

Critical Reasoning Test (CRTB2)

Norm: South Africans, isiZulu 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	160	160	36,69725	36,6972
M	275	435	63,07339	99,7706
U	1	436	0,22936	100,0000
Missing	0	436	0,00000	100,0000

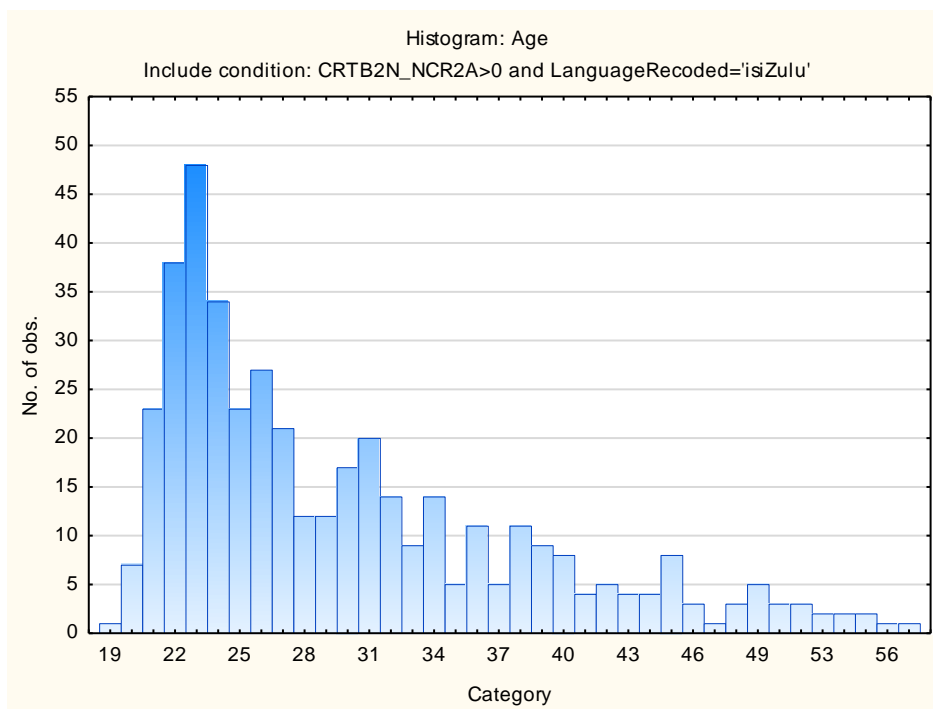
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	265	265	60,77982	60,7798
Post Graduate	78	343	17,88991	78,6697
Grade 12	57	400	13,07339	91,7431
< Matric	8	408	1,83486	93,5780
Missing	28	436	6,42202	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	436	436	100,0000	100,0000
Missing	0	436	0,0000	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	436	436	100,0000	100,0000
Missing	0	436	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	431	431	98,85321	98,8532
Asian	2	433	0,45872	99,3119
European	2	435	0,45872	99,7706
Missing	1	436	0,22936	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29,80714	8,327053	19,00000	58,00000	420	16



Critical Verbal Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
F	158	158	36,23853	36,2385
M	278	436	63,76147	100,0000
Missing	0	436	0,00000	100,0000

