

General Reasoning Test (GRT2)

Norm Group: South Africans, Afrikaans Speaking, Updated 2016

Sample Composition

The sample consisted of South Africans with Afrikaans as home language, tested by Psytech SA and collaborators in the period up to June 2015, via GeneSys for Windows. Since not all respondents completed the whole General Reasoning Test battery (GRT2), biographical information is reported separately for the different subtests.

Sample Composition – General Abstract Reasoning Test

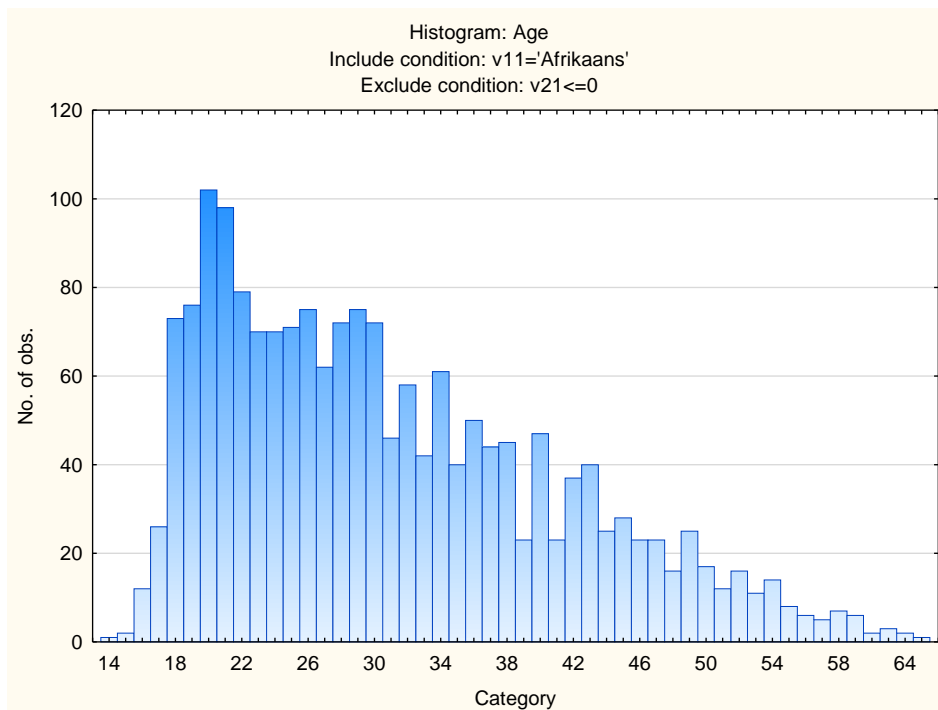
Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	1148	1148	60,35752	60,3575
F	748	1896	39,32702	99,6845
U	6	1902	0,31546	100,0000
Missing	0	1902	0,00000	100,0000

Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	962	962	50,57834	50,5783
Post Graduate	91	1053	4,78444	55,3628
Unknown	10	1063	0,52576	55,8885
Tertiary	489	1552	25,70978	81,5983
< Matric	141	1693	7,41325	89,0116
Missing	209	1902	10,98843	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	1902	1902	100,0000	100,0000
Missing	0	1902	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	47	47	2,47108	2,4711
Asian	1	48	0,05258	2,5237
Coloured	378	426	19,87382	22,3975
European	1422	1848	74,76341	97,1609
Missing	54	1902	2,83912	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	30,96634	10,24788	14,00000	71,00000	1842	60



