

```

DATASET ACTIVATE DataSet3.
DATASET CLOSE DataSet4.
GET DATA /TYPE=XLSX
  /FILE='/Volumes/External hard drive/raw_data_neuronavigation.xlsx'
  /SHEET=name 'sheet 2'
  /CELLRANGE=full
  /READNAMES=on
  /ASSUMEDSTRWIDTH#32767.
EXECUTE.
DATASET NAME DataSet6 WINDOW=FRONT.
DATASET ACTIVATE DataSet3.
DATASET CLOSE DataSet6.
GET DATA /TYPE=XLSX
  /FILE='/Volumes/External hard drive/raw_data_neuronavigation.xlsx'
  /SHEET=name 'sheet 2'
  /CELLRANGE=full
  /READNAMES=on
  /ASSUMEDSTRWIDTH#32767.
EXECUTE.
DATASET NAME DataSet7 WINDOW=FRONT.
DATASET ACTIVATE DataSet3.
EXAMINE VARIABLES=sqrtXenY
  /PLOT BOXPLOT HISTOGRAM NPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.

```

Explore

Notes

Output Created		10-APR-2017 13:55:...
Comments		
Input	Active Dataset	DataSet3
	Filter	sqrtXenY < 0.94 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=sqrtXenY /PLOT BOXPLOT HISTOGRAM NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.64
	Elapsed Time	00:00:01.00

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sqrt (X en Y)	15	100.0%	0	0.0%	15	100.0%

Descriptives

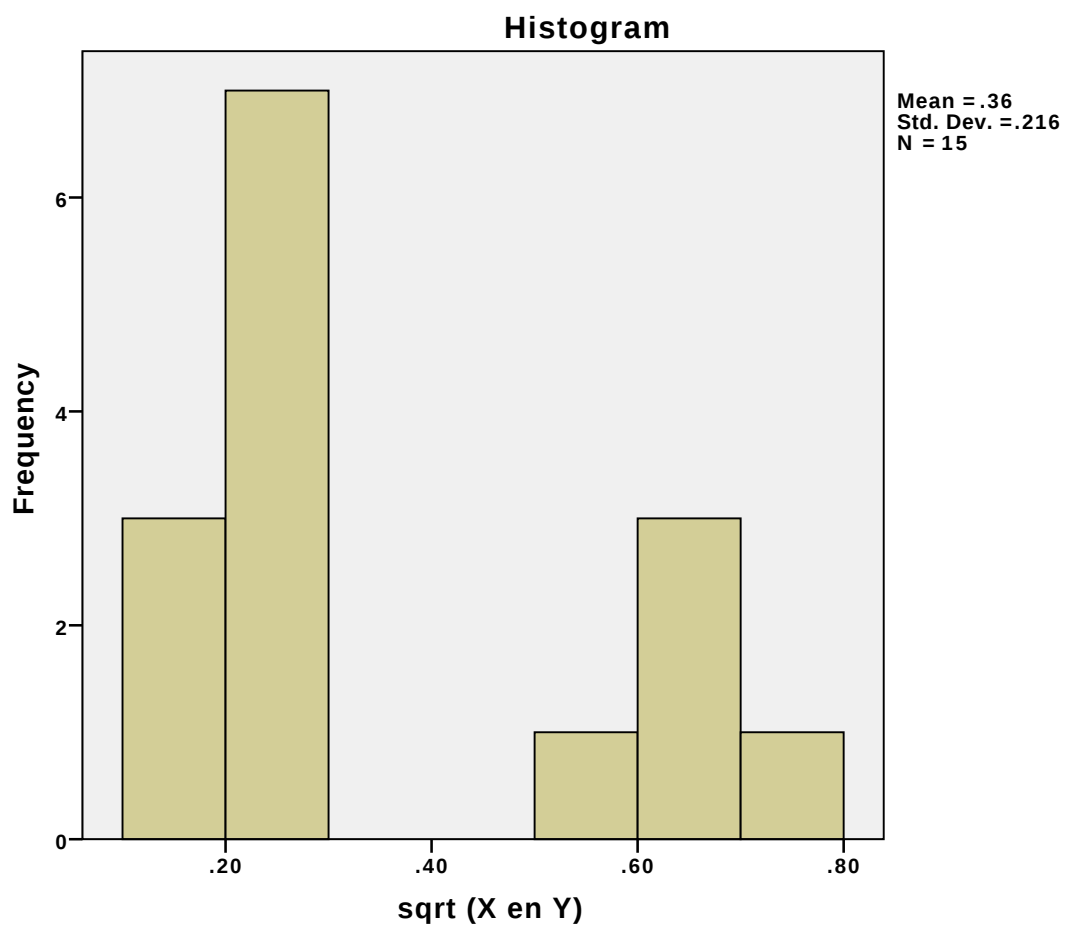
			Statistic	Std. Error
sqrt (X en Y)	Mean		.3642	.05565
	95% Confidence Interval for Mean	Lower Bound	.2449	
		Upper Bound	.4836	
	5% Trimmed Mean		.3576	
	Median		.2584	
	Variance		.046	
	Std. Deviation		.21554	
	Minimum		.13	
	Maximum		.71	
	Range		.58	
	Interquartile Range		.44	
	Skewness		.747	.580
	Kurtosis		-1.368	1.121

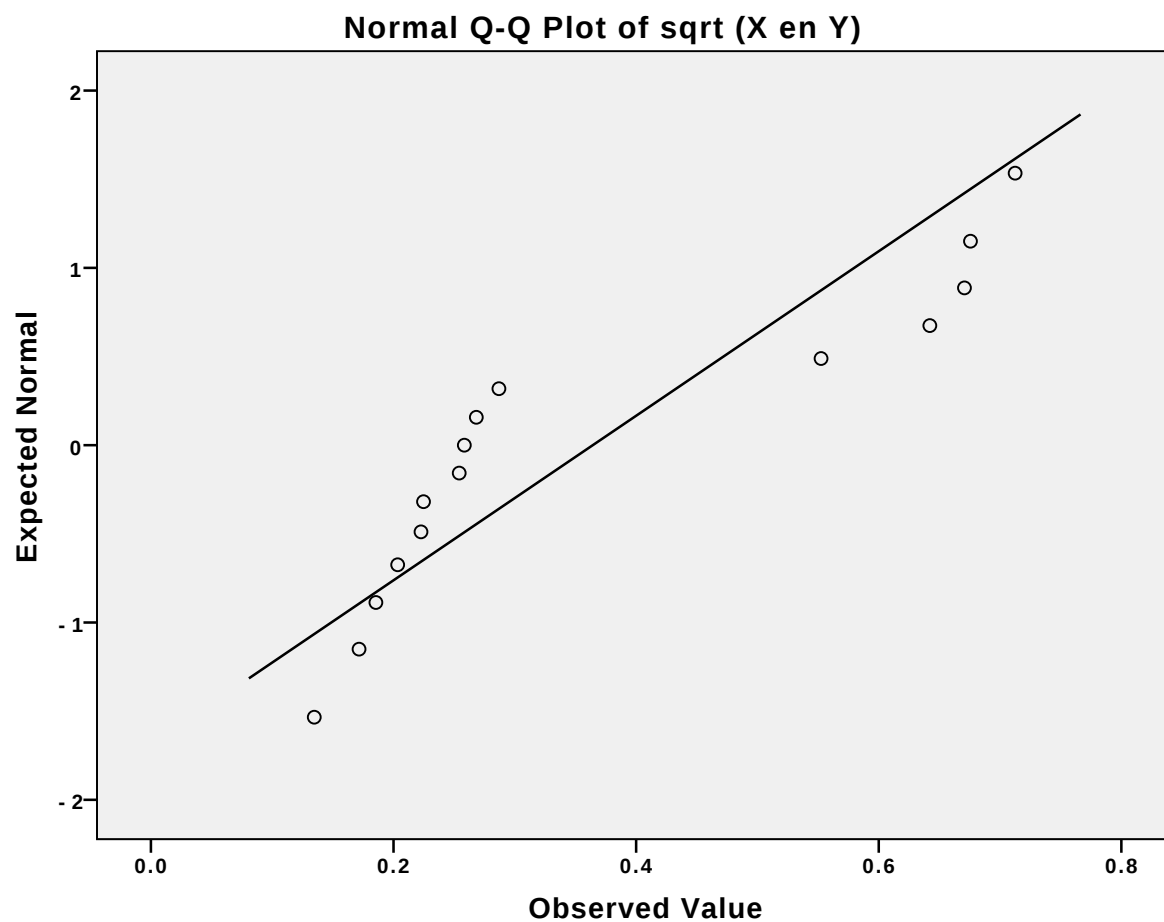
Tests of Normality

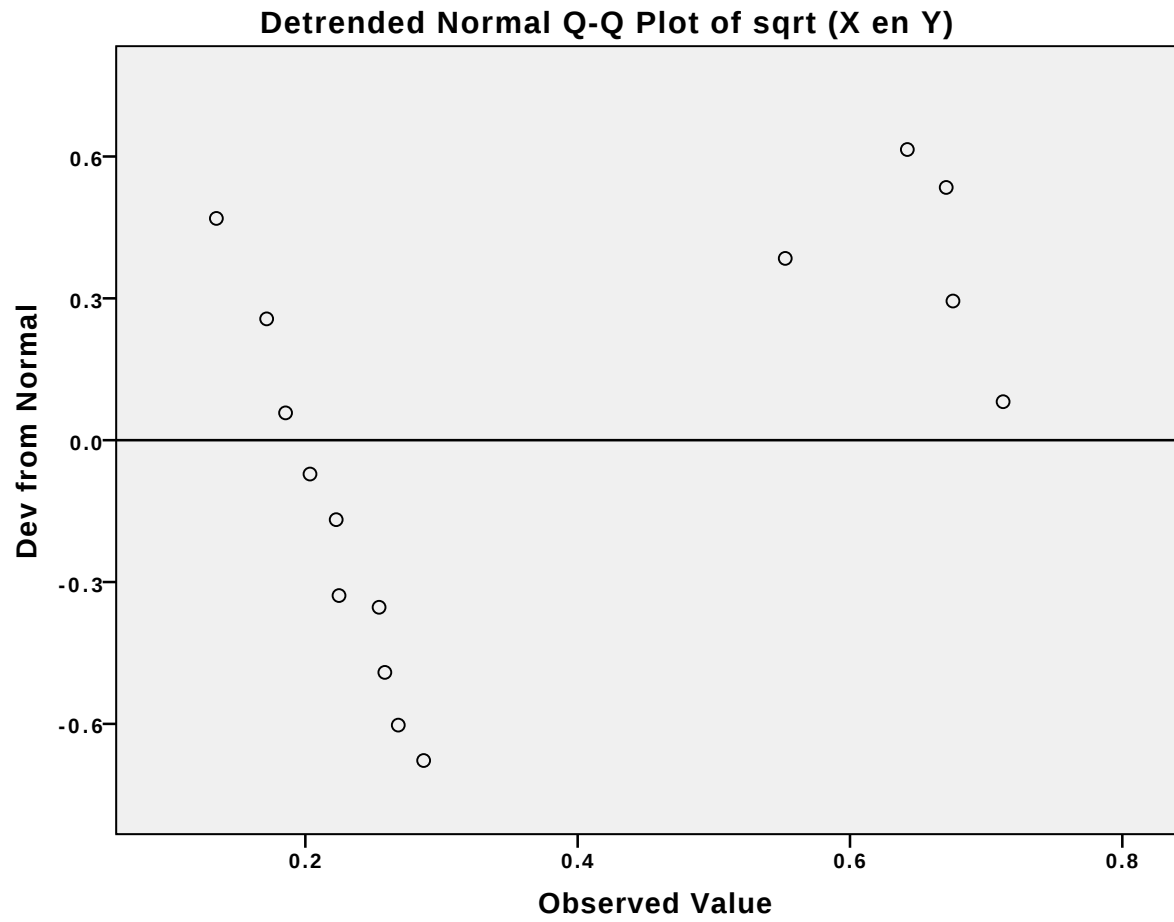
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
sqrt (X en Y)	.307	15	.000	.793	15	.003

