```
T-TEST GROUPS=Randomization(1 2)
 /MISSING=ANALYSIS
 /VARIABLES=EL
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

T-Test

Notes

Output Created		17-DEC-2021 14:55:26
Comments		
Input	Data	C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\Questionaire\NHP\Data 6 Weeks Follow Up\DATA NHP - 6 WEEKS FOLLOW UP.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	250
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Randomization (1 2) /MISSING=ANALYSIS /VARIABLES=EL /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Group Statistics

	Toco/Placebo	N	Mean	Std. Deviation	Std. Error Mean
EL	Tocotrienol	109	14.9945	22.66442	2.17086
	Placebo	111	20.1081	28.00571	2.65818

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
EL	Equal variances assumed	6.264	.013	-1.487	218
	Equal variances not assumed			-1.490	210.356

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
EL	Equal variances assumed	.138	-5.11361	3.43853	-11.89064
	Equal variances not assumed	.138	-5.11361	3.43199	-11.87912

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the ...	
		Upper	
EL	Equal variances assumed	1.66341	
	Equal variances not assumed	1.65189	

Independent Samples Effect Sizes

		Standardizer[a]	Point Estimate	95% Confidence Interval	
				Lower	Upper
EL	Cohen's d	25.49979	-.201	-.465	.065
	Hedges' correction	25.58794	-.200	-.464	.064
	Glass's delta	28.00571	-.183	-.448	.083

a. The denominator used in estimating the effect sizes.
Cohen's d uses the pooled standard deviation.
Hedges' correction uses the pooled standard deviation, plus a correction factor.
Glass's delta uses the sample standard deviation of the control group.

```
T-TEST GROUPS=Randomization(1 2)
 /MISSING=ANALYSIS
 /VARIABLES=P
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

T-Test

Notes

Output Created		17-DEC-2021 14:56:31
Comments		
Input	Data	C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\Questionaire\NHP\Data 6 Weeks Follow Up\DATA NHP - 6 WEEKS FOLLOW UP.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	250

Notes

Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Randomization (1 2) /MISSING=ANALYSIS /VARIABLES=P /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.02

Group Statistics

	Toco/Placebo	N	Mean	Std. Deviation	Std. Error Mean
P	Tocotrienol	107	6.8571	13.08349	1.26483
	Placebo	111	8.4057	16.93861	1.60774

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
P	Equal variances assumed	2.369	.125	-.753	216
	Equal variances not assumed			-.757	206.294

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
P	Equal variances assumed	.452	-1.54857	2.05518	-5.59936
	Equal variances not assumed	.450	-1.54857	2.04564	-5.58161

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the ...	
		Upper	
P	Equal variances assumed	2.50221	
	Equal variances not assumed	2.48446	

Independent Samples Effect Sizes

				95% Confidence Interval	
		Standardizer[a]	Point Estimate	Lower	Upper
P	Cohen's d	15.16967	-.102	-.368	.164
	Hedges' correction	15.22259	-.102	-.366	.163
	Glass's delta	16.93861	-.091	-.357	.175

a. The denominator used in estimating the effect sizes.
Cohen's d uses the pooled standard deviation.
Hedges' correction uses the pooled standard deviation, plus a correction factor.
Glass's delta uses the sample standard deviation of the control group.

```
T-TEST GROUPS=Randomization(1 2)
 /MISSING=ANALYSIS
 /VARIABLES=ER
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

T-Test

Notes

Output Created		17-DEC-2021 14:57:35
Comments		
Input	Data	C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\Questionaire\NHP\Data 6 Weeks Follow Up\DATA NHP - 6 WEEKS FOLLOW UP.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	250
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Randomization(1 2) /MISSING=ANALYSIS /VARIABLES=ER /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Group Statistics

	Toco/Placebo	N	Mean	Std. Deviation	Std. Error Mean
ER	Tocotrienol	109	1.3550	7.28529	.69780
	Placebo	111	2.7895	9.76873	.92721

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
ER	Equal variances assumed	5.125	.025	-1.233	218
	Equal variances not assumed			-1.236	203.426

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
ER	Equal variances assumed	.219	-1.43441	1.16348	-3.72751
	Equal variances not assumed	.218	-1.43441	1.16045	-3.72247

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the ...	
		Upper	
ER	Equal variances assumed	.85869	
	Equal variances not assumed	.85364	

Independent Samples Effect Sizes

		Standardizer[a]	Point Estimate	95% Confidence Interval	
				Lower	Upper
ER	Cohen's d	8.62821	-.166	-.431	.099
	Hedges' correction	8.65804	-.166	-.429	.098
	Glass's delta	9.76873	-.147	-.412	.118

a. The denominator used in estimating the effect sizes.
Cohen's d uses the pooled standard deviation.
Hedges' correction uses the pooled standard deviation, plus a correction factor.
Glass's delta uses the sample standard deviation of the control group.

```
T-TEST GROUPS=Randomization(1 2)
 /MISSING=ANALYSIS
 /VARIABLES=S
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

T-Test

Notes

Output Created		17-DEC-2021 14:58:36
Comments		
Input	Data	C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\Questionaire\NHP\Data 6 Weeks Follow Up\DATA NHP - 6 WEEKS FOLLOW UP.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	250

Notes

Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Randomization (1 2) /MISSING=ANALYSIS /VARIABLES=S /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Group Statistics

	Toco/Placebo	N	Mean	Std. Deviation	Std. Error Mean
S	Tocotrienol	109	11.1382	21.14317	2.02515
	Placebo	111	21.1003	31.58339	2.99776

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
S	Equal variances assumed	37.213	.000	-2.744	218
	Equal variances not assumed			-2.754	192.481

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
S	Equal variances assumed	.007	-9.96211	3.63032	-17.11712
	Equal variances not assumed	.006	-9.96211	3.61771	-17.09755

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the ...	
		Upper	
S	Equal variances assumed	-2.80709	
	Equal variances not assumed	-2.82666	

