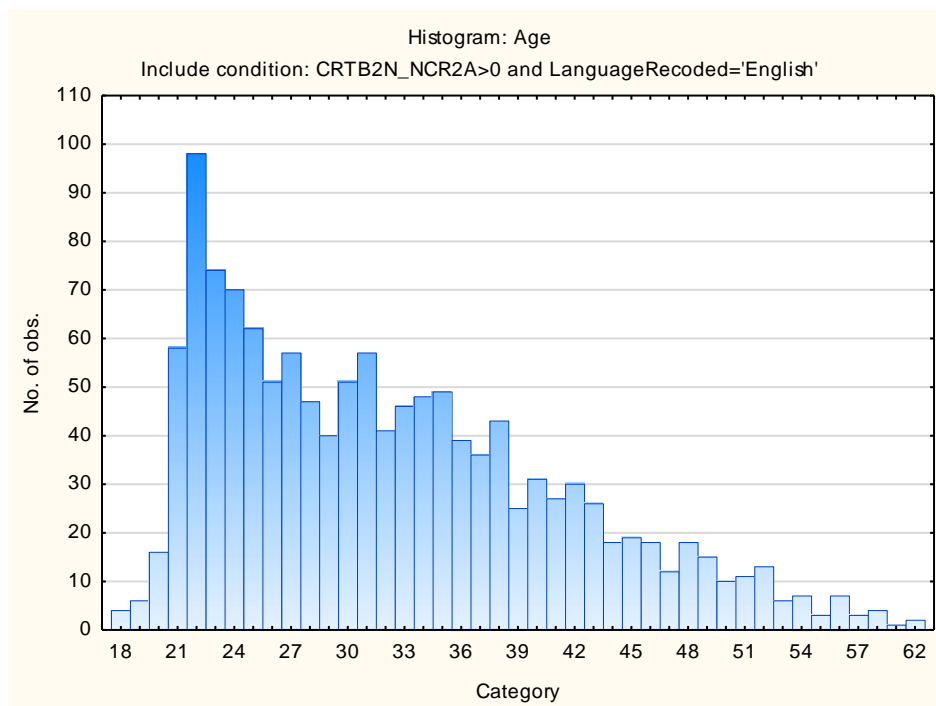
Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	386	386	28,23702	28,2370
M	973	1359	71,17776	99,4148
U	8	1367	0,58522	100,0000
Missing	0	1367	0,00000	100,0000

Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	577	577	42,20922	42,2092
Post Graduate	287	864	20,99488	63,2041
Grade 12	326	1190	23,84784	87,0519
< Matric	22	1212	1,60936	88,6613
Missing	155	1367	11,33870	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
English	1367	1367	100,0000	100,0000
Missing	0	1367	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	91	91	6,65691	6,6569
Asian	460	551	33,65033	40,3072
European	671	1222	49,08559	89,3928
Coloured	124	1346	9,07096	98,4638
Missing	21	1367	1,53621	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	32,26482	9,056785	18,00000	62,00000	1299	68



