

# Technical Test Battery (TTB2)

## Norm Group: SA isiZulu Speakers, Updated 2016

### Population, Updated 2016

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#### Norm Type:

Standard Deviation Norm

#### Sample Composition

The sample consisted of respondents who had completed any of the subtests of the Technical Test Battery (TTB2) battery in the period up to June 2015, via GeneSys for Windows. Since not all the respondents completed all the subtests, biographical information is reported separately for the three tests.

#### Mechanical Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	513	513	74,56395	74,5640
F	174	687	25,29070	99,8547
U	1	688	0,14535	100,0000
Missing	0	688	0,00000	100,0000

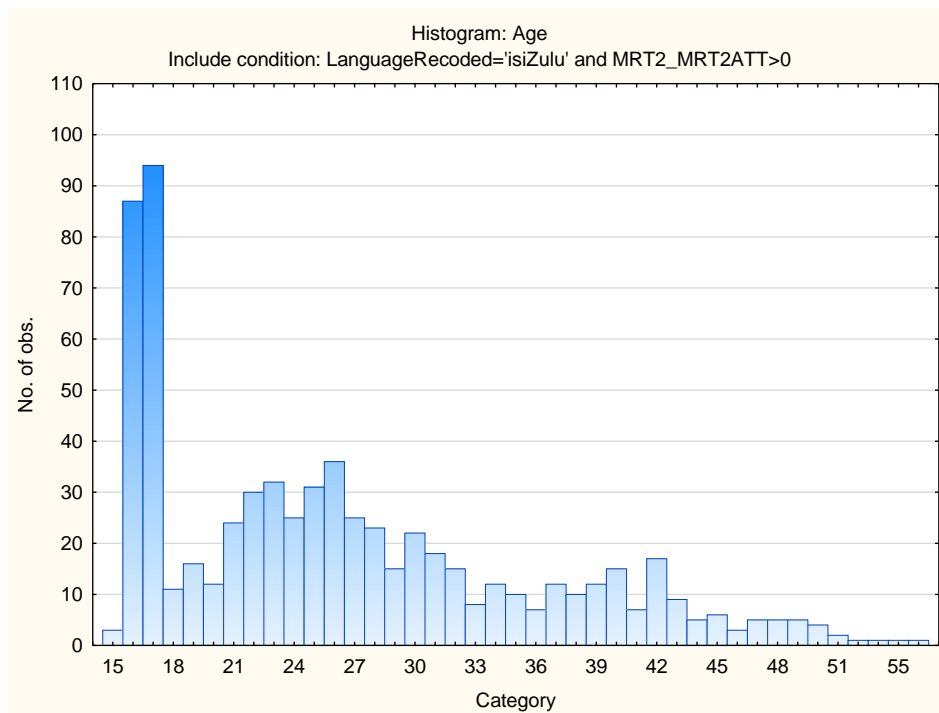
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	97	97	14,09884	14,0988
< Matric	260	357	37,79070	51,8895
Grade 12	241	598	35,02907	86,9186
Post Graduate	1	599	0,14535	87,0640
Missing	89	688	12,93605	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	688	688	100,0000	100,0000
Missing	0	688	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	688	688	100,0000	100,0000
Missing	0	688	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	684	684	99,41860	99,4186
Asian	3	687	0,43605	99,8547
Missing	1	688	0,14535	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	26,38552	9,404800	15,00000	59,00000	677	11



## Spatial Reasoning Test: Biographical Composition

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	394	394	92,92453	92,9245
F	30	424	7,07547	100,0000
Missing	0	424	0,00000	100,0000