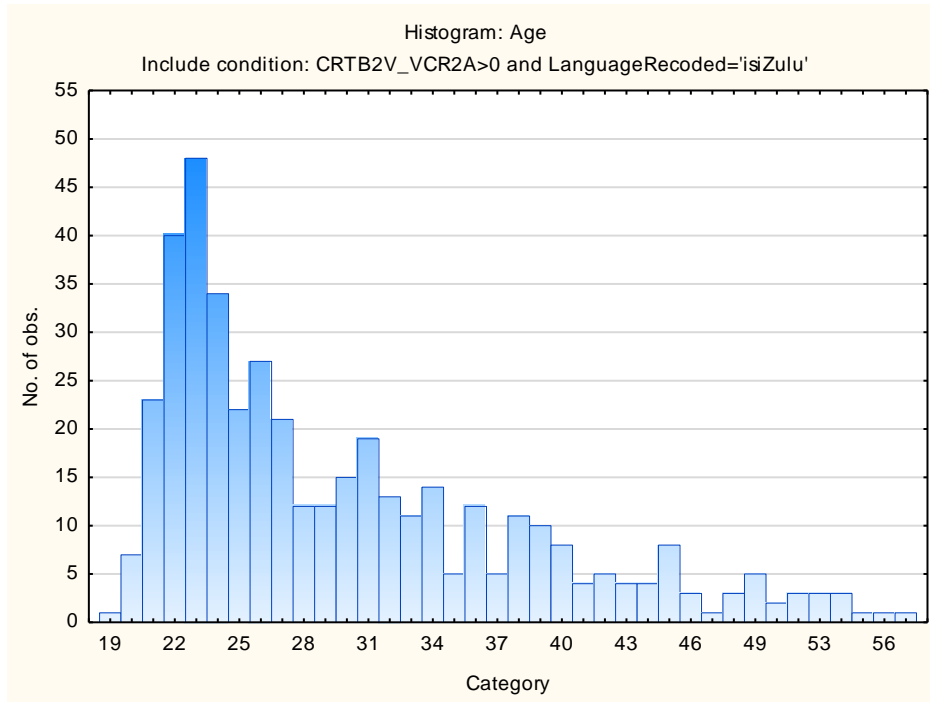
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	266	266	61,00917	61,0092
Post Graduate	80	346	18,34862	79,3578
Grade 12	57	403	13,07339	92,4312
< Matric	7	410	1,60550	94,0367
Missing	26	436	5,96330	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	436	436	100,0000	100,0000
Missing	0	436	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	436	436	100,0000	100,0000
Missing	0	436	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	431	431	98,85321	98,8532
Asian	2	433	0,45872	99,3119
European	2	435	0,45872	99,7706
Missing	1	436	0,22936	100,0000

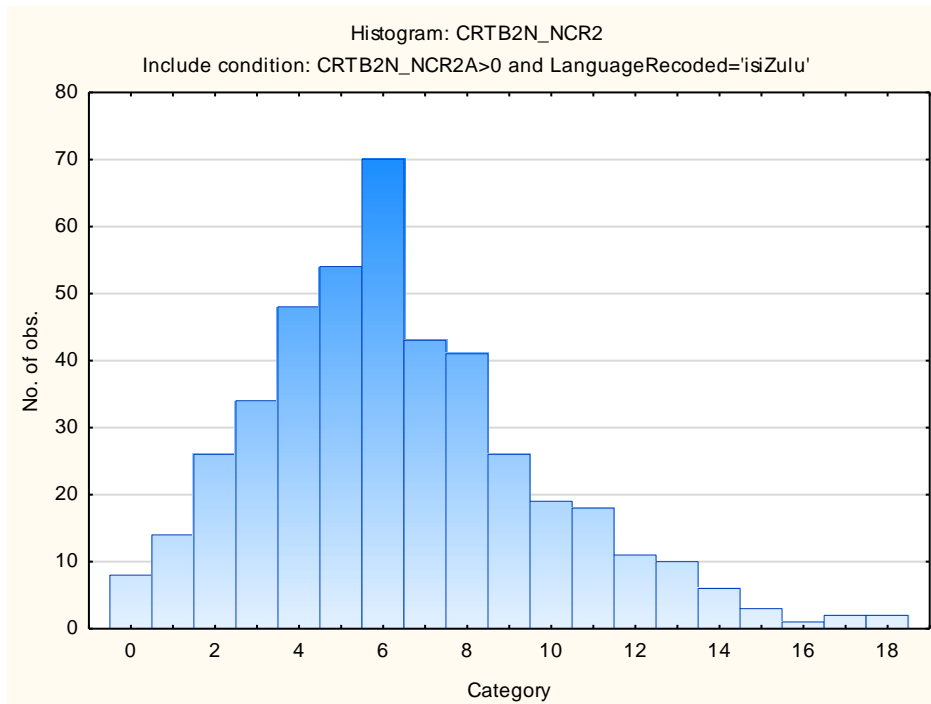
Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	29,82898	8,362286	19,00000	58,00000	421	15