Sample Composition: General Numerical Reasoning Test

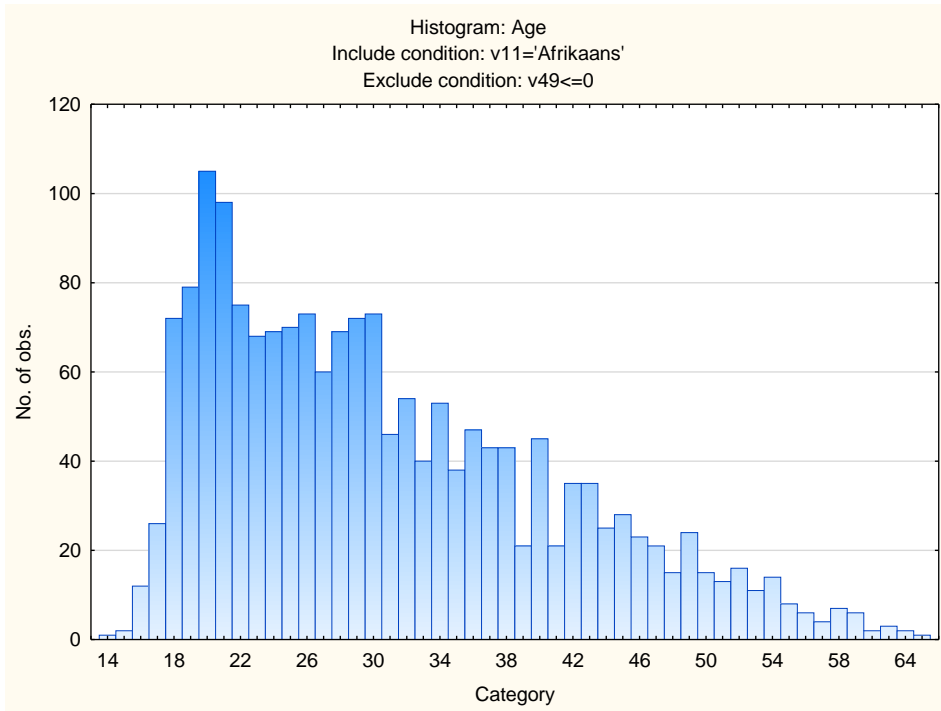
Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	1107	1107	59,87020	59,8702
F	736	1843	39,80530	99,6755
U	6	1849	0,32450	100,0000
Missing	0	1849	0,00000	100,0000

Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	950	950	51,37912	51,3791
Post Graduate	76	1026	4,11033	55,4895
Unknown	10	1036	0,54083	56,0303
Tertiary	459	1495	24,82423	80,8545
< Matric	139	1634	7,51758	88,3721
Missing	215	1849	11,62791	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	1849	1849	100,0000	100,0000
Missing	0	1849	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	47	47	2,54191	2,5419
Asian	1	48	0,05408	2,5960
Coloured	380	428	20,55165	23,1476
European	1363	1791	73,71552	96,8632
Missing	58	1849	3,13683	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	30,80827	10,29066	14,00000	71,00000	1789	60



Sample Composition: General Verbal Reasoning Test

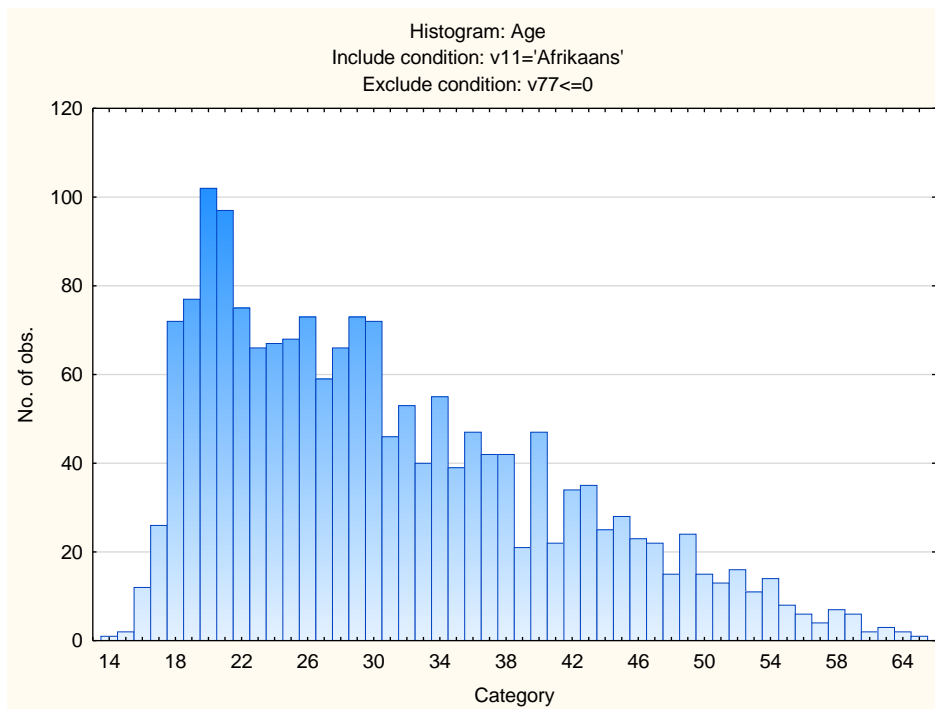
Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	1088	1088	59,38865	59,3886
F	738	1826	40,28384	99,6725
U	6	1832	0,32751	100,0000
Missing	0	1832	0,00000	100,0000

Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Grade 12	934	934	50,98253	50,9825
Post Graduate	76	1010	4,14847	55,1310
Unknown	10	1020	0,54585	55,6769
Tertiary	459	1479	25,05459	80,7314
< Matric	139	1618	7,58734	88,3188
Missing	214	1832	11,68122	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
Afrikaans	1832	1832	100,0000	100,0000
Missing	0	1832	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	46	46	2,51092	2,5109
Asian	1	47	0,05459	2,5655
Coloured	369	416	20,14192	22,7074
European	1362	1778	74,34498	97,0524
Missing	54	1832	2,94760	100,0000

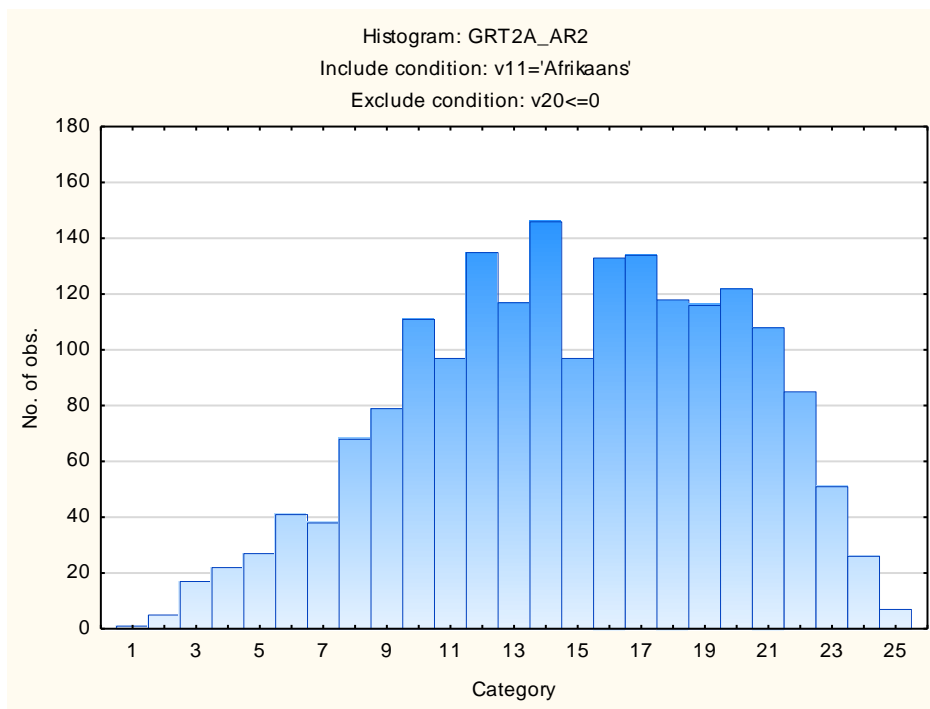
Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	30,89133	10,30919	14,00000	71,00000	1776	56