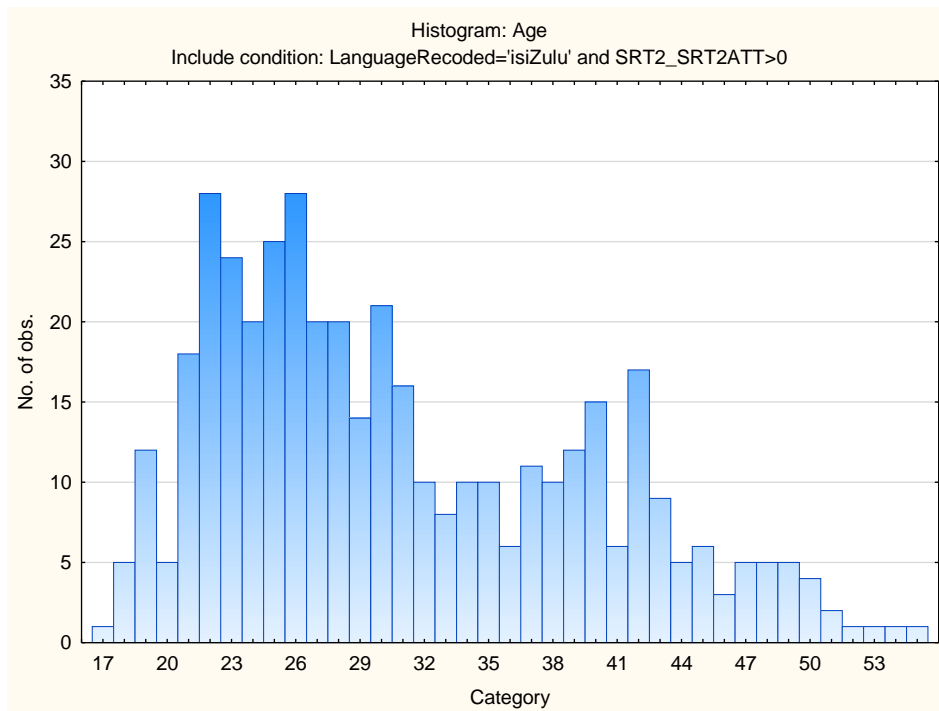
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	94	94	22,16981	22,1698
< Matric	57	151	13,44340	35,6132
Grade 12	197	348	46,46226	82,0755
Missing	76	424	17,92453	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	424	424	100,0000	100,0000
Missing	0	424	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	424	424	100,0000	100,0000
Missing	0	424	0,0000	100,0000

Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	421	421	99,29245	99,2925
Asian	3	424	0,70755	100,0000
Missing	0	424	0,00000	100,0000

Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	30,96905	8,597135	17,00000	59,00000	420	4



### Sample composition: Visual Acuity Test (VAC)

Category	Frequency table: Sex			
	Count	Cumulative Count	Percent	Cumulative Percent
M	23	23	88,46154	88,4615
F	3	26	11,53846	100,0000
Missing	0	26	0,00000	100,0000

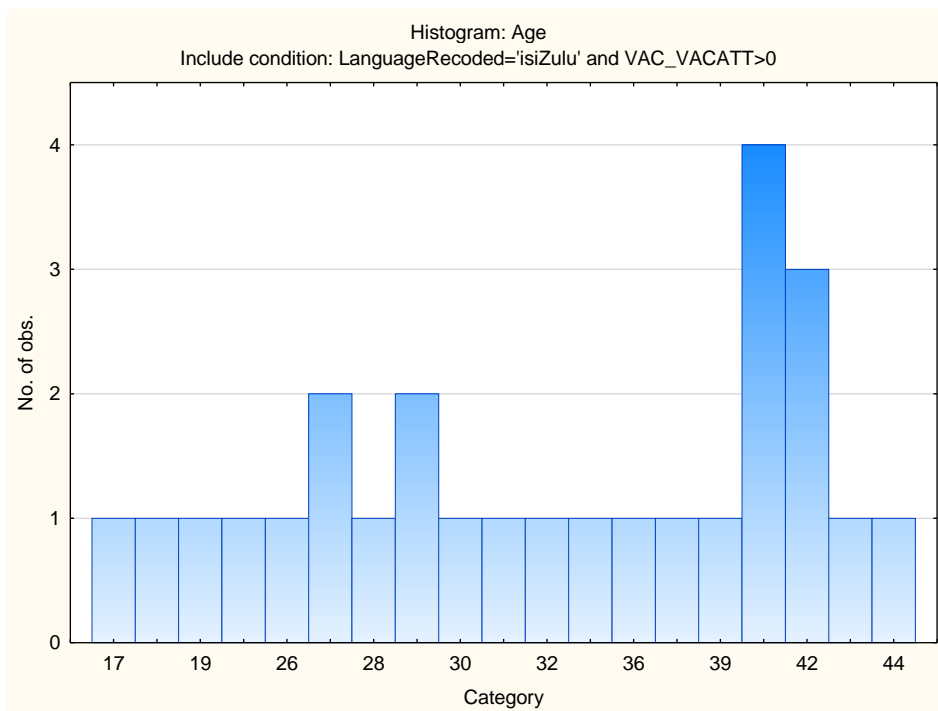
Category	Frequency table: Education			
	Count	Cumulative Count	Percent	Cumulative Percent
Tertiary	10	10	38,46154	38,4615
Grade 12	15	25	57,69231	96,1538
Missing	1	26	3,84615	100,0000