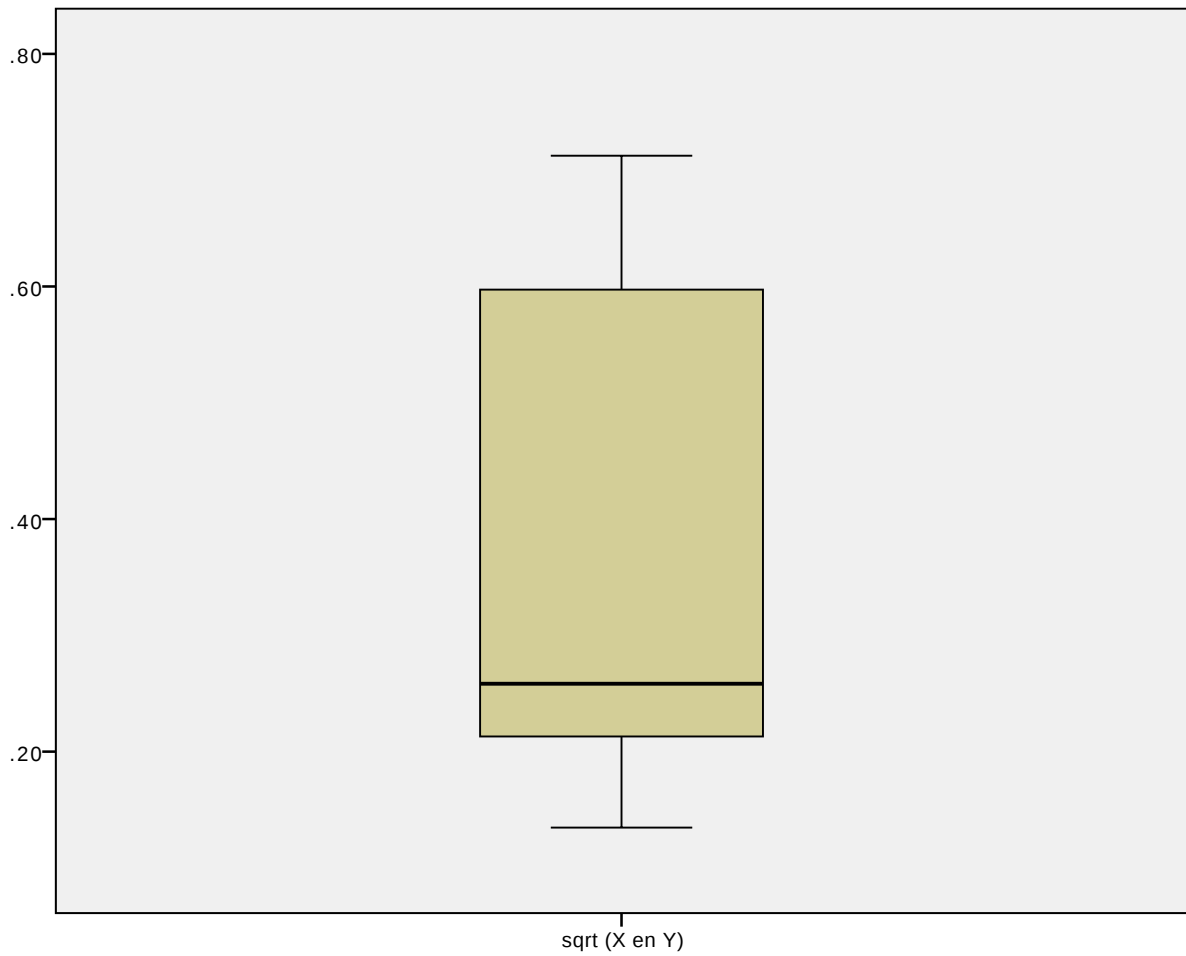
a. Lilliefors Significance Correction

sqrt (X en Y)









*Nonparametric Tests: One Sample.
NPTESTS
/ONESAMPLE TEST (sqrtXenY) WILCOXON(TESTVALUE=0)
/MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE
/CRITERIA ALPHA=0.05 CILEVEL=95.

Nonparametric Tests

Notes

Output Created		10-APR-2017 13:55:...
Comments		
Input	Active Dataset	DataSet3
	Filter	sqrtXenY < 0.94 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Syntax		NPTESTS /ONESAMPLE TEST (sqrtXenY) WILCOXON (TESTVALUE=0) /MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE /CRITERIA ALPHA=0. 05 CILEVEL=95.
Resources	Processor Time	00:00:00.08
	Elapsed Time	00:00:00.00

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The median of sqrt (X en Y) equals 0.00.	One-Sample Wilcoxon Signed Rank Test	.001	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

```

DATASET ACTIVATE DataSet7.
EXAMINE VARIABLES=LATERAAL TRANSVERSAAL LENGTET TRANSVERSAAL DIEPTESAGGITAAL LENGTESAGGITAAL
      DIEPTECORONAAL LATERAALCORONAAL
/PLOT BOXPLOT HISTOGRAM NPLOT
/COMPARE GROUPS
/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.

```

Explore

Notes

Output Created		10-APR-2017 13:55:...
Comments		
Input	Active Dataset	DataSet7
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=LATERAALT RANSVERSAAL LENGTETRANSVERSAAL DIEPTESAGGITAAL LENGTESAGGITAAL DIEPTECORONAAL LATERAALCORRONAAL /PLOT BOXPLOT HISTOGRAM NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /INTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:03.34
	Elapsed Time	00:00:04.00

[DataSet7]

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
LATERAAL - TRANSVERSAAL	15	83.3%	3	16.7%	18	100.0%
LENGTE- TRANSVERSAAL	15	83.3%	3	16.7%	18	100.0%
DIEPTE - SAGGITAAL	15	83.3%	3	16.7%	18	100.0%
LENGTE - SAGGITAAL	15	83.3%	3	16.7%	18	100.0%
DIEPTE- CORONAAL	15	83.3%	3	16.7%	18	100.0%
LATERAAL- CORRONAAL	15	83.3%	3	16.7%	18	100.0%

Descriptives

			Statistic	Std. Error
LATERAAL - TRANSVERSAAL	Mean		.1497	.03124
	95% Confidence Interval for Mean	Lower Bound Upper Bound	.0827 .2168	
	5% Trimmed Mean		.1341	
	Median		.1340	
	Variance		.015	
	Std. Deviation		.12100	
	Minimum		.05	
	Maximum		.53	
	Range		.48	
	Interquartile Range		.10	
	Skewness		2.426	.580
	Kurtosis		7.054	1.121
LENGTE- TRANSVERSAAL	Mean		.3147	.05466
	95% Confidence Interval for Mean	Lower Bound Upper Bound	.1975 .4319	
	5% Trimmed Mean		.3076	
	Median		.2527	
	Variance		.045	
	Std. Deviation		.21168	
	Minimum		.08	
	Maximum		.68	
	Range		.60	
	Interquartile Range		.43	
	Skewness		.736	.580
	Kurtosis		-1.070	1.121
DIEPTE - SAGGITAAL	Mean		1.7032	.06134
	95% Confidence Interval for Mean	Lower Bound Upper Bound	1.5716 1.8348	
	5% Trimmed Mean		1.7028	
	Median		1.6700	
	Variance		.056	
	Std. Deviation		.23755	
	Minimum		1.30	
	Maximum		2.12	
	Range		.82	
	Interquartile Range		.33	
	Skewness		.187	.580
	Kurtosis		-.666	1.121
LENGTE - SAGGITAAL	Mean		.3524	.04547
	95% Confidence Interval for Mean	Lower Bound Upper Bound	.2549 .4500	
	5% Trimmed Mean		.3490	
	Median		.2563	
	Variance		.031	
	Std. Deviation		.17612	
	Minimum		.11	
	Maximum		.66	

Descriptives

			Statistic	Std. Error
	Range		.55	
	Interquartile Range		.30	
	Skewness		.543	.580
	Kurtosis		-1.206	1.121
DIEPTE-CORONAAL	Mean		1.7362	.05859
	95% Confidence Interval for Mean	Lower Bound	1.6105	
		Upper Bound	1.8619	
	5% Trimmed Mean		1.7395	
	Median		1.6567	
	Variance		.051	
	Std. Deviation		.22694	
	Minimum		1.33	
	Maximum		2.08	
	Range		.75	
	Interquartile Range		.37	
	Skewness		.083	.580
	Kurtosis		-.932	1.121
	Mean		.1387	.03396
LATERAAL-CORONAAL	95% Confidence Interval for Mean	Lower Bound	.0659	
		Upper Bound	.2116	
	5% Trimmed Mean		.1219	
	Median		.0943	
	Variance		.017	
	Std. Deviation		.13151	
	Minimum		.03	
	Maximum		.55	
	Range		.52	
	Interquartile Range		.10	
	Skewness		2.497	.580
	Kurtosis		7.064	1.121