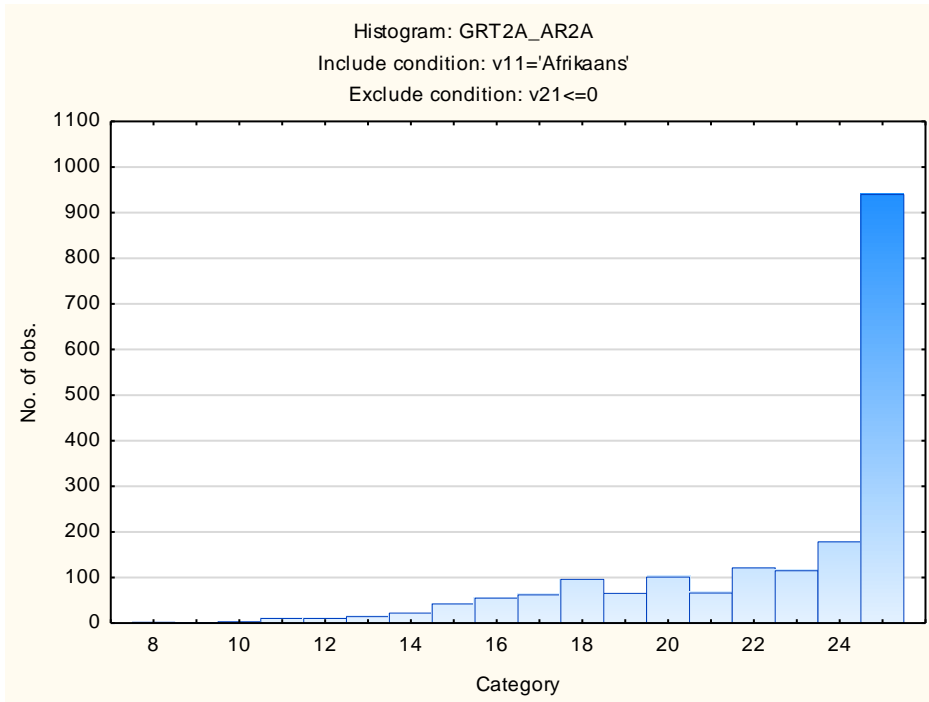


Descriptive Statistics and Frequency Distributions for General Reasoning Test Battery Subtests