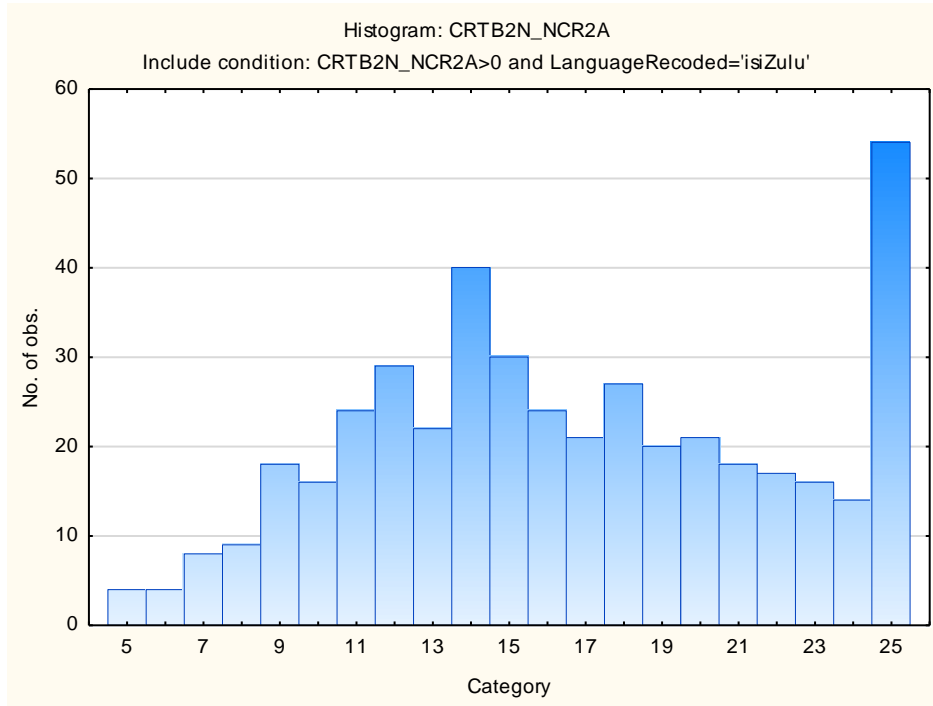


Descriptive statistics and frequency distributions on Critical Reasoning Test Battery subtests