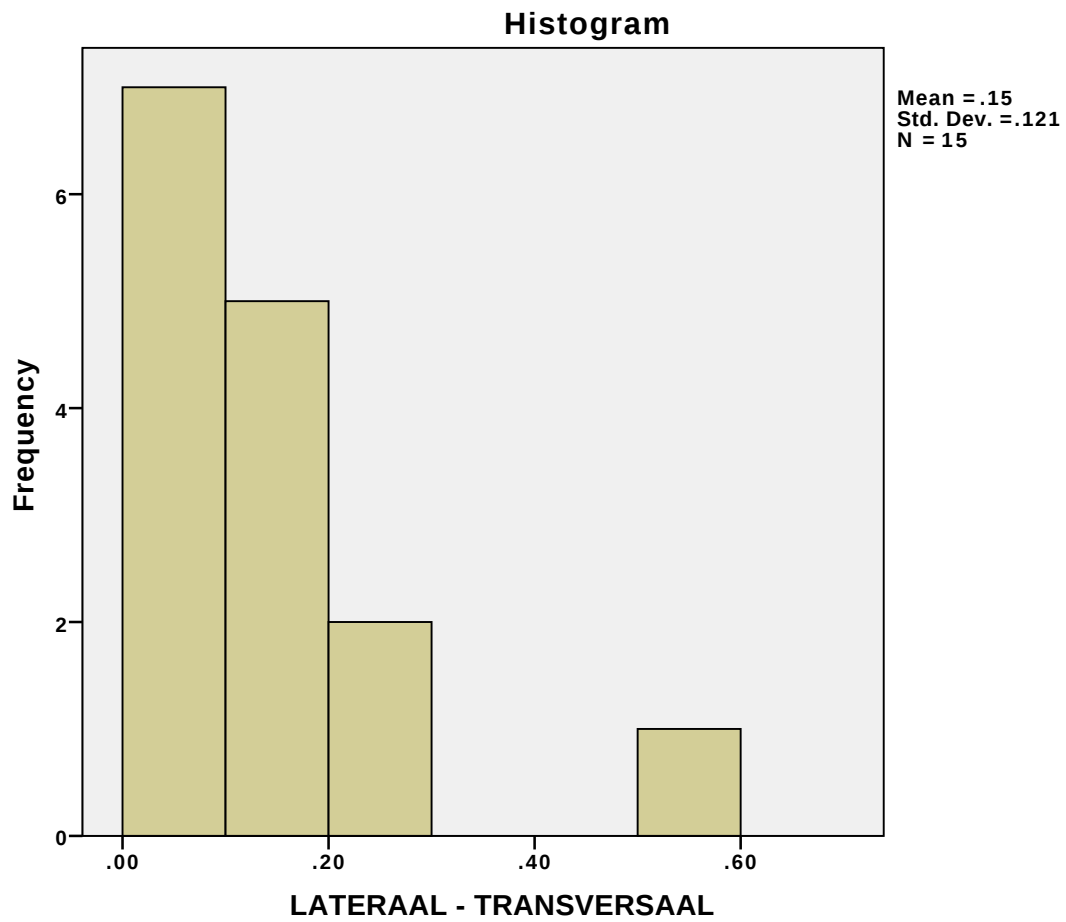
Tests of Normality

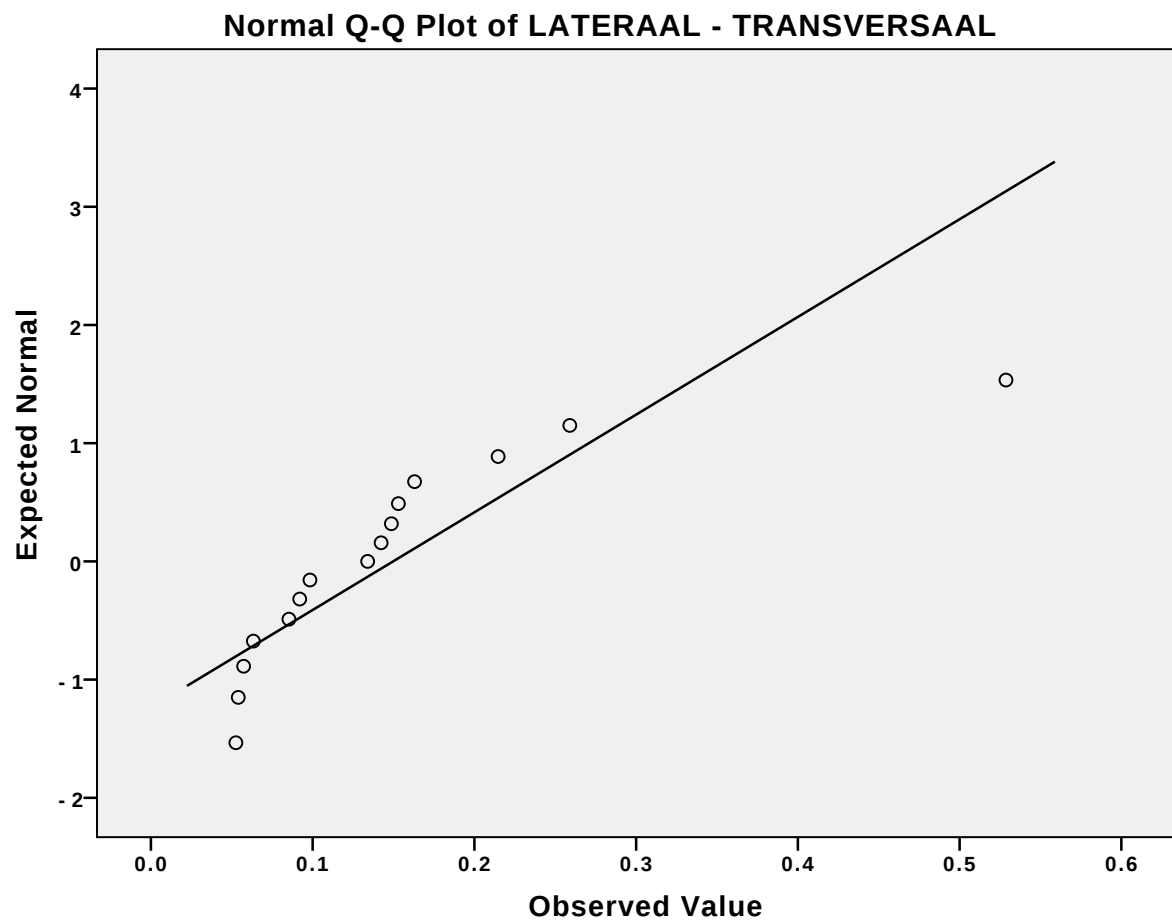
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
LATERAAL - TRANSVERSAAL	.256	15	.009	.731	15	.001
LENGTE-TRANSVERSAAL	.267	15	.005	.850	15	.018
DIEPTE - SAGGITAAL	.130	15	.200 *	.977	15	.946
LENGTE - SAGGITAAL	.241	15	.019	.890	15	.067
DIEPTE-CORONAAL	.170	15	.200 *	.944	15	.441
LATERAAL-CORONAAL	.221	15	.048	.709	15	.000

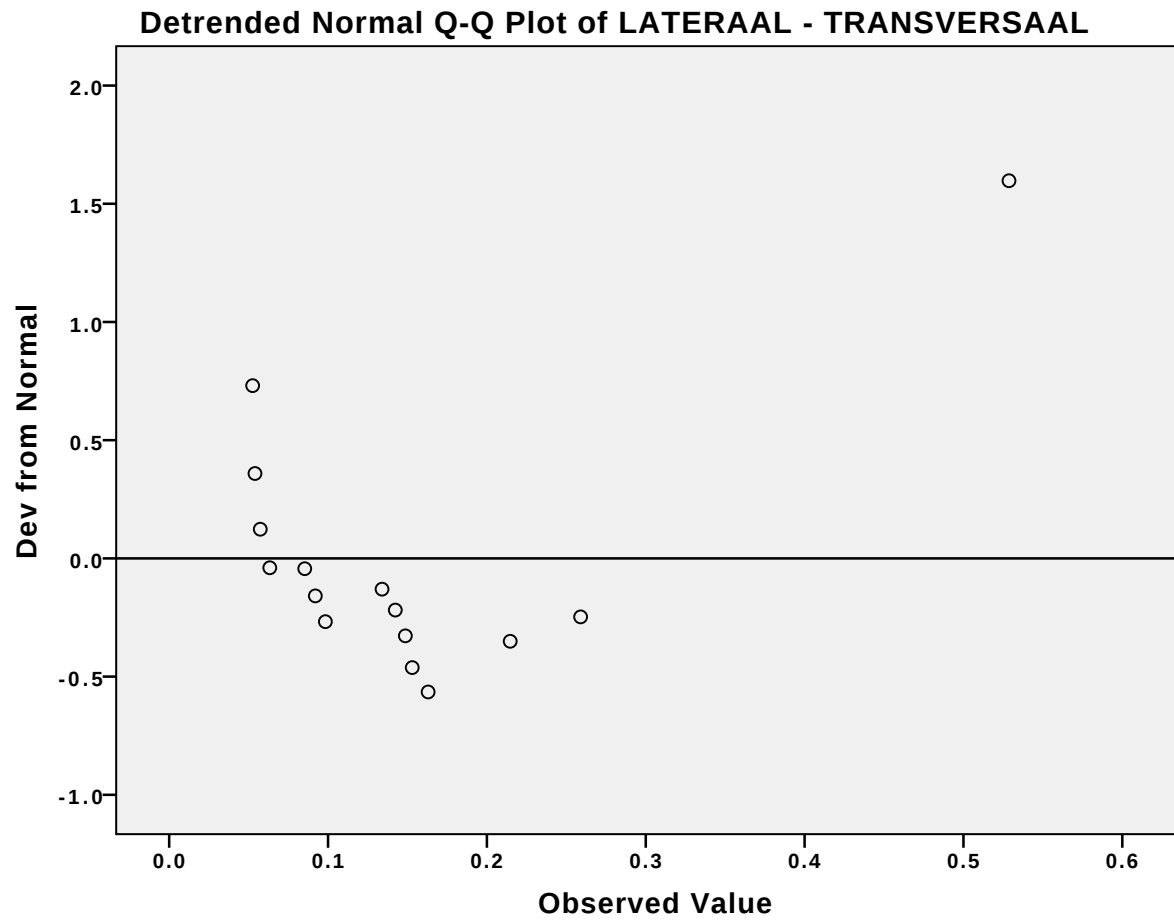
*. This is a lower bound of the true significance.