General Abstract Reasoning Test

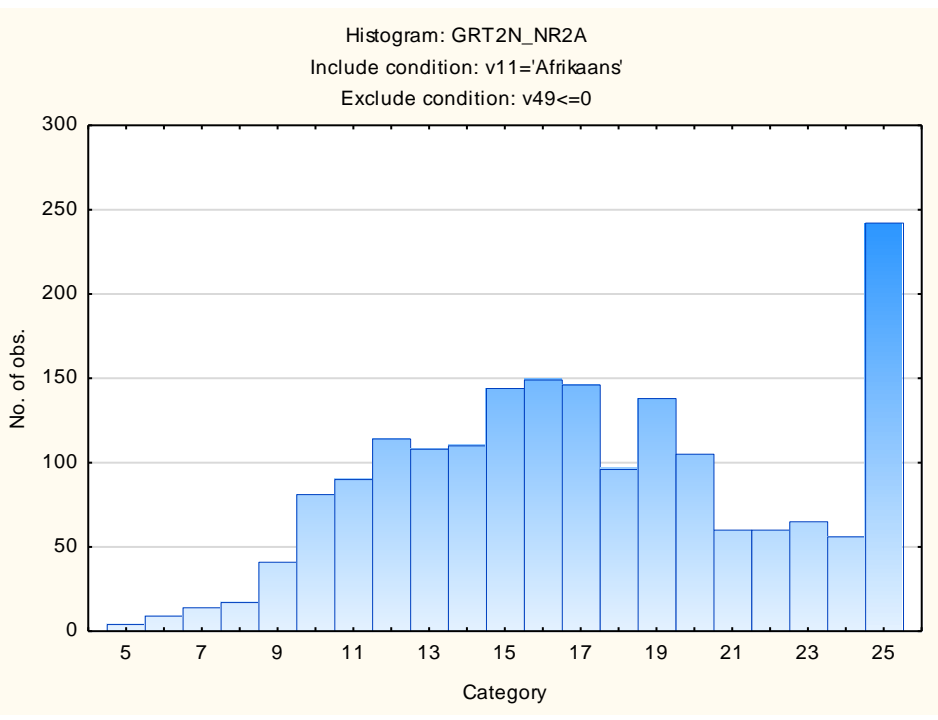
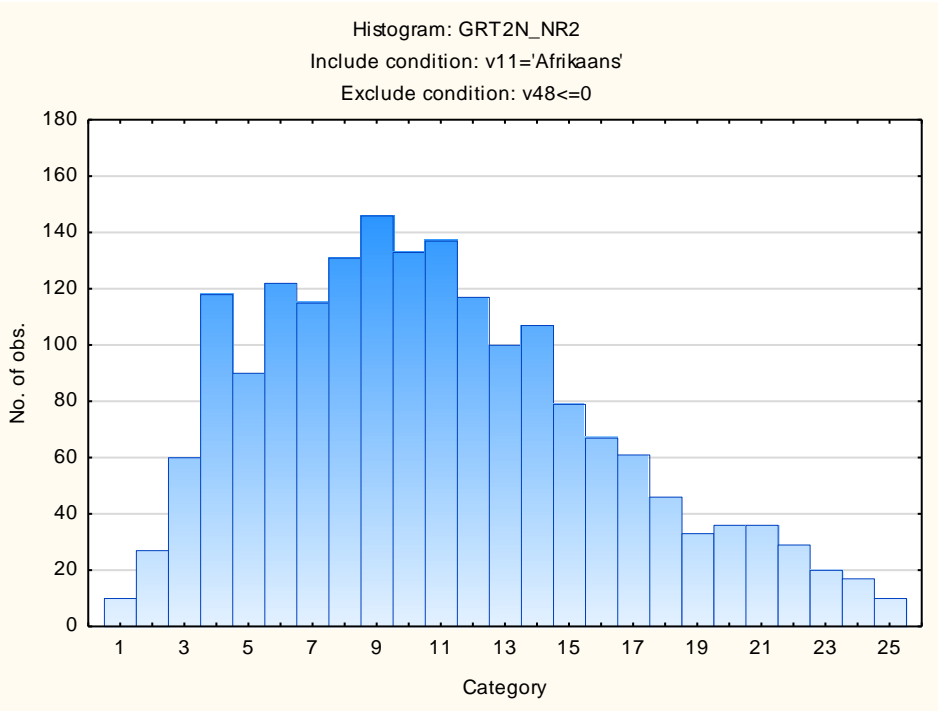
Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
General Abstract Reasoning	14,80179	5,016872	0,000000	25,00000	1902	0
General Abstract Reasoning Items Attempted	22,48265	3,460070	8,000000	25,00000	1902	0