Independent Samples Effect Sizes

				95% Confidence Interval	
		Standardizer[a]	Point Estimate	Lower	Upper
S	Cohen's d	26.92206	-.370	-.636	-.103
	Hedges' correction	27.01512	-.369	-.634	-.103
	Glass's delta	31.58339	-.315	-.582	-.047

a. The denominator used in estimating the effect sizes.
Cohen's d uses the pooled standard deviation.
Hedges' correction uses the pooled standard deviation, plus a correction factor.
Glass's delta uses the sample standard deviation of the control group.

```
T-TEST GROUPS=Randomization(1 2)
 /MISSING=ANALYSIS
 /VARIABLES=SI
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

T-Test

Notes

Output Created		17-DEC-2021 15:01:45
Comments		
Input	Data	C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\Questionaire\NHP\Data 6 Weeks Follow Up\DATA NHP - 6 WEEKS FOLLOW UP.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	250
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Randomization(1 2) /MISSING=ANALYSIS /VARIABLES=SI /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Group Statistics

	Toco/Placebo	N	Mean	Std. Deviation	Std. Error Mean
SI	Tocotrienol	109	.7666	3.98351	.38155
	Placebo	111	1.9233	9.50430	.90211

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
SI	Equal variances assumed	5.635	.018	-1.173	218
	Equal variances not assumed			-1.181	148.051

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
SI	Equal variances assumed	.242	-1.15673	.98577	-3.09959
	Equal variances not assumed	.240	-1.15673	.97948	-3.09230

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the ...	
		Upper	
SI	Equal variances assumed	.78614	
	Equal variances not assumed	.77884	

Independent Samples Effect Sizes

		Standardizer[a]	Point Estimate	95% Confidence Interval	
				Lower	Upper
SI	Cohen's d	7.31038	-.158	-.423	.107
	Hedges' correction	7.33565	-.158	-.421	.106
	Glass's delta	9.50430	-.122	-.386	.143

a. The denominator used in estimating the effect sizes.
Cohen's d uses the pooled standard deviation.
Hedges' correction uses the pooled standard deviation, plus a correction factor.
Glass's delta uses the sample standard deviation of the control group.

```
T-TEST GROUPS=Randomization(1 2)
 /MISSING=ANALYSIS
 /VARIABLES=PA
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

T-Test

Notes

Output Created		17-DEC-2021 15:02:59
Comments		
Input	Data	C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\Questionaire\NHP\Data 6 Weeks Follow Up\DATA NHP - 6 WEEKS FOLLOW UP.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	250

Notes

Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Randomization (1 2) /MISSING=ANALYSIS /VARIABLES=PA /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Group Statistics

	Toco/Placebo	N	Mean	Std. Deviation	Std. Error Mean
PA	Tocotrienol	109	12.0855	19.41303	1.85943
	Placebo	111	11.1260	19.31296	1.83311

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
PA	Equal variances assumed	.013	.910	.367	218
	Equal variances not assumed			.367	217.880

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
PA	Equal variances assumed	.714	.95947	2.61096	-4.18649
	Equal variances not assumed	.714	.95947	2.61108	-4.18675

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the ...	
		Upper	
PA	Equal variances assumed	6.10543	
	Equal variances not assumed	6.10568	

Independent Samples Effect Sizes

				95% Confidence Interval	
		Standardizer[a]	Point Estimate	Lower	Upper
PA	Cohen's d	19.36260	.050	-.215	.314
	Hedges' correction	19.42954	.049	-.214	.313
	Glass's delta	19.31296	.050	-.215	.314

a. The denominator used in estimating the effect sizes.
Cohen's d uses the pooled standard deviation.
Hedges' correction uses the pooled standard deviation, plus a correction factor.
Glass's delta uses the sample standard deviation of the control group.

```
EXAMINE VARIABLES=EL P ER S SI PA
 /PLOT BOXPLOT STEMLEAF HISTOGRAM NPPLOT
 /COMPARE GROUPS
 /STATISTICS DESCRIPTIVES
 /CINTERVAL 95
 /MISSING LISTWISE
 /NOTOTAL.
```

```
EXAMINE VARIABLES=EL P ER S SI PA
 /PLOT BOXPLOT STEMLEAF HISTOGRAM NPPLOT
 /COMPARE GROUPS
 /STATISTICS DESCRIPTIVES
 /CINTERVAL 95
 /MISSING LISTWISE
 /NOTOTAL.
```

Explore

Notes

Output Created		17-DEC-2021 15:23:50
Comments		
Input	Data	C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\Questionaire\NHP\Data 6 Weeks Follow Up\DATA NHP - 6 WEEKS FOLLOW UP.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	250
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=EL P ER S SI PA /PLOT BOXPLOT STEMLEAF HISTOGRAM NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE...

Notes

Resources	Processor Time	00:00:05.70
	Elapsed Time	00:00:05.17

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
EL	218	87.2%	32	12.8%	250	100.0%
P	218	87.2%	32	12.8%	250	100.0%
ER	218	87.2%	32	12.8%	250	100.0%
S	218	87.2%	32	12.8%	250	100.0%
SI	218	87.2%	32	12.8%	250	100.0%
PA	218	87.2%	32	12.8%	250	100.0%

Descriptives

			Statistic	Std. Error
EL	Mean		17.7358	1.73601
	95% Confidence Interval for Mean	Lower Bound	14.3142	
		Upper Bound	21.1574	
	5% Trimmed Mean		14.7629	
	Median		.0000	
	Variance		656.990	
	Std. Deviation		25.63182	
	Minimum		.00	
	Maximum		100.00	
	Range		100.00	
	Interquartile Range		36.80	
	Skewness		1.382	.165
	Kurtosis		1.463	.328
P	Mean		7.6456	1.02640
	95% Confidence Interval for Mean	Lower Bound	5.6226	
		Upper Bound	9.6686	
	5% Trimmed Mean		5.1905	
	Median		.0000	
	Variance		229.660	
	Std. Deviation		15.15455	

Descriptives

			Statistic	Std. Error
	Minimum		.00	
	Maximum		100.00	
	Range		100.00	
	Interquartile Range		9.99	
	Skewness		3.294	.165
	Kurtosis		13.658	.328
ER	Mean		2.0978	.58760
	95% Confidence Interval for Mean	Lower Bound	.9397	
		Upper Bound	3.2560	
	5% Trimmed Mean		.3767	
	Median		.0000	
	Variance		75.270	
	Std. Deviation		8.67585	
	Minimum		.00	
	Maximum		62.58	
	Range		62.58	
	Interquartile Range		.00	
	Skewness		5.065	.165
	Kurtosis		27.105	.328
S	Mean		16.2551	1.85732
	95% Confidence Interval for Mean	Lower Bound	12.5945	
		Upper Bound	19.9158	
	5% Trimmed Mean		13.7165	
	Median		.0000	
	Variance		752.017	
	Std. Deviation		27.42293	
	Minimum		.00	
	Maximum		83.90	
	Range		83.90	
	Interquartile Range		28.67	
	Skewness		1.427	.165
	Kurtosis		.467	.328
SI	Mean		1.2593	.48813
	95% Confidence Interval for Mean	Lower Bound	.2972	
		Upper Bound	2.2213	