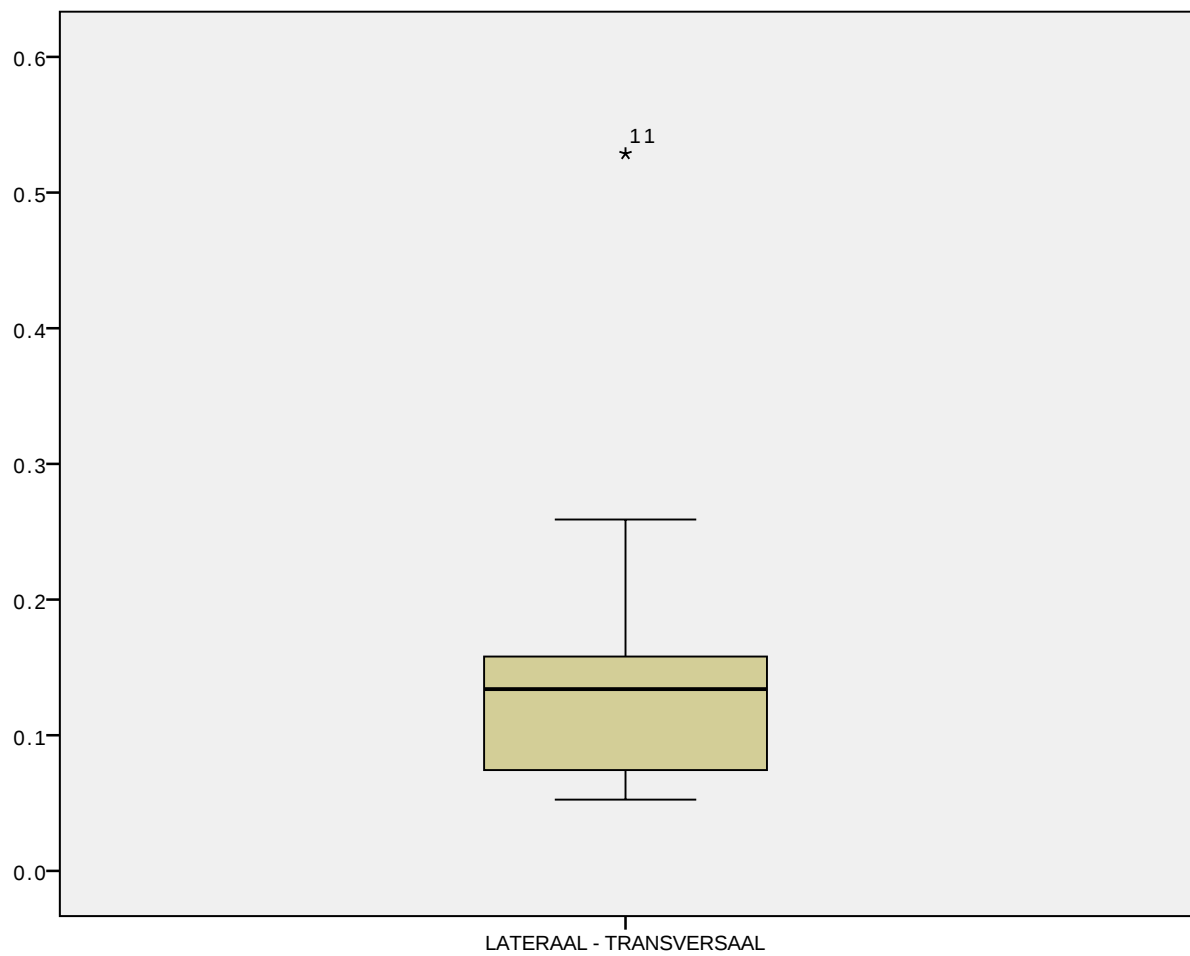
a. Lilliefors Significance Correction

LATERAAL - TRANSVERSAAL

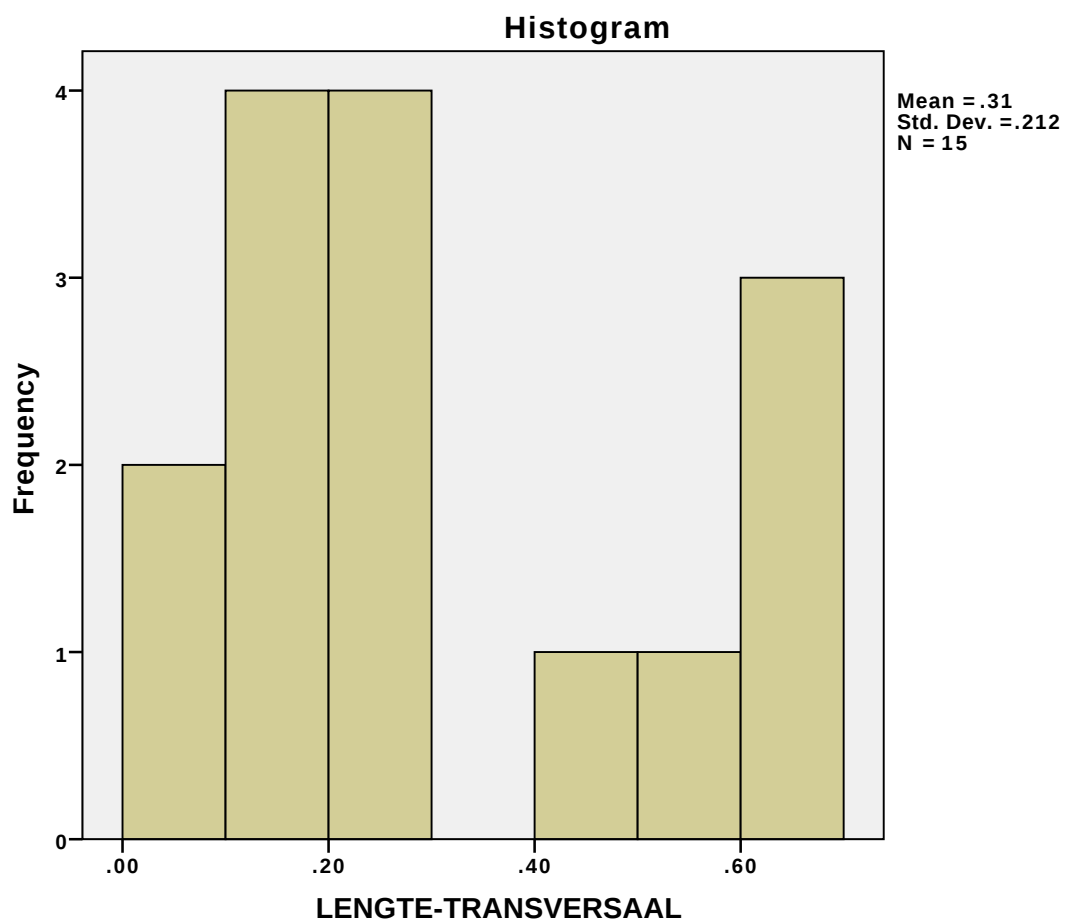


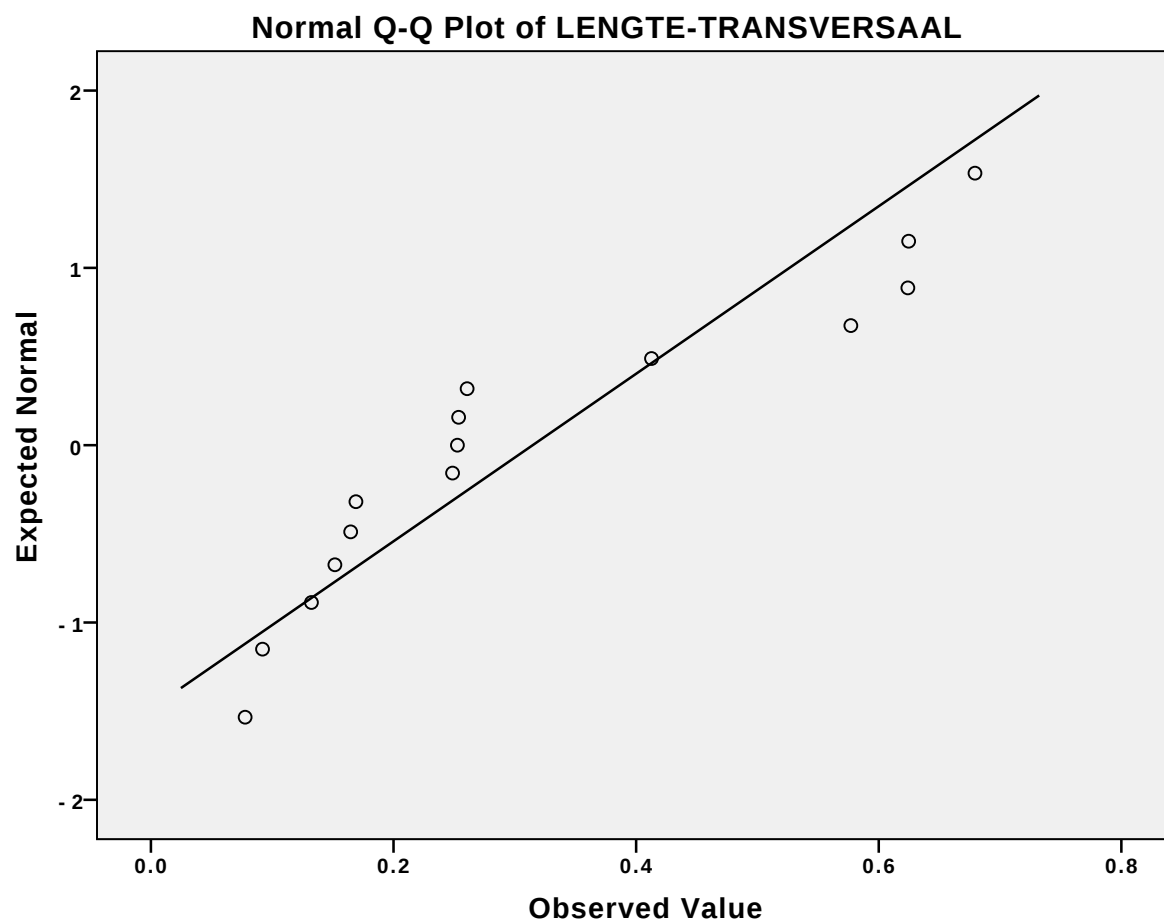


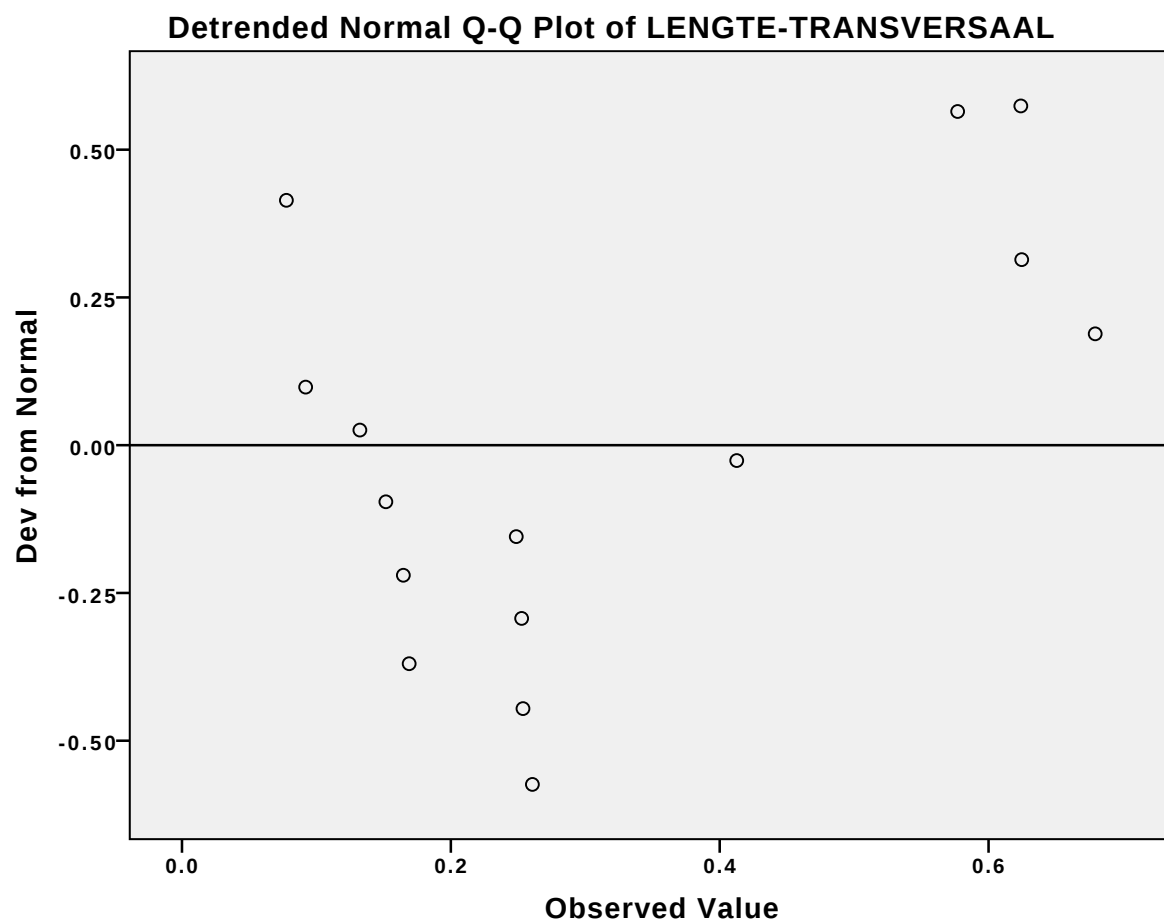


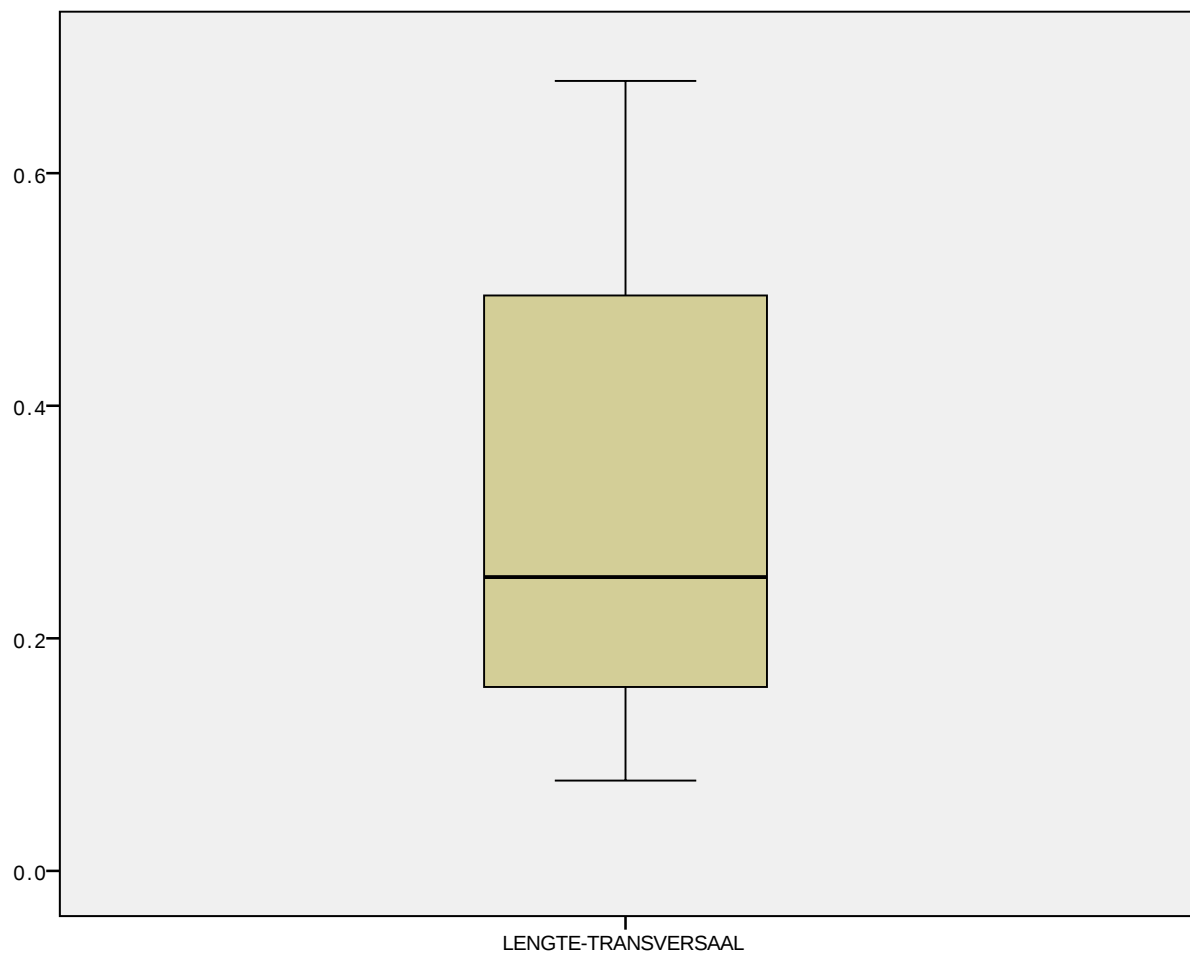


LENGTE-TRANSVERSAAL

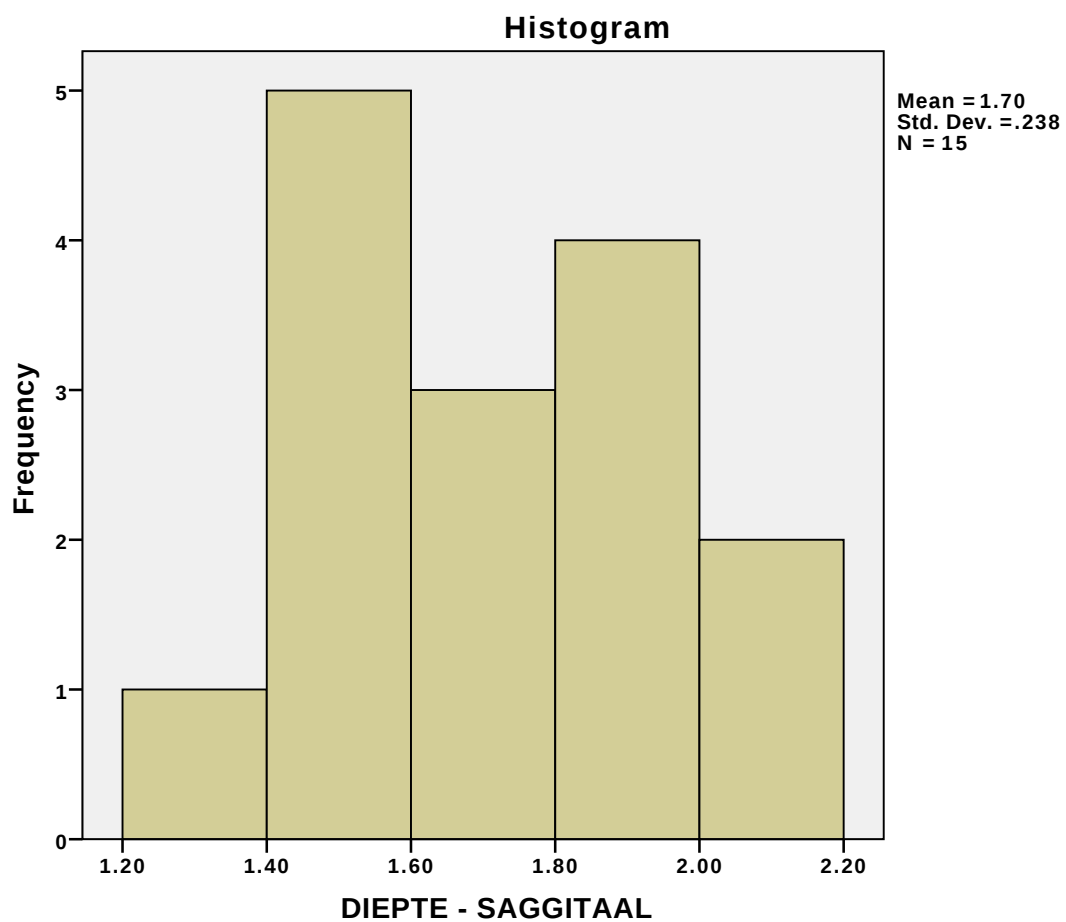


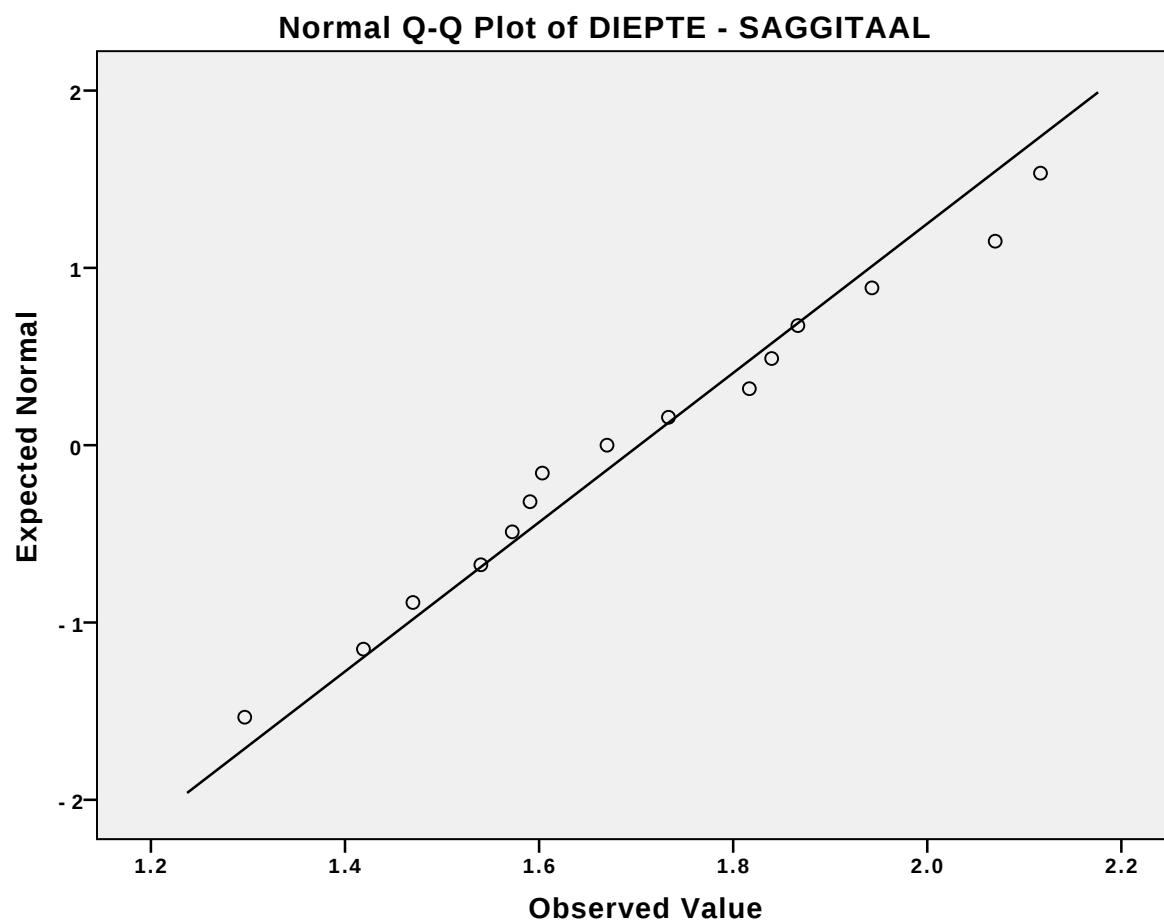


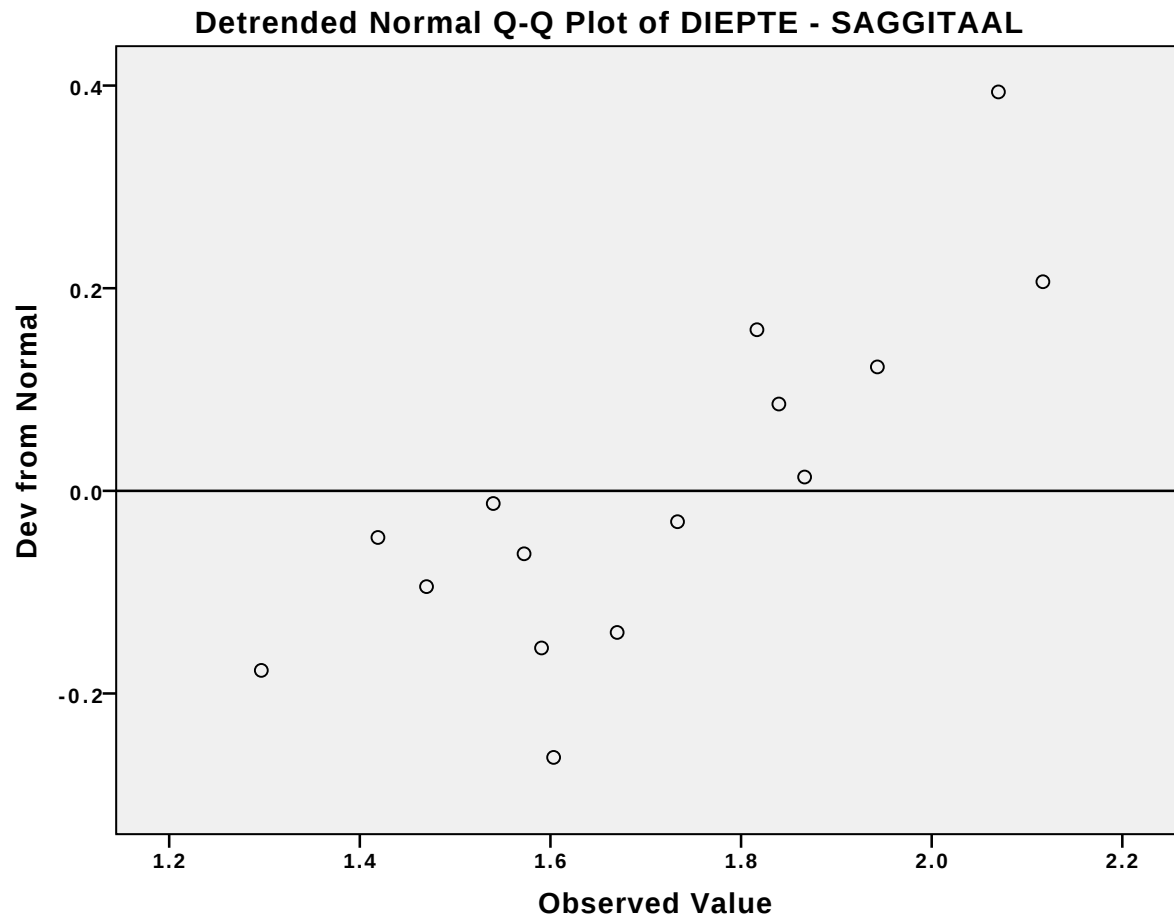


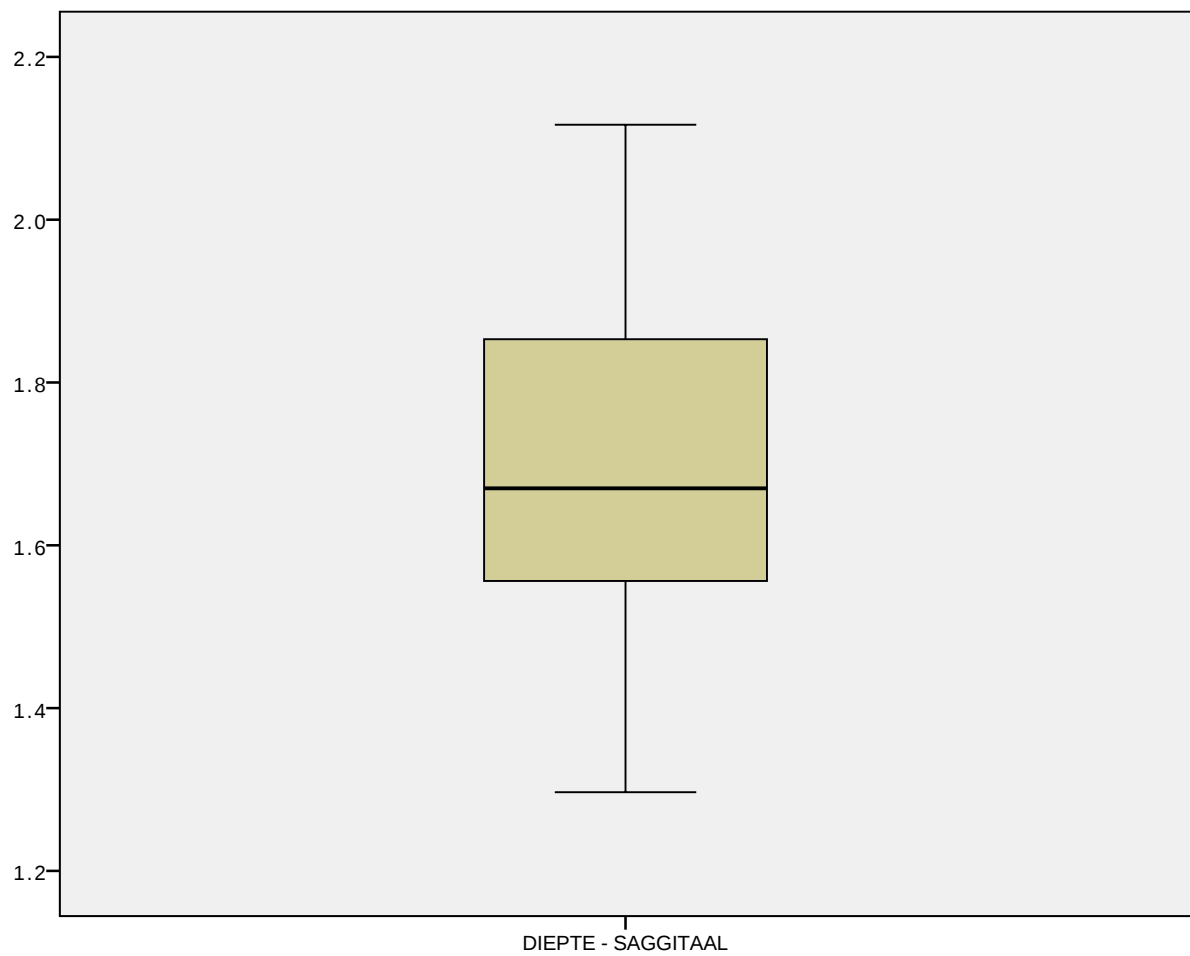


DIEPTE - SAGGITAAL

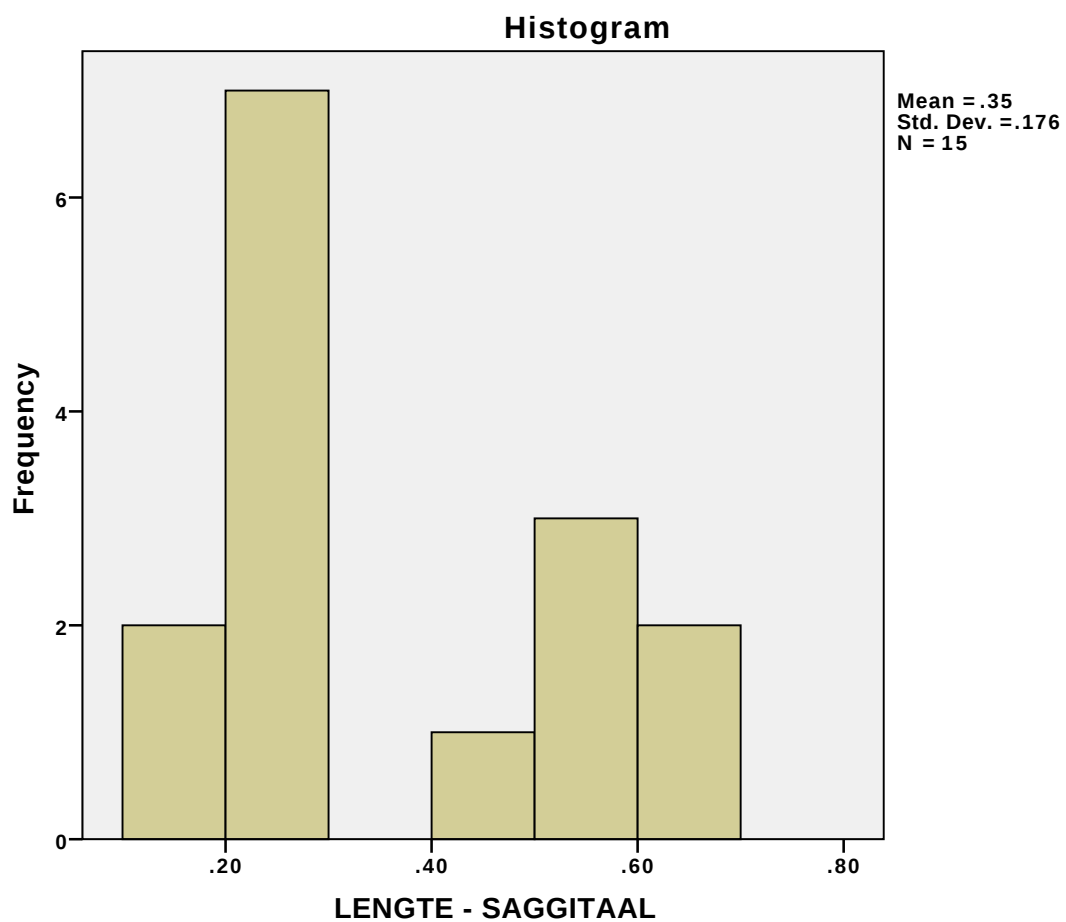