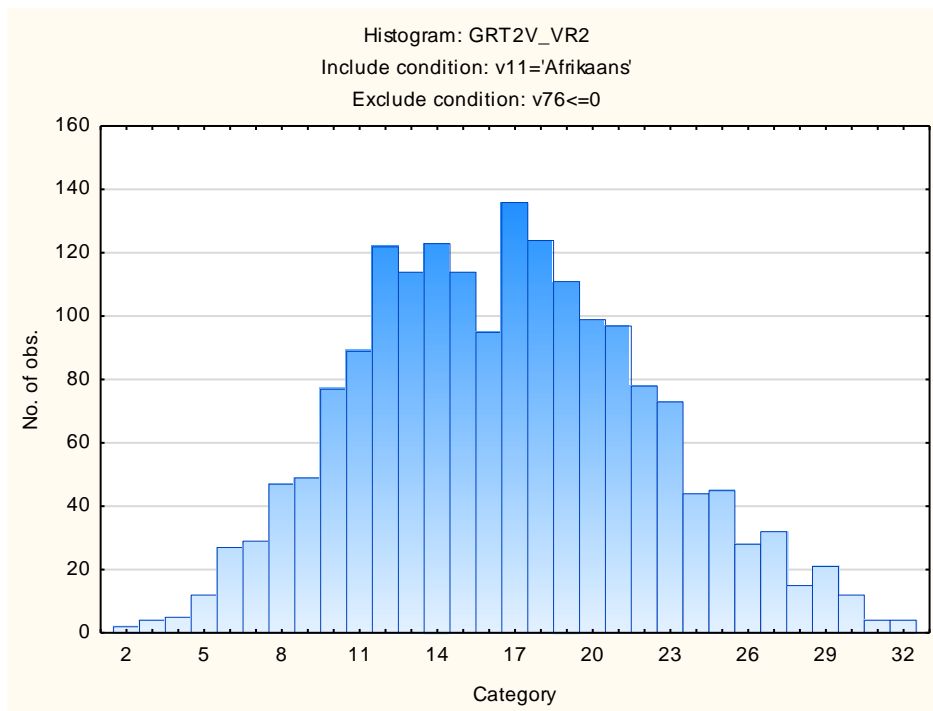
General Numerical Reasoning Test

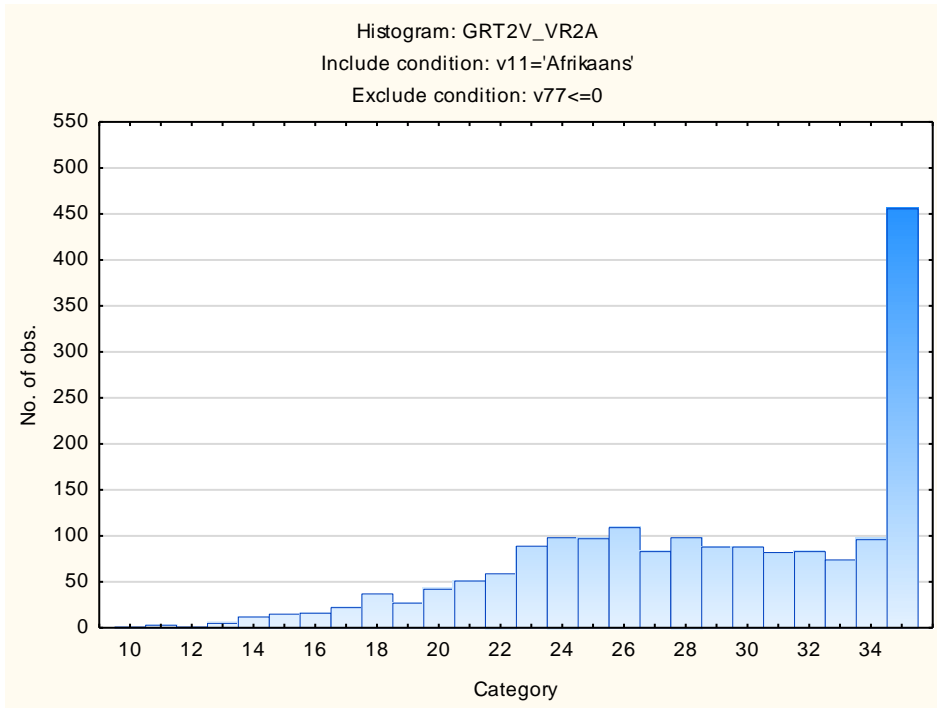
Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
General Numerical Reasoning	10,86263	5,292377	0,000000	25,00000	1849	0
General Numerical Reasoning Items Attempted	17,16279	4,942527	5,000000	25,00000	1849	0



General Verbal Reasoning Test

Variable	Descriptive Statistics					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
General Verbal Reasoning	16,59607	5,568259	2,00000	32,00000	1832	0
General Verbal Reasoning Items Attempted	28,50983	5,747643	10,00000	35,00000	1832	0





General Observations about the Group

The number of missing cases indicates that not all respondents disclosed their biographical information. The graphs illustrate that most people attempted to answer all the items, thereby showing that respondents did not time out during the test.

Stanine table

Scales	Stanine Groups								
	S9_1	S9_2	S9_3	S9_4	S9_5	S9_6	S9_7	S9_8	S9_9
General Abstract Reasoning	0-5	6-8	9-10	11-13	14-16	17-18	19-21	22-23	24-25
General Abstract Items Attempted	0-15	16-17	18-19	20-21	22-23	24-25			
General Numerical Reasoning	0-1	2-4	5-6	7-9	10-12	13-14	15-17	18-20	21-25
General Numerical Items Attempted	0-8	9-10	11-13	14-15	16-18	19-20	21-23	24-25	
General Verbal Reasoning	0-6	7-9	10-12	13-15	16-17	18-20	21-23	24-26	27-32
General Verbal Items Attempted	0-17	18-20	21-23	24-26	27-29	30-32	33-35		