Category	Frequency table: Language			
	Count	Cumulative Count	Percent	Cumulative Percent
isiZulu	26	26	100,0000	100,0000
Missing	0	26	0,0000	100,0000

Category	Frequency table: Language Group			
	Count	Cumulative Count	Percent	Cumulative Percent
Indigenous	26	26	100,0000	100,0000
Missing	0	26	0,0000	100,0000

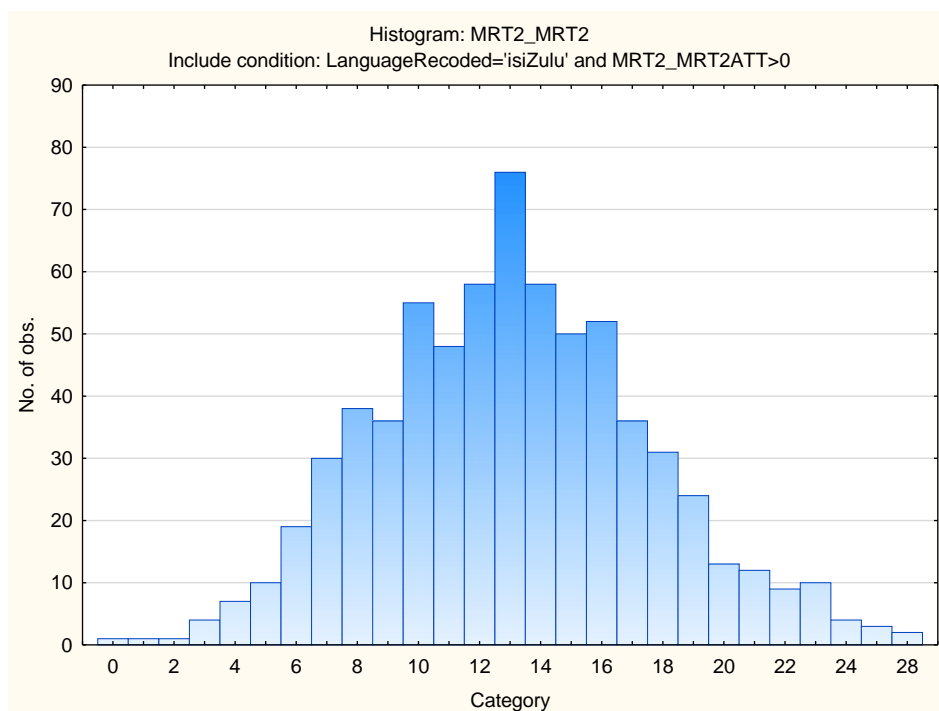
Category	Frequency table: Race			
	Count	Cumulative Count	Percent	Cumulative Percent
African	26	26	100,0000	100,0000
Missing	0	26	0,0000	100,0000