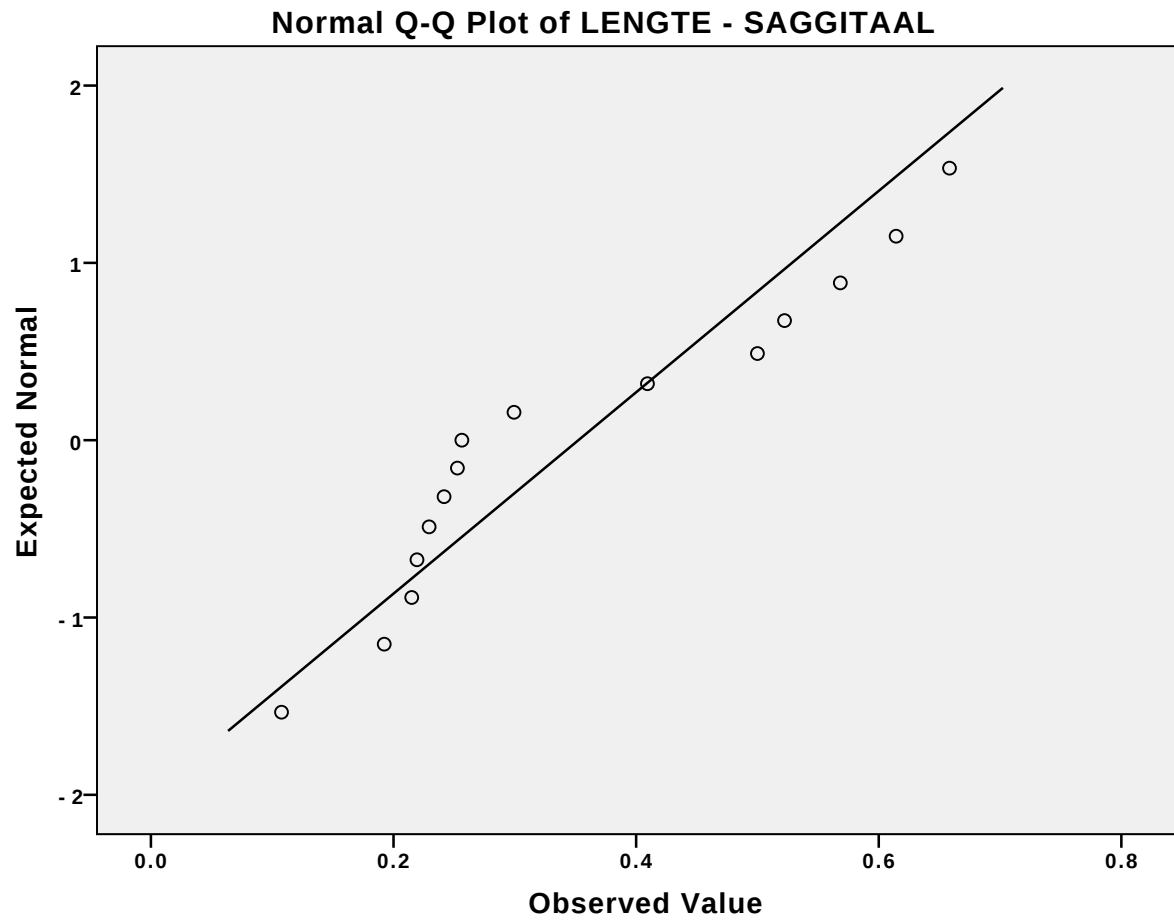


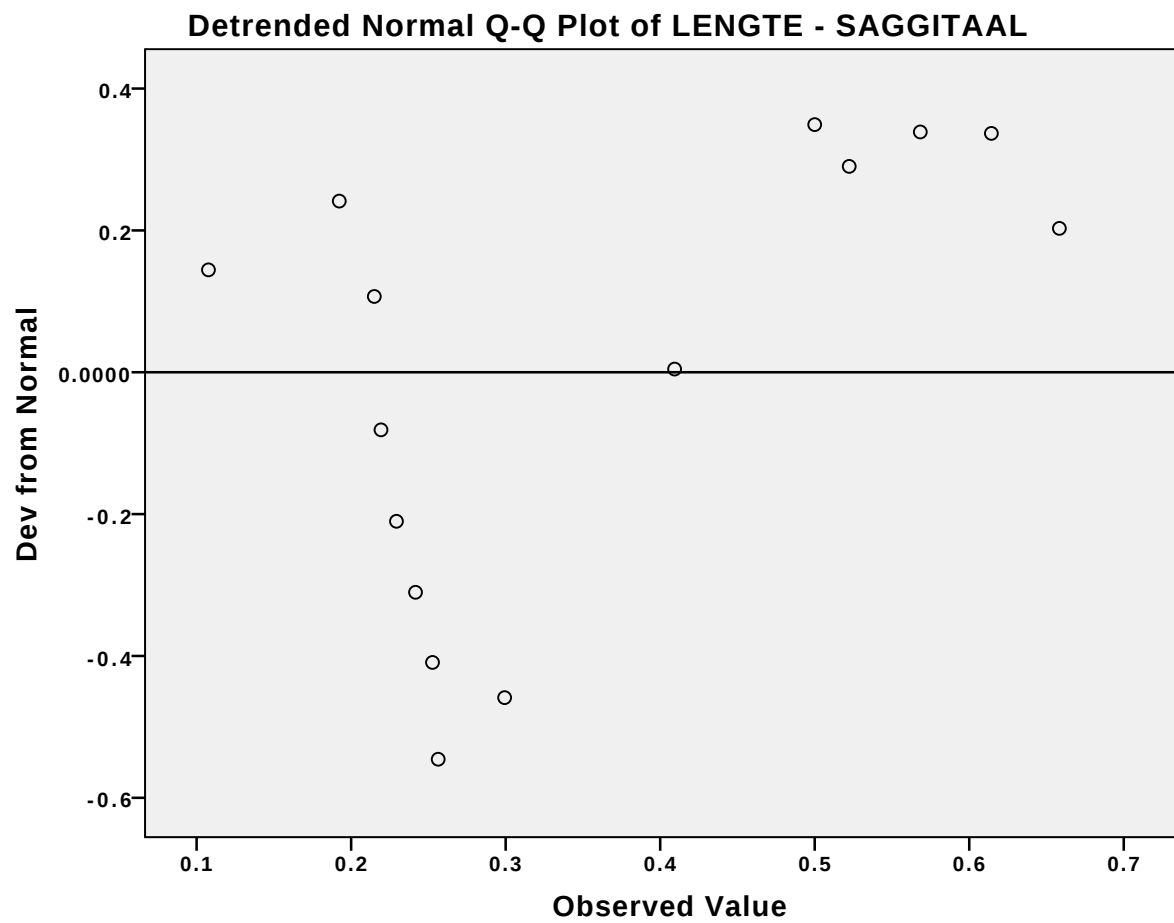


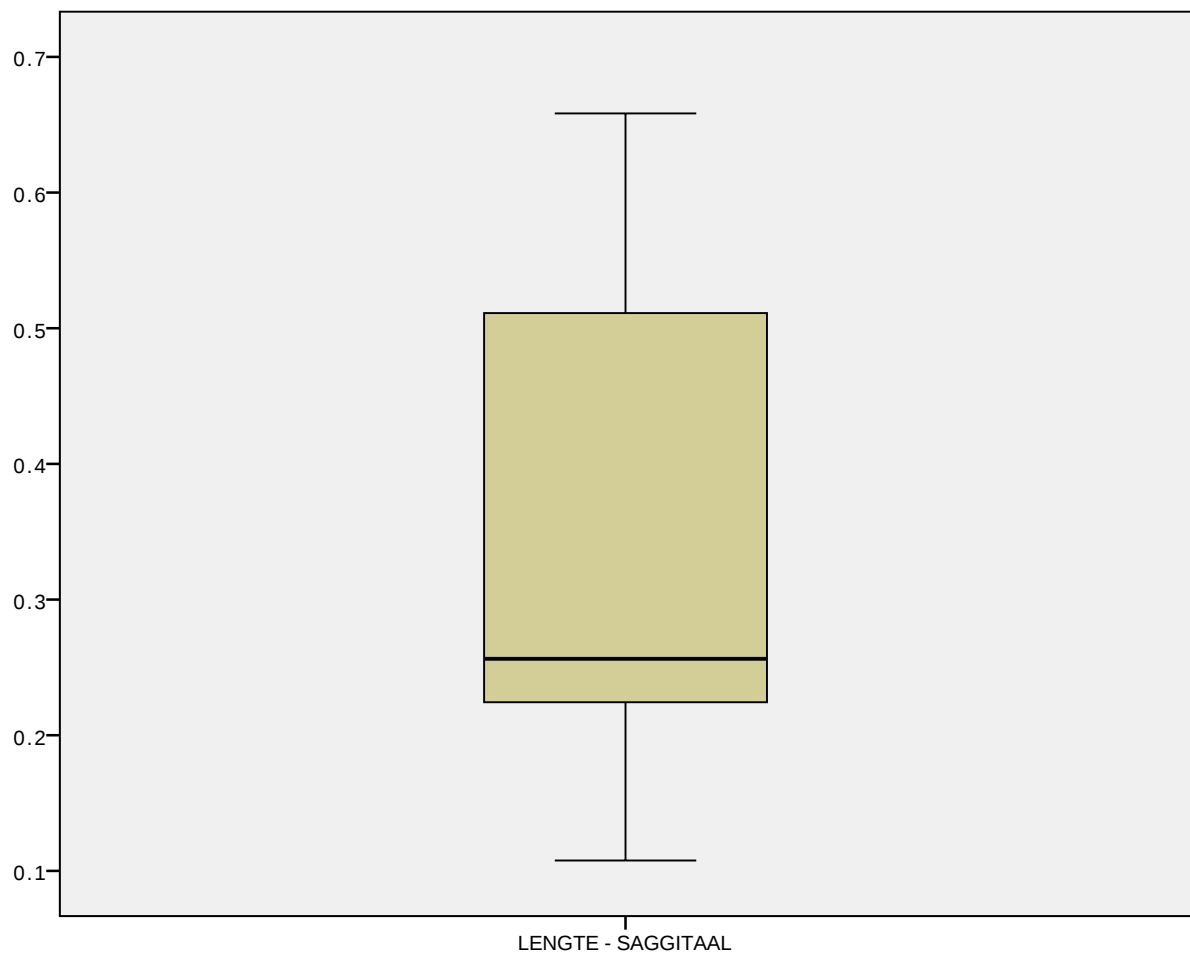


LENGTE - SAGGITAAL

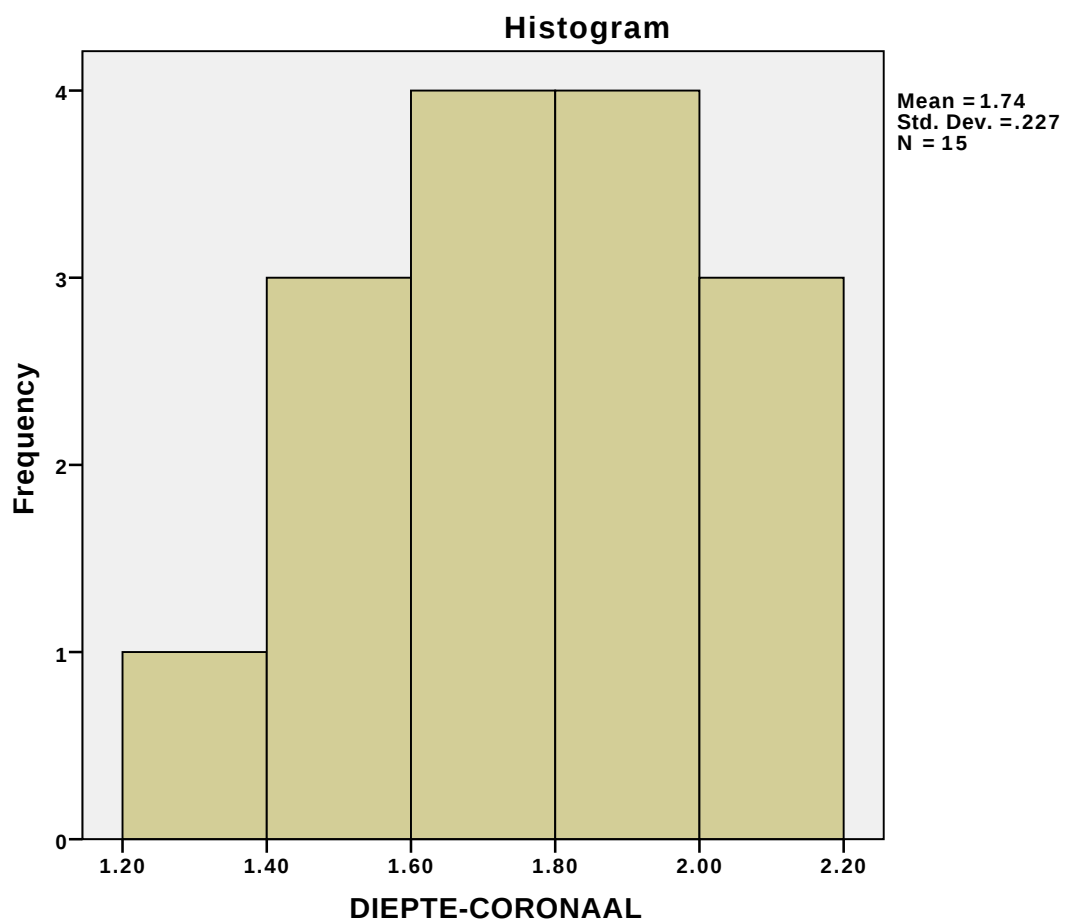


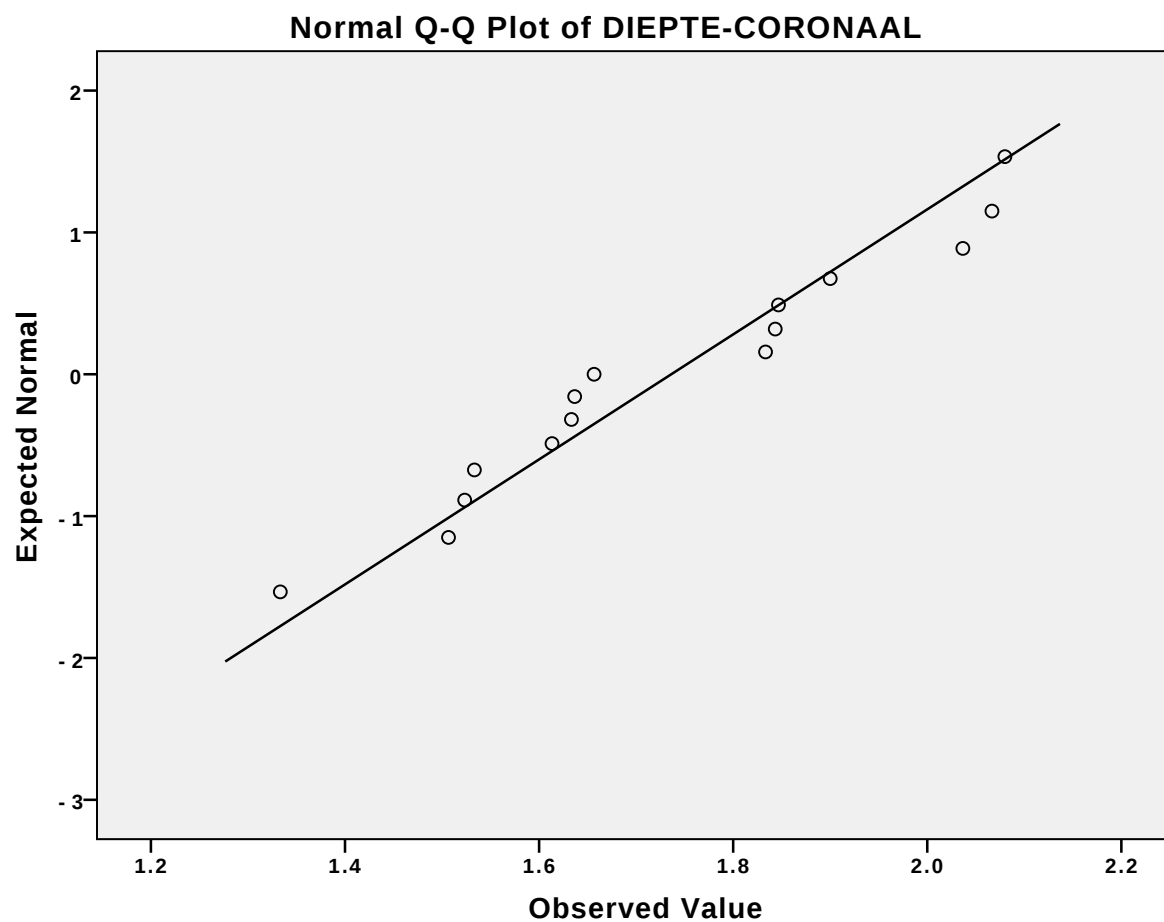


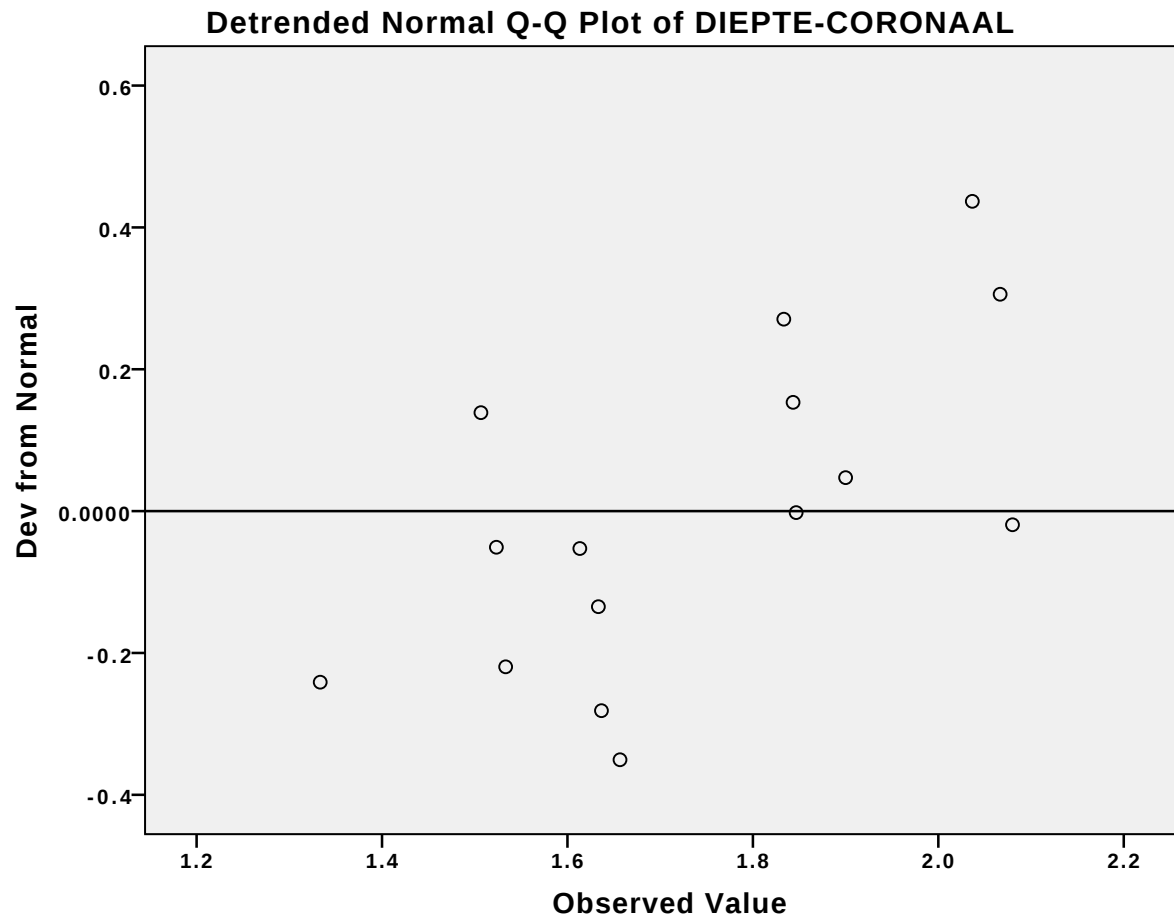


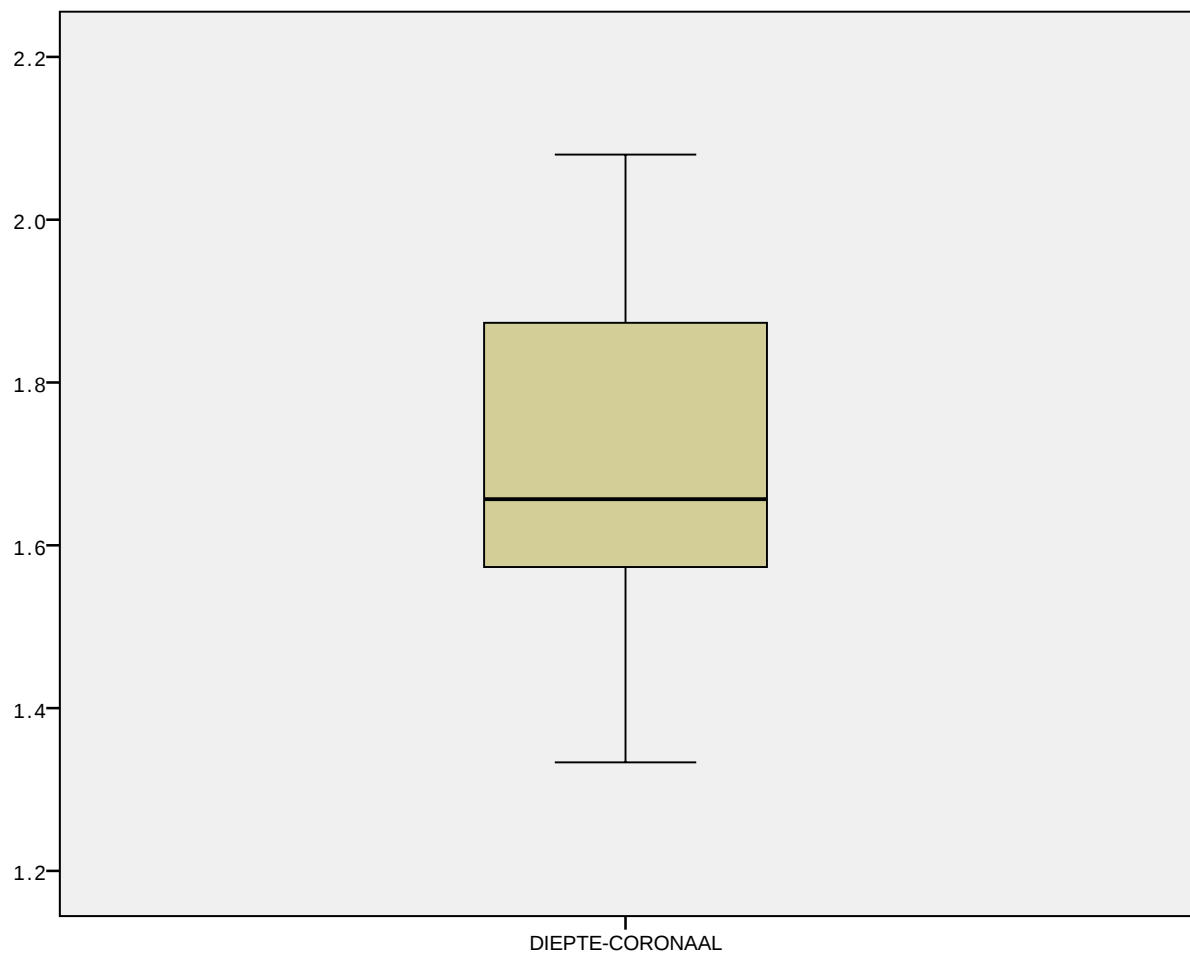


DIEPTE-CORONAAL

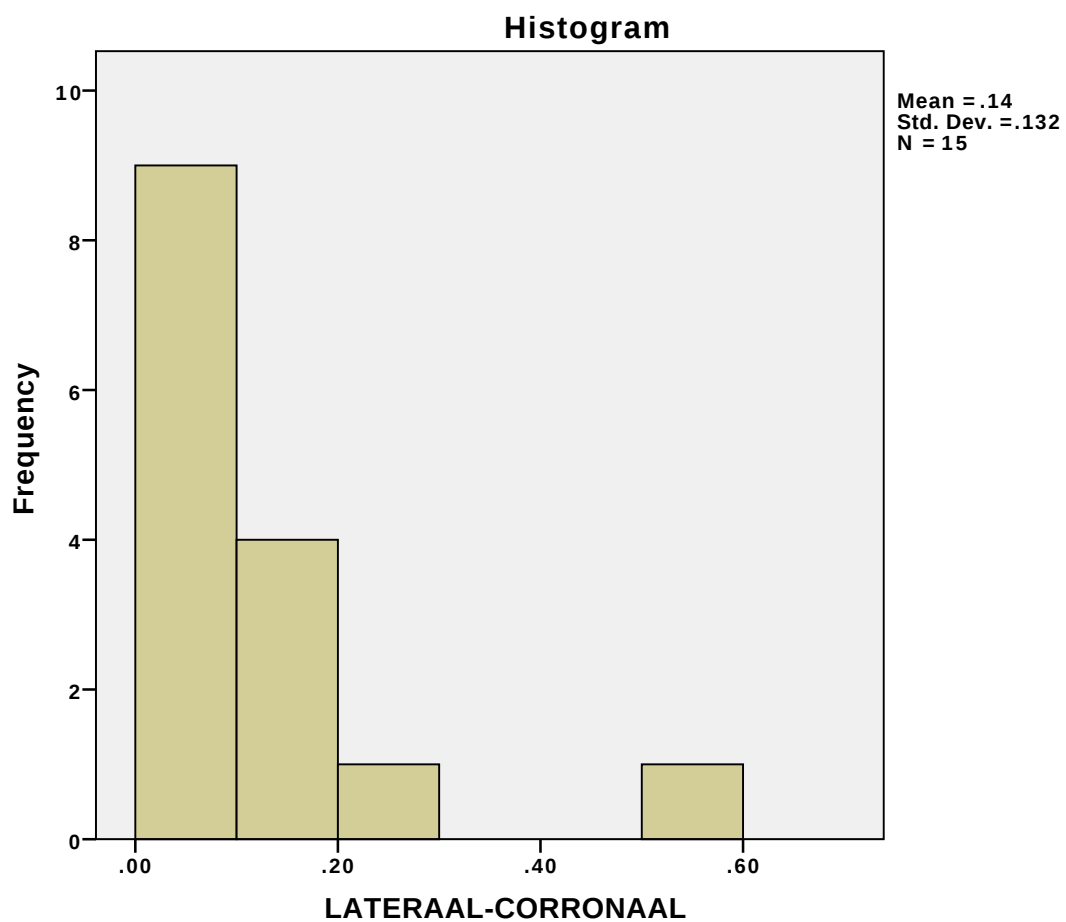


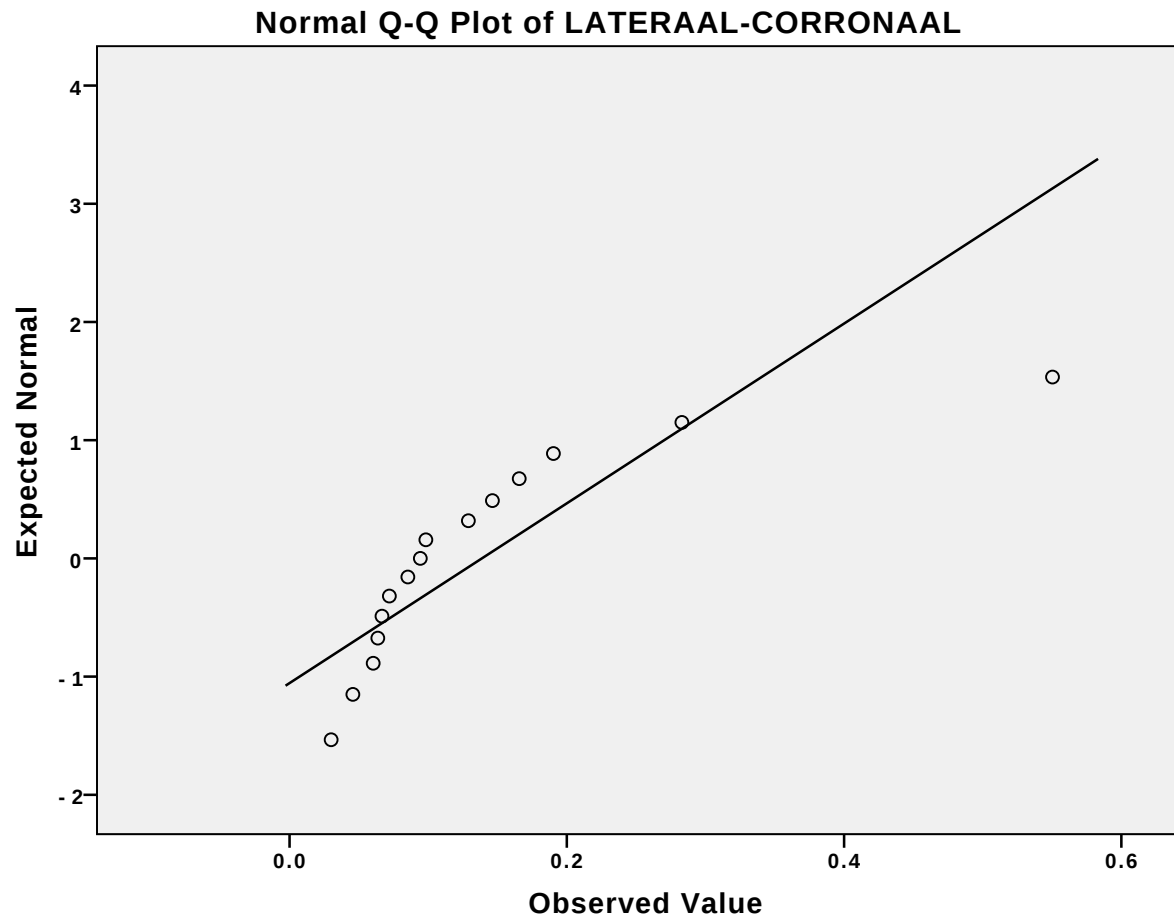


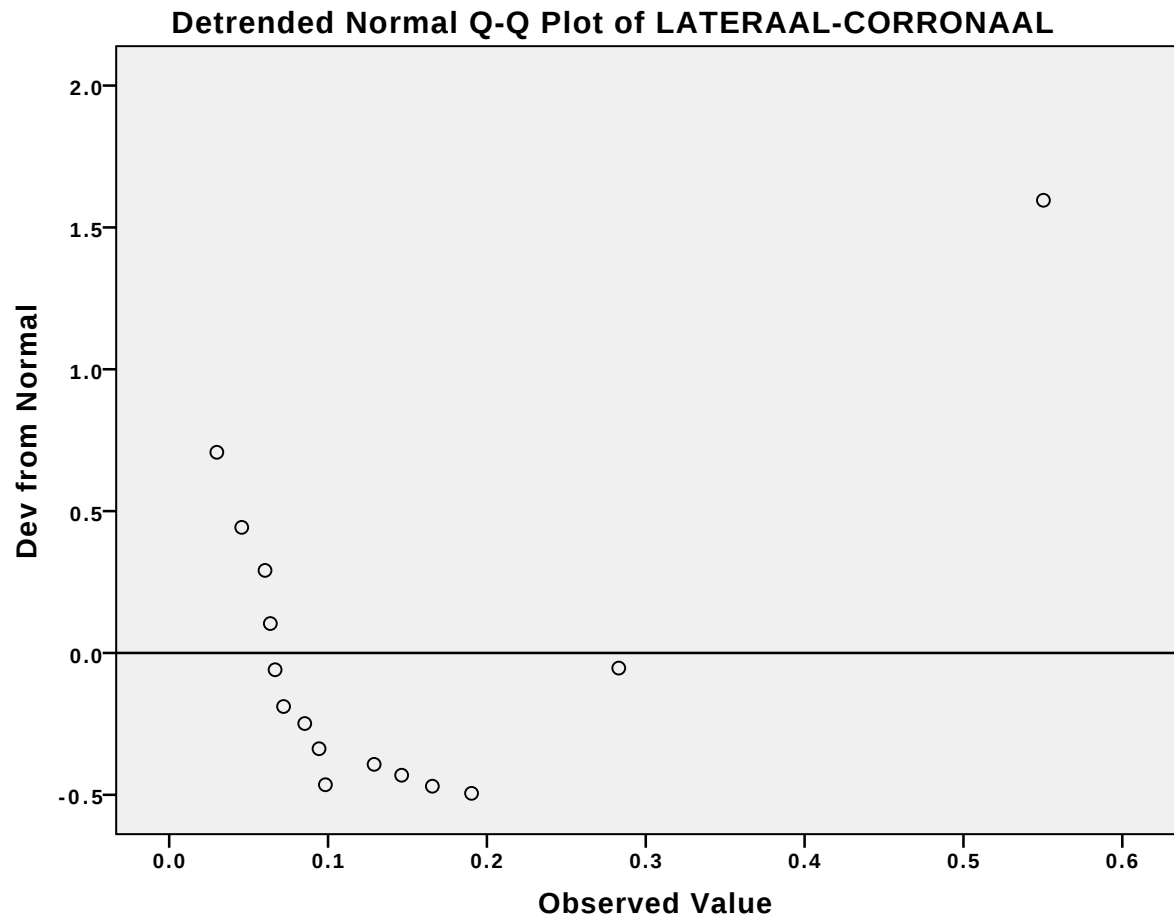




LATERAAL-CORRONAAL









NPAR TESTS
 /WILCOXON=LATERAALTRANSVERSAALLENGTETRANSVERSAALDIEPTESAGGITAALWITH LA