Descriptives

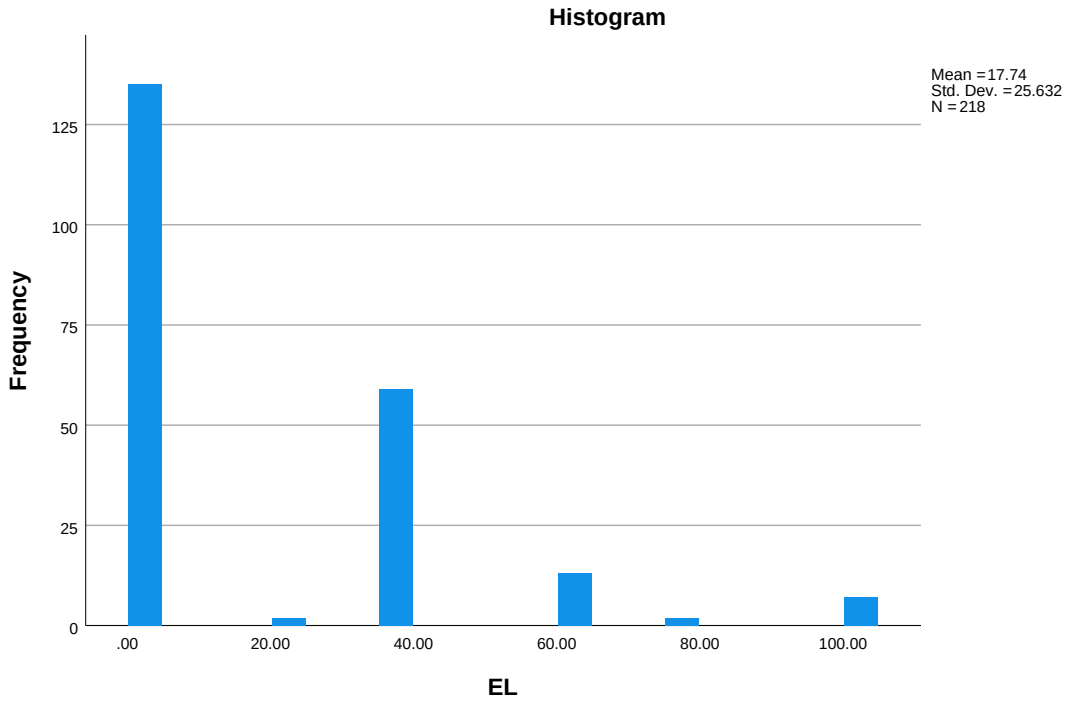
			Statistic	Std. Error
	5% Trimmed Mean		.0000	
	Median		.0000	
	Variance		51.943	
	Std. Deviation		7.20716	
	Minimum		.00	
	Maximum		79.87	
	Range		79.87	
	Interquartile Range		.00	
	Skewness		7.777	.165
	Kurtosis		72.345	.328
PA	Mean		11.6594	1.31373
	95% Confidence Interval for Mean	Lower Bound	9.0701	
		Upper Bound	14.2487	
	5% Trimmed Mean		9.0721	
	Median		.0000	
	Variance		376.243	
	Std. Deviation		19.39698	
	Minimum		.00	
	Maximum		80.13	
	Range		80.13	
	Interquartile Range		11.54	
	Skewness		1.907	.165
	Kurtosis		2.869	.328

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
EL	.375	218	.000	.696	218	.000
P	.331	218	.000	.564	218	.000
ER	.513	218	.000	.262	218	.000
S	.402	218	.000	.626	218	.000
SI	.528	218	.000	.170	218	.000
PA	.313	218	.000	.660	218	.000