Critical Numerical Reasoning Test

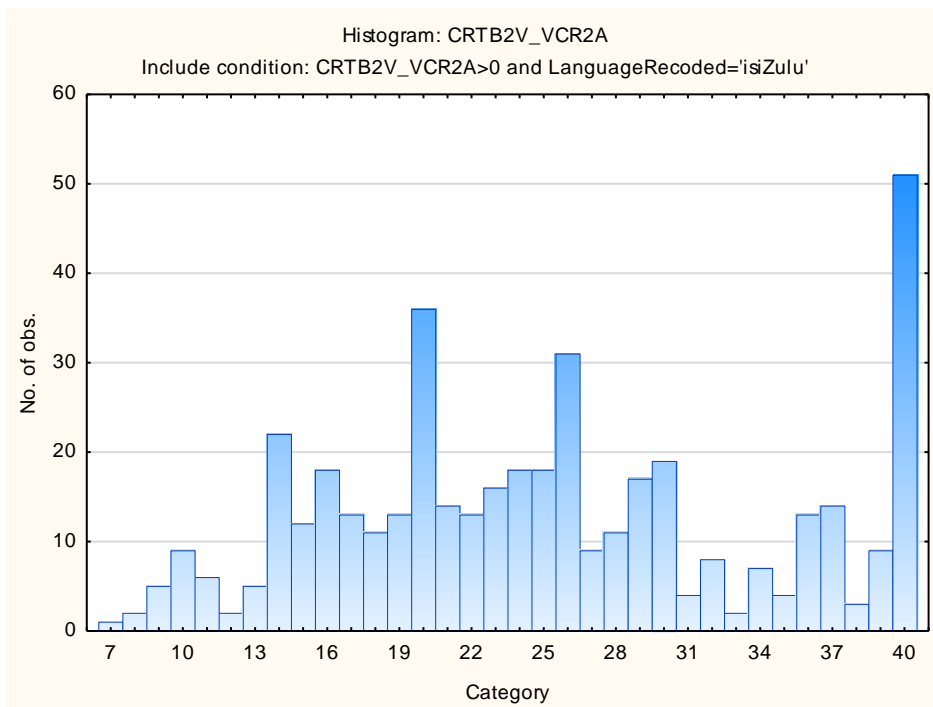
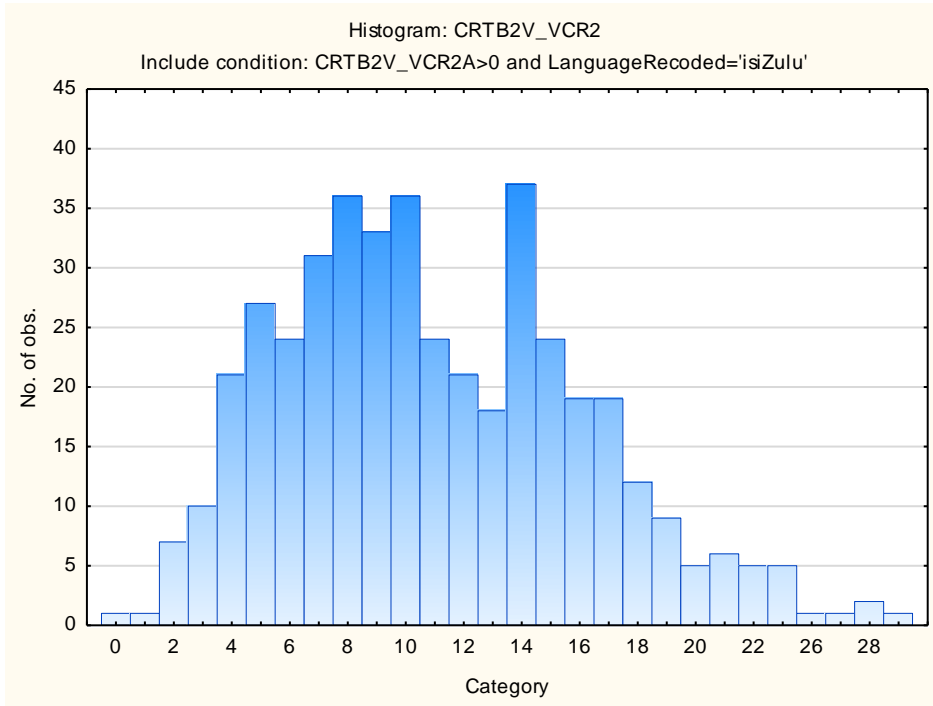
Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Critical Numerical Reasoning Test	6,37156	3,350693	0,000000	18,00000	436	0
Critical Numerical Reasoning Items Attempted	16,59404	5,387330	5,000000	25,00000	436	0





Critical Verbal Reasoning Test

Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Critical Verbal Reasoning Test	11,02064	5,257248	0,000000	33,00000	436	0
Critical Verbal Reasoning Items Attempted	25,32110	8,938750	7,000000	40,00000	436	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	13-14	15-17	18-20	21-33
Critical Numerical Items Attempted	7-9	10-14	15-18	19-23	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	13-18
Critical Verbal Items Attempted	5-7	8-9	10-12	13-15	16-17	18-20	21-23	24-25	