## Critical Verbal Reasoning Test: Biographical Composition

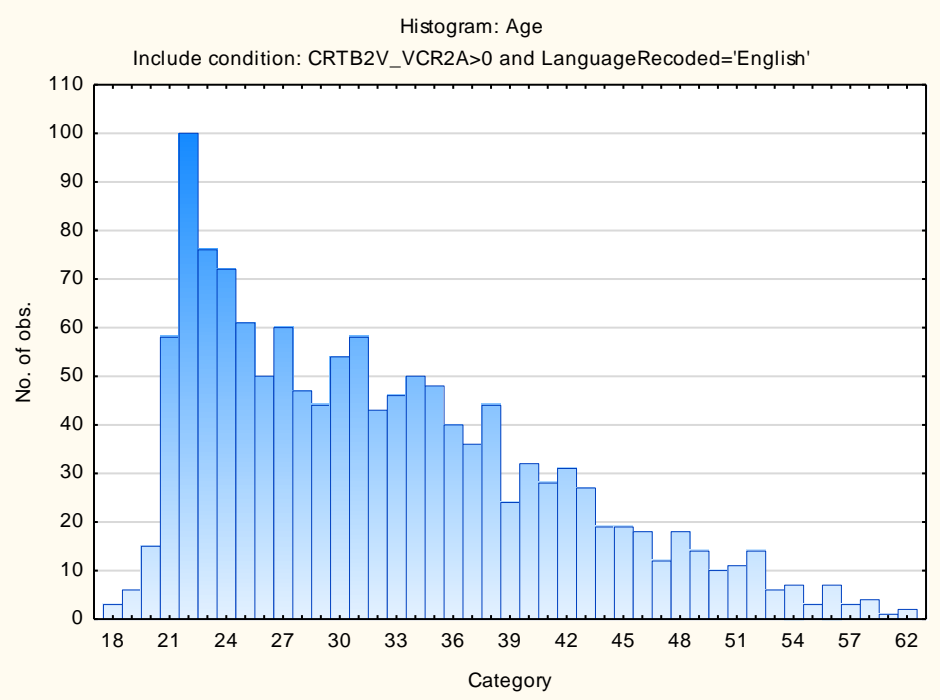
Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	396	396	28,50972	28,5097
M	985	1381	70,91433	99,4240
U	8	1389	0,57595	100,0000
Missing	0	1389	0,00000	100,0000

Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	582	582	41,90065	41,9006
Post Graduate	303	885	21,81425	63,7149
Grade 12	329	1214	23,68611	87,4010
< Matric	21	1235	1,51188	88,9129
Missing	154	1389	11,08711	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
English	1389	1389	100,0000	100,0000
Missing	0	1389	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	91	91	6,55148	6,5515
Asian	466	557	33,54932	40,1008
European	689	1246	49,60403	89,7048
Coloured	123	1369	8,85529	98,5601
Missing	20	1389	1,43988	100,0000

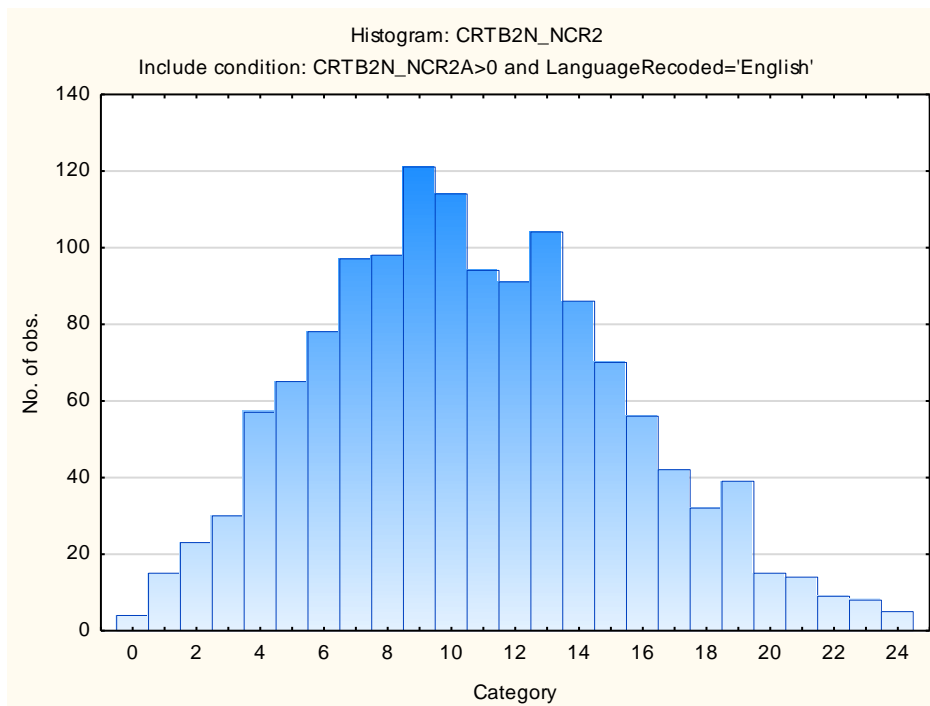
Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	32,26646	9,015063	18,00000	62,00000	1321	68