 TERAALCORRONAAL
 LENGTESAGGITAALDIEPTECORONAAL (PAIRED)
 /MISSING ANALYSIS.

NPar Tests

Notes

Output Created		10-APR-2017 13:56:...
Comments		
Input	Active Dataset	DataSet7
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS
		/WILCOXON=LATERAAL TRANSVERSAAL LENGTETRANSVERSAAL DIEPTESAGGITAAL WITH LATERAALCORRONAAL LENGTESAGGITAAL DIEPTECORONAAL (PAIRED) /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	285975

a. Based on availability of workspace memory.

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
LATERAAL-CORRONAAL - LATERAAL - TRANSVERSAAL	Negative Ranks	11 ^a	9.27	102.00
	Positive Ranks	7 ^b	9.86	69.00
	Ties	0 ^c		
	Total	18		
LENGTE - SAGGITAAL - LENGTE- TRANSVERSAAL	Negative Ranks	6 ^d	6.67	40.00
	Positive Ranks	9 ^e	8.89	80.00
	Ties	0 ^f		
	Total	15		
DIEPTE-CORONAAL - DIEPTE - SAGGITAAL	Negative Ranks	6 ^g	7.25	43.50
	Positive Ranks	12 ^h	10.63	127.50
	Ties	0 ⁱ		
	Total	18		

a. LATERAAL-CORRONAAL < LATERAAL - TRANSVERSAAL

b. LATERAAL-CORRONAAL > LATERAAL - TRANSVERSAAL

c. LATERAAL-CORRONAAL = LATERAAL - TRANSVERSAAL

d. LENGTE - SAGGITAAL < LENGTE-TRANSVERSAAL

e. LENGTE - SAGGITAAL > LENGTE-TRANSVERSAAL

f. LENGTE - SAGGITAAL = LENGTE-TRANSVERSAAL

g. DIEPTE-CORONAAL < DIEPTE - SAGGITAAL

h. DIEPTE-CORONAAL > DIEPTE - SAGGITAAL

i. DIEPTE-CORONAAL = DIEPTE - SAGGITAAL

Test Statistics^a

	LATERAAL-CORRONAAL - LATERAAL - TRANSVERSAA L	LENGTE - SAGGITAAL - LENGTE- TRANSVERSAA L	DIEPTE-CORONAAL - DIEPTE - SAGGITAAL
Z	-.719 ^b	-1.136 ^c	-1.830 ^c
Asymp. Sig. (2-tailed)	.472	.256	.067

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

c. Based on negative ranks.