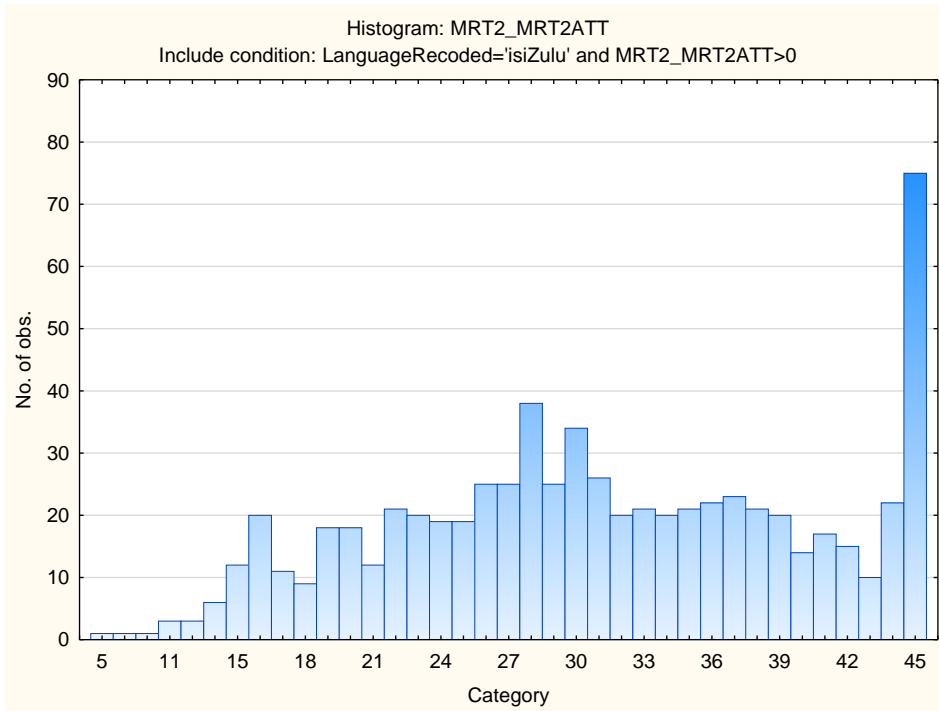
Variable	Descriptive Statistics: Age					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases Missing
Age	32,76923	8,406225	17,00000	44,00000	26	0



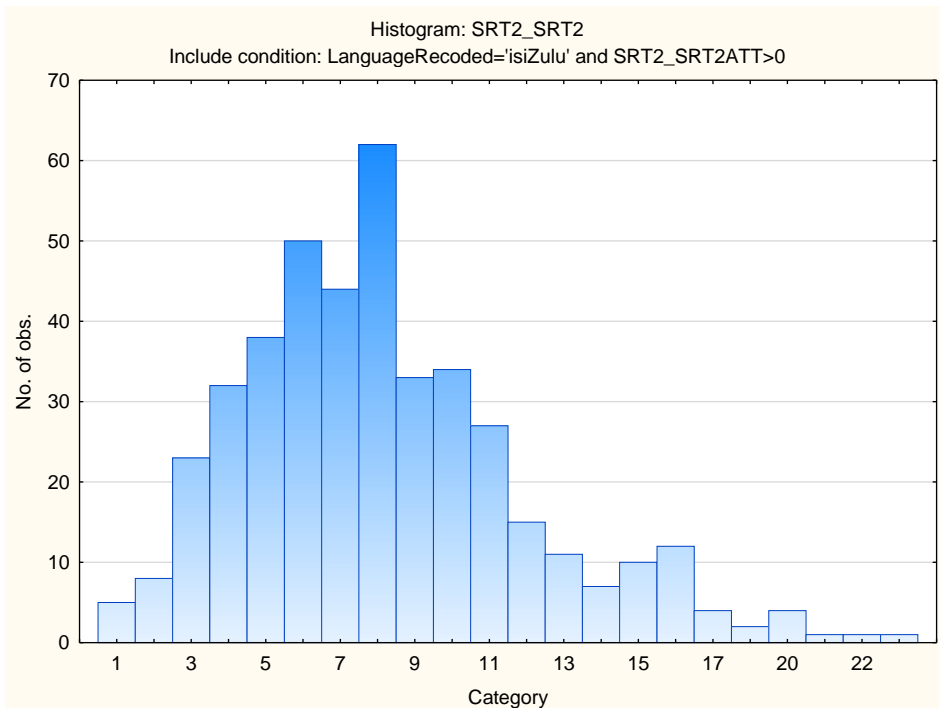
## Descriptive Statistics on Technical Test Battery Subtests