a. Lilliefors Significance Correction

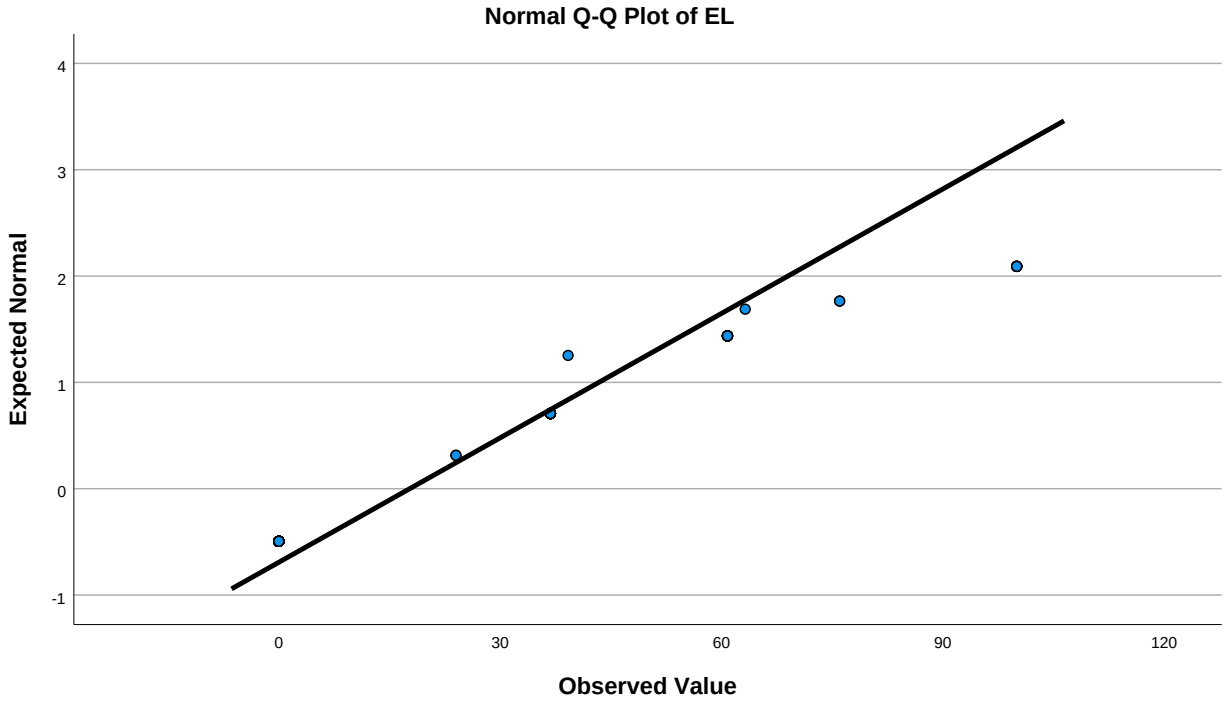
EL

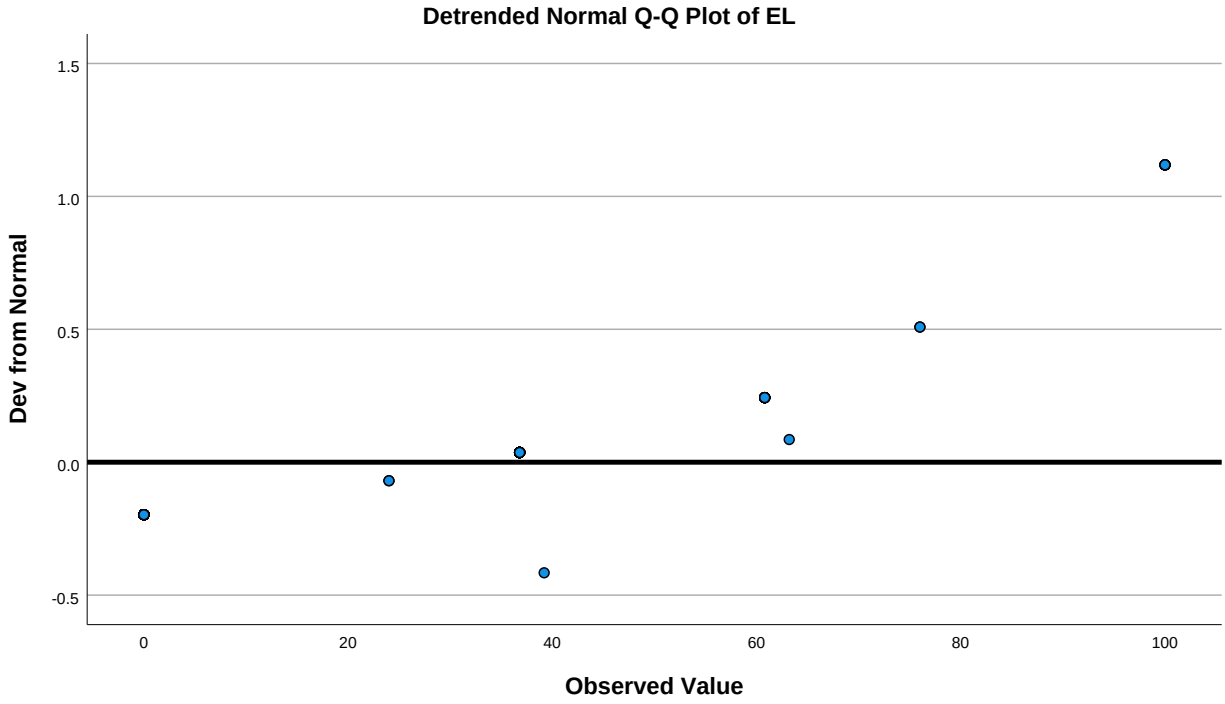


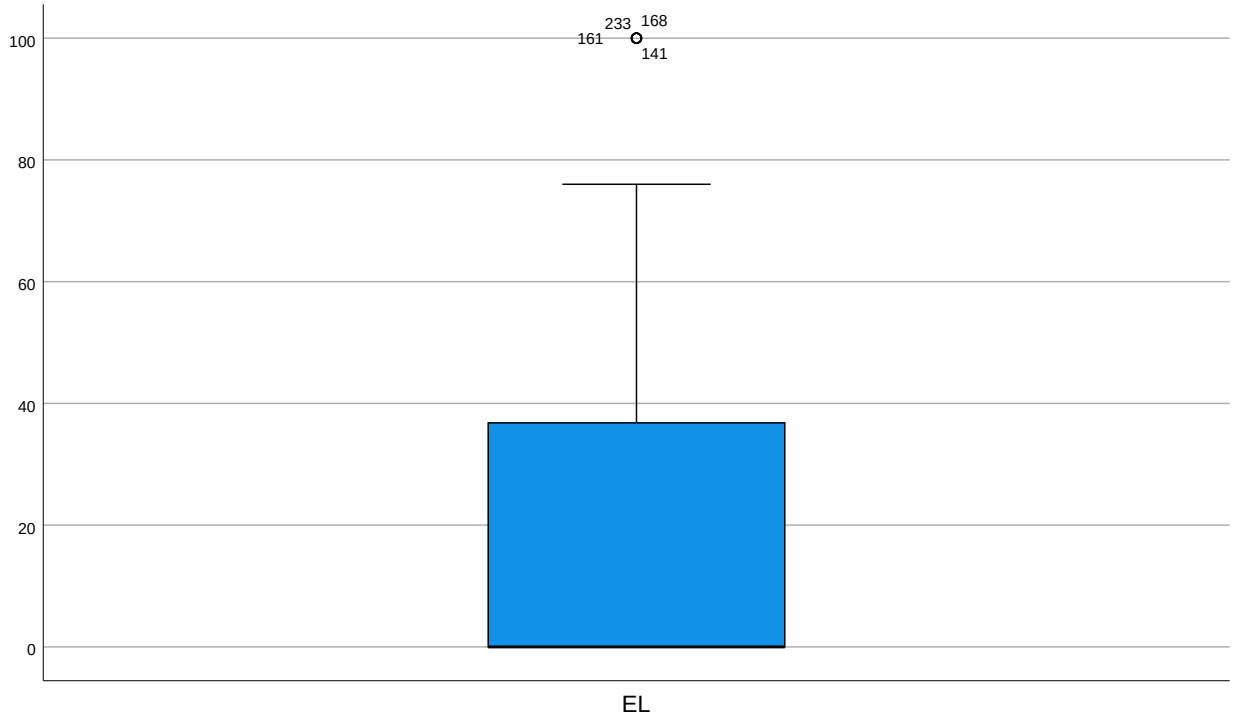
EL Stem-and-Leaf Plot

```
 Frequency    Stem &  Leaf

   135.00        0 .  000000000000000000000000000000000000000000000000000000000000000000000000000000
      .00        0 .
      .00        1 .
      .00        1 .
     2.00        2 .  4
      .00        2 .
      .00        3 .
    59.00        3 .  66666666666666666666666666666&
      .00        4 .
      .00        4 .
      .00        5 .
      .00        5 .
    13.00        6 .  000000&
      .00        6 .
      .00        7 .
     2.00        7 .  6
     7.00 Extremes    (>=100)

 Stem width:     10.00
 Each leaf:        2 case(s)
```

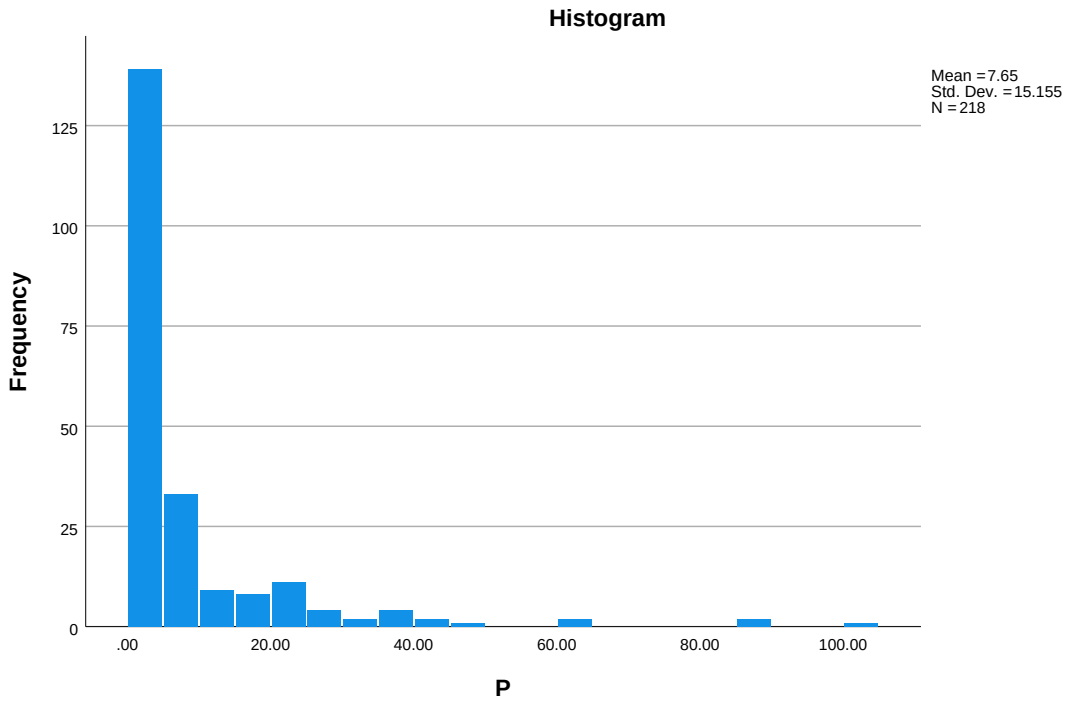
& denotes fractional leaves.







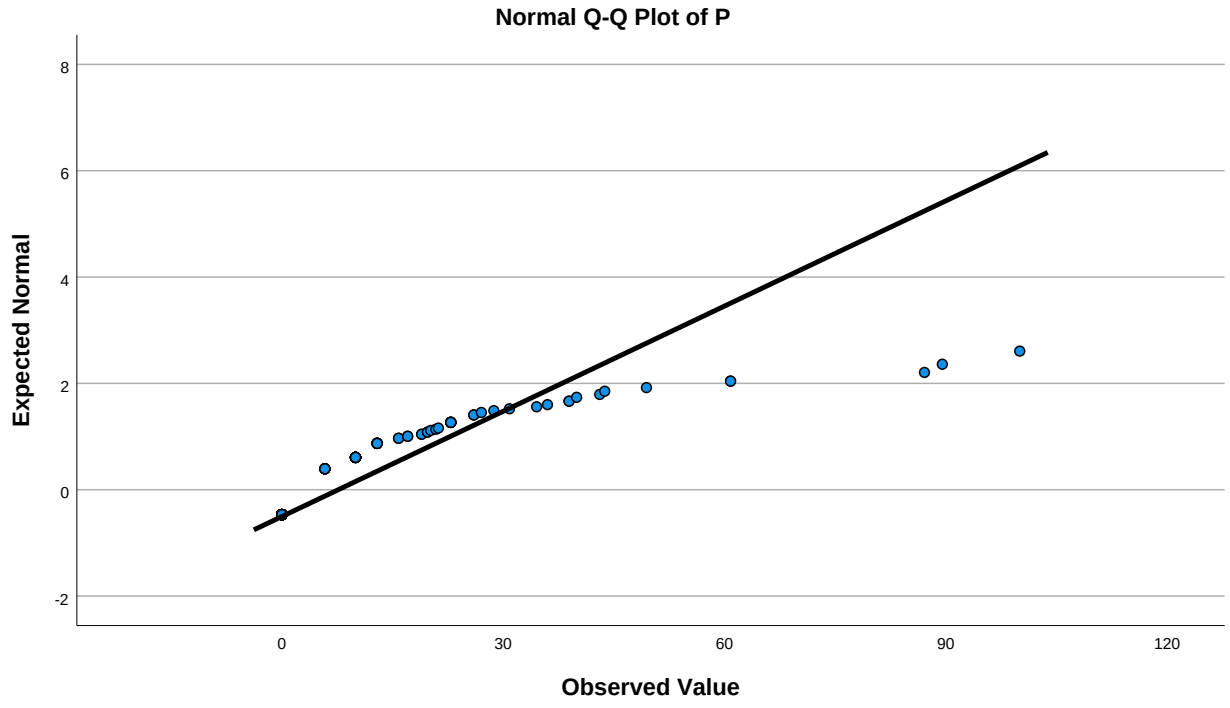
P

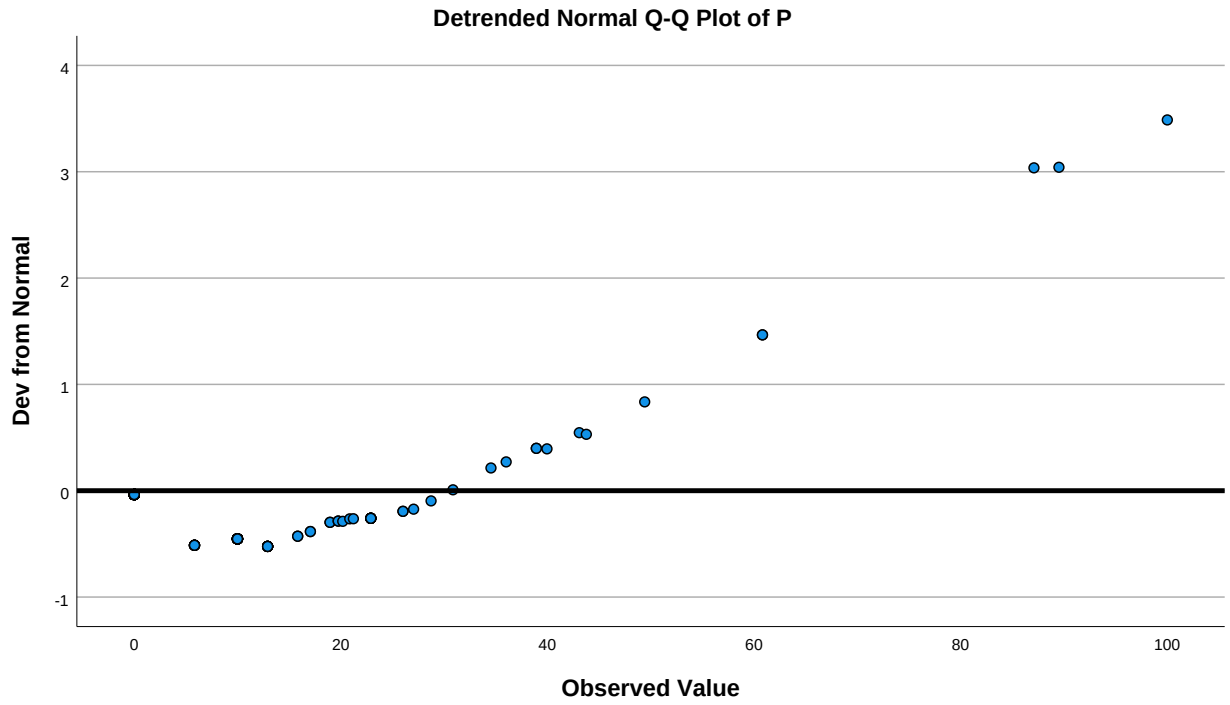


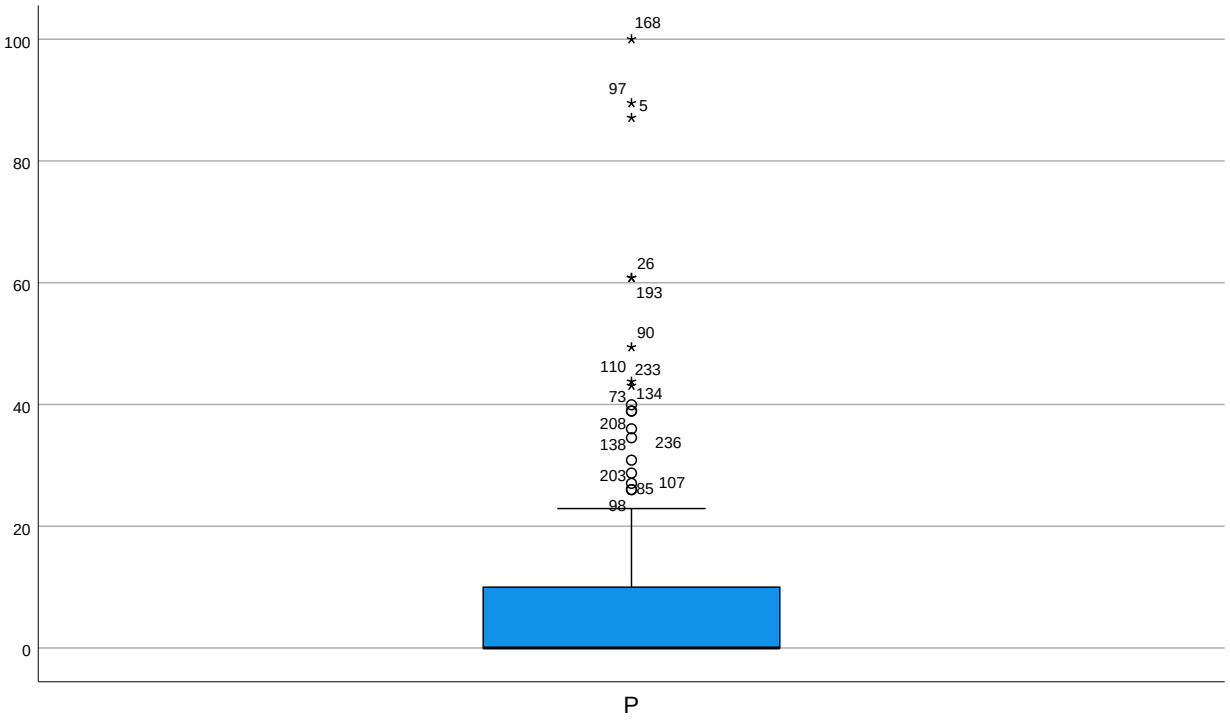
P Stem-and-Leaf Plot

Frequency Stem & Leaf

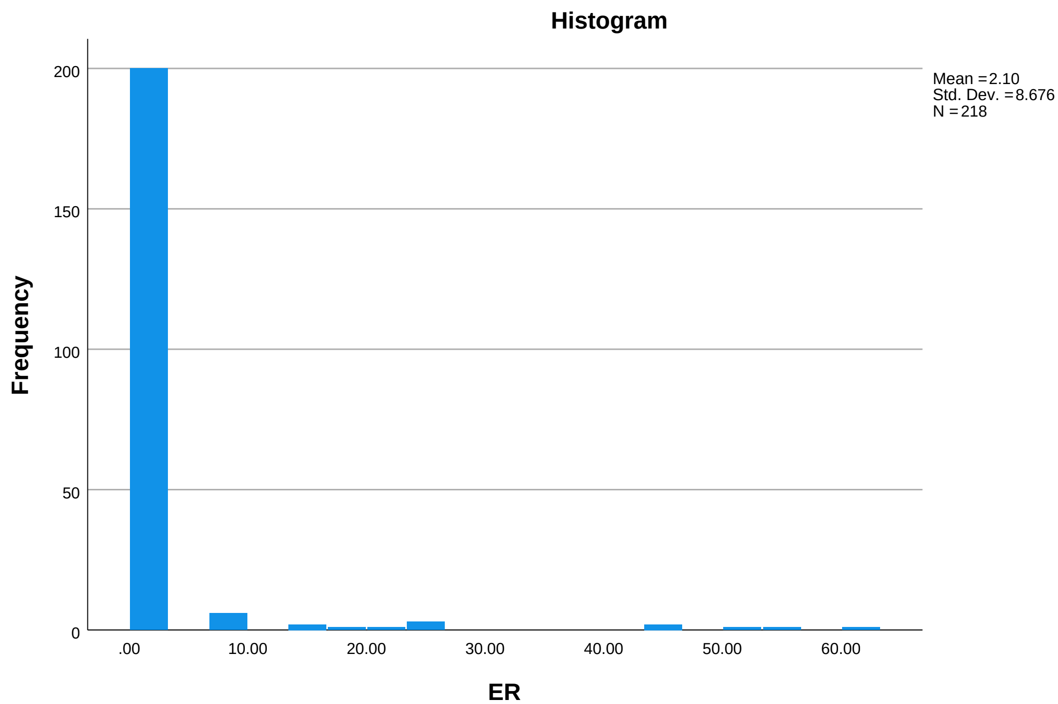
```
   139.00        0 .  0000000000000000000000000000000000000000000000000000000000000000000000
00
      .00        0 .
     7.00        0 .  555
      .00        0 .
    26.00        0 .  9999999999999
      .00        1 .
     9.00        1 .  2222
     2.00        1 .  5
     2.00        1 .  7
     4.00        1 .  89
     3.00        2 .  0&
     8.00        2 .  2222
    18.00 Extremes    (>=26)

 Stem width:     10.00
 Each leaf:        2 case(s)



 & denotes fractional leaves.
```



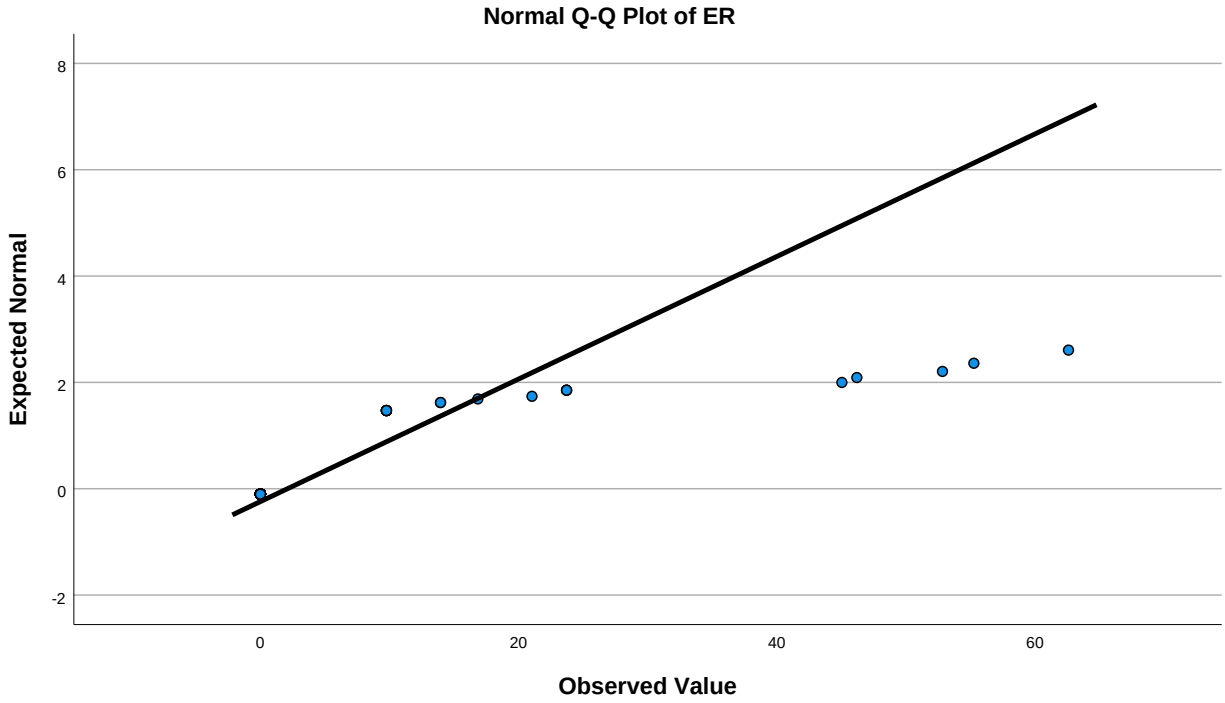

Detrended Normal Q-Q Plot of P
Dev from Normal
4
3
2
1
0
-1
0
20
40
60
80
100
Observed Value

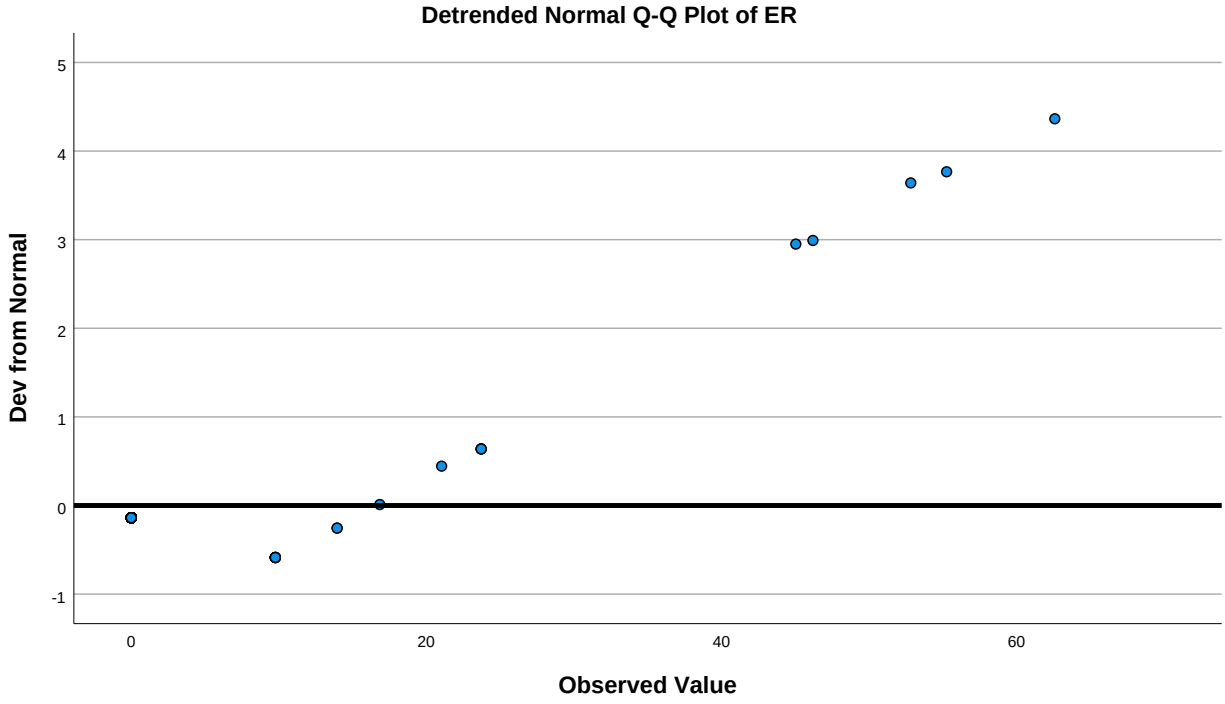

100
80
60
40
20
0
168
97
5
26
193
90
110
233
73
134
208
138
236
203
85
107
98
P

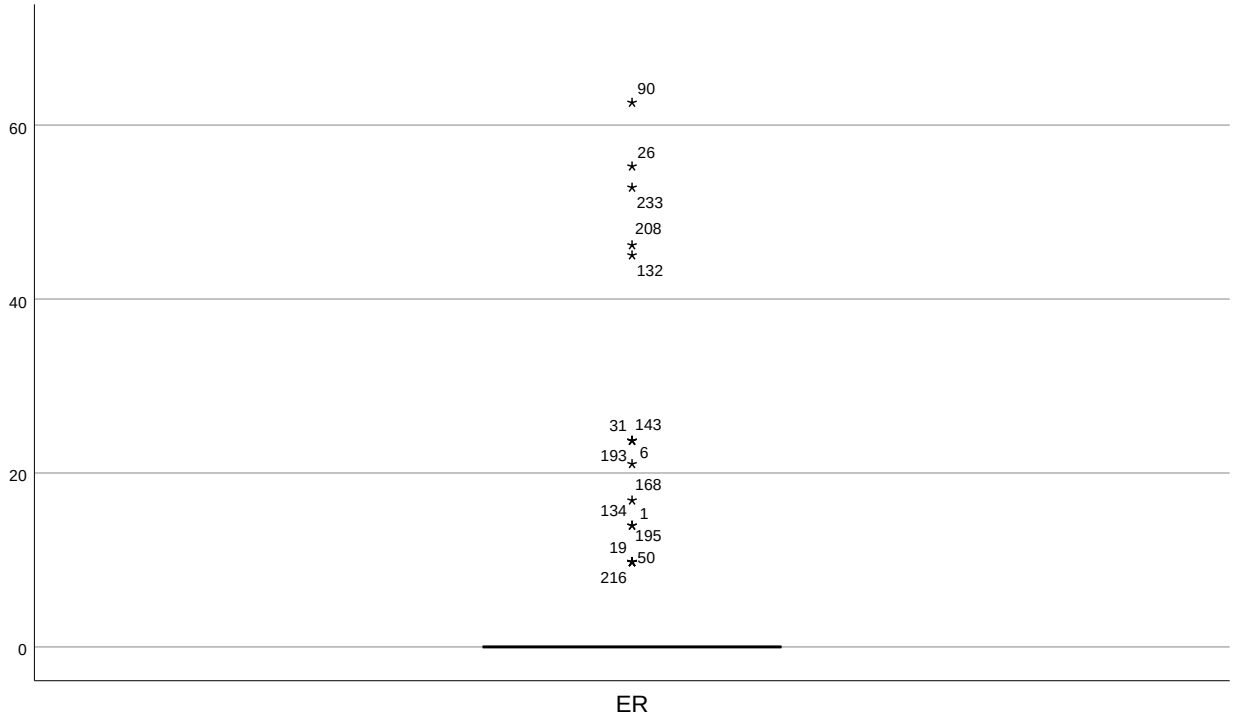
ER



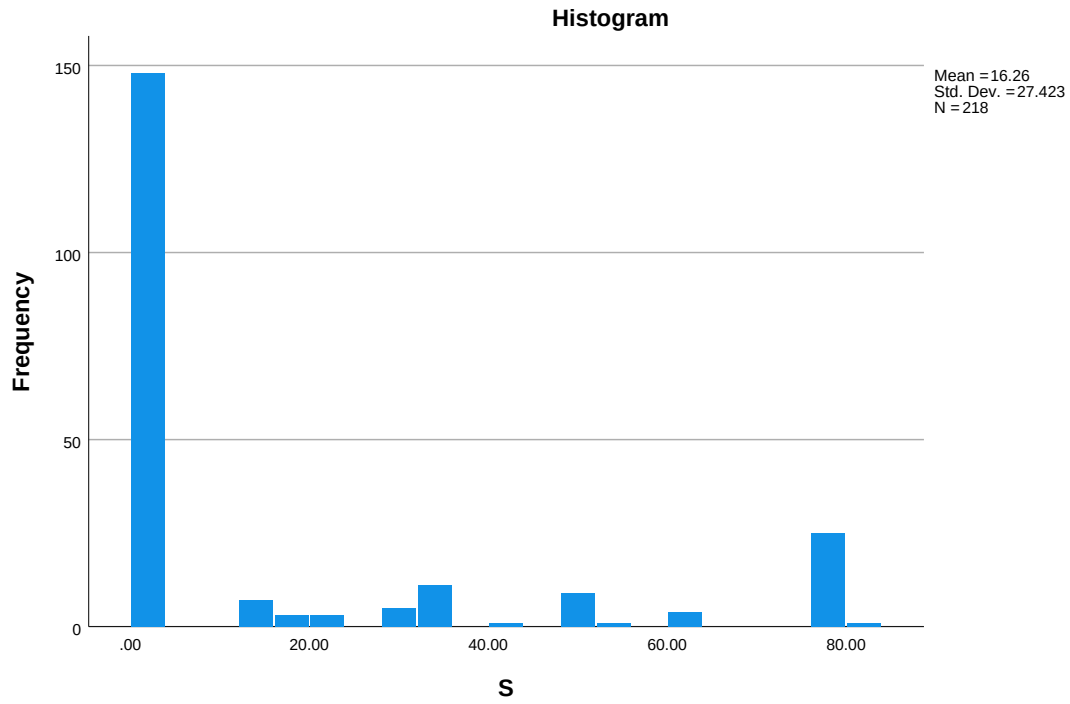

```
ER Stem-and-Leaf Plot

 Frequency    Stem &  Leaf

   200.00        0 .  0000000000000000000000000000000000000000000000000000000000000000000
000000000000000000000000000000000
    18.00 Extremes    (>=10)

 Stem width:     10.00
 Each leaf:        2 case(s)
```


Normal Q-Q Plot of ER
Expected Normal
8
6
4
2
0
-2
0
20
40
60
Observed Value


Detrended Normal Q-Q Plot of ER
Dev from Normal
5
4
3
2
1
0
-1
0
20
40
60
Observed Value