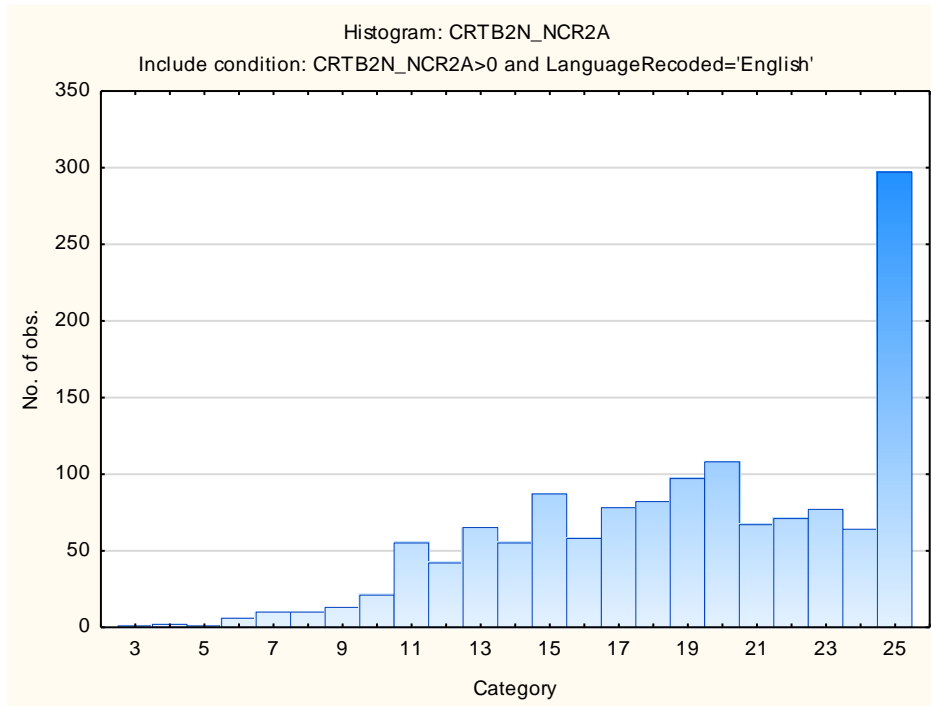


## Descriptive statistics and frequency distributions on Critical Reasoning Test Battery subtests

### Critical Numerical Reasoning Test

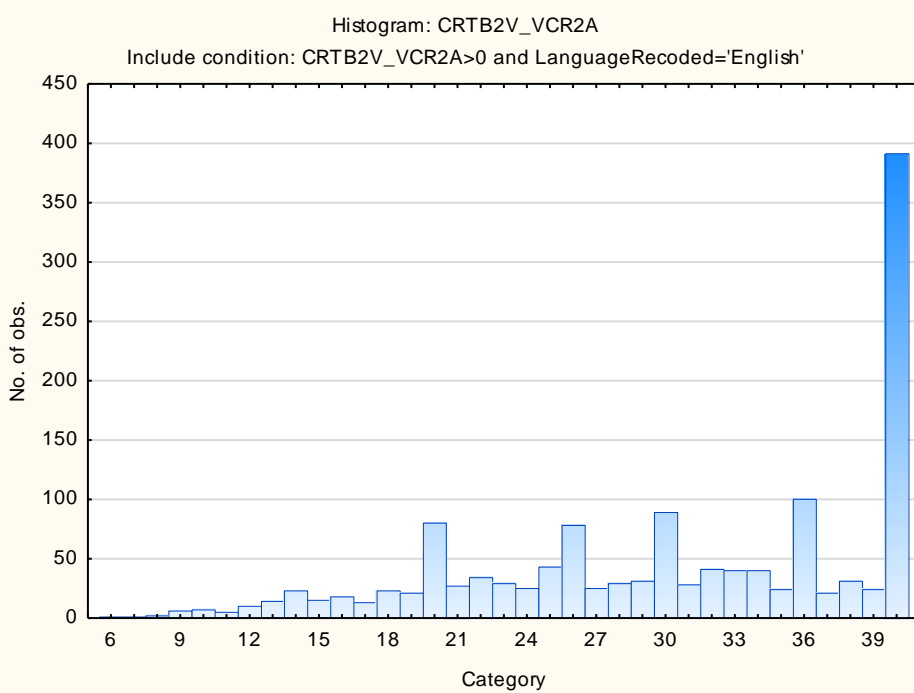
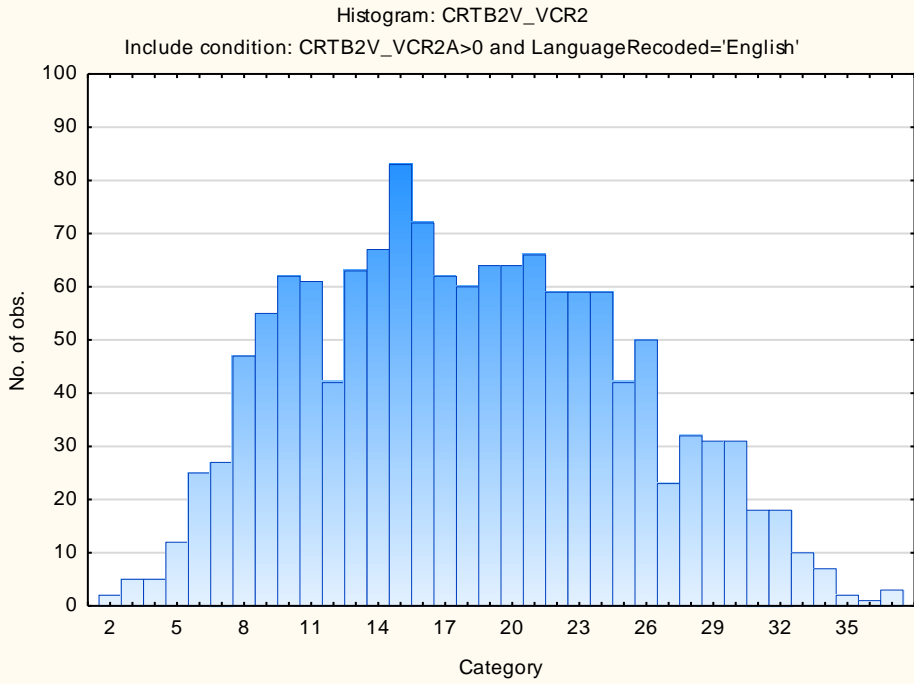
Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Critical Numerical Reasoning Test	10,69422	4,750910	0,000000	24,00000	1367	0
Critical Numerical Reasoning Items Attempted	19,01390	4,967444	3,000000	25,00000	1367	0





## Critical Verbal Reasoning Test

Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Critical Verbal Reasoning Test	17,96976	7,074568	2,000000	37,00000	1389	0
Critical Verbal Reasoning Items Attempted	30,63427	8,644442	6,000000	40,00000	1389	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	0-5	6-8	9-12	13-16	17-19	20-23	24-26	27-30	31-37
Critical Numerical Items Attempted	6-15	16-19	20-24	25-28	29-32	33-37	38-40		
Critical Verbal Reasoning	0-1	2-4	5-6	7-9	10-11	12-14	15-16	17-19	20-24
Critical Verbal Items Attempted	3-10	11-12	13-15	16-17	18-20	21-22	23-25		