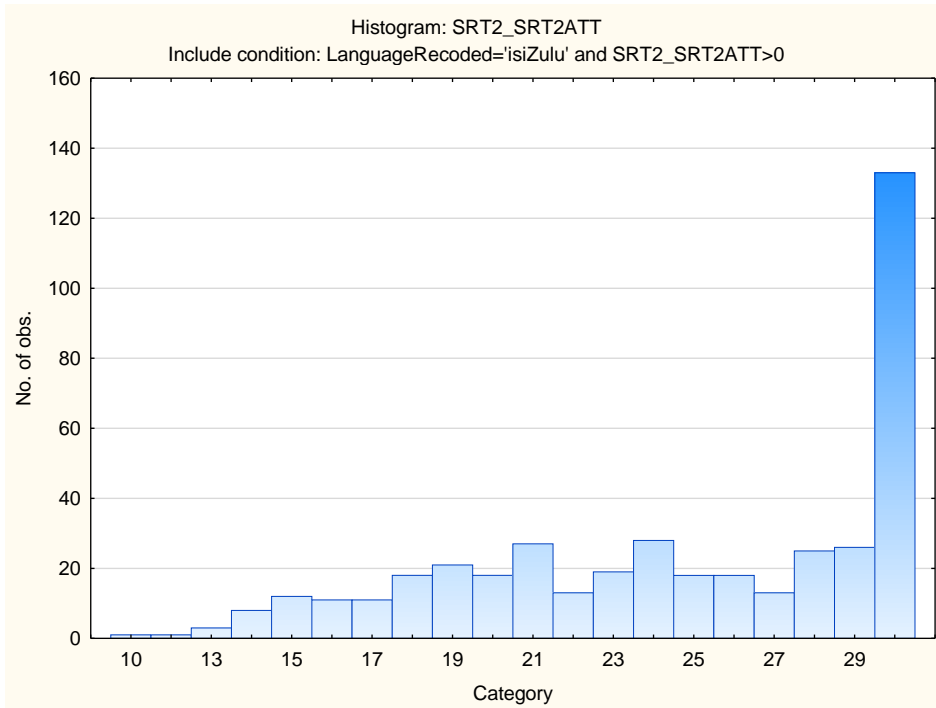
Variable	Descriptive Statistics: Mechanical Reasoning Test					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases
Mechanical Reasoning	13,07267	4,475449	0,000000	28,00000	688	0
Mechanical Reasoning Items Attempted	31,11047	9,162420	5,000000	45,00000	688	0





Variable	Descriptive Statistics: Spatial Reasoning Test					
	Mean	Std.Dev	Minimum	Maximum	N	No.cases
Spatial Reasoning	8,15802	3,866084	1,00000	23,00000	424	0
Spatial Reasoning Items Attempted	24,70283	5,175080	10,00000	30,00000	424	0







## Stanine Table

Scales	Stanine Groups								
	S9_1	S9_2	S9_3	S9_4	S9_5	S9_6	S9_7	S9_8	S9_9
Mechanical Reasoning	0-5	6-7	8-9	10-11	12-14	15-16	17-18	19-20	21-28
Spatial Reasoning	1-1	2-3	4-5	6-7	8-9	10-11	12-12	13-14	15-23

There was insufficient data to provide a norm for the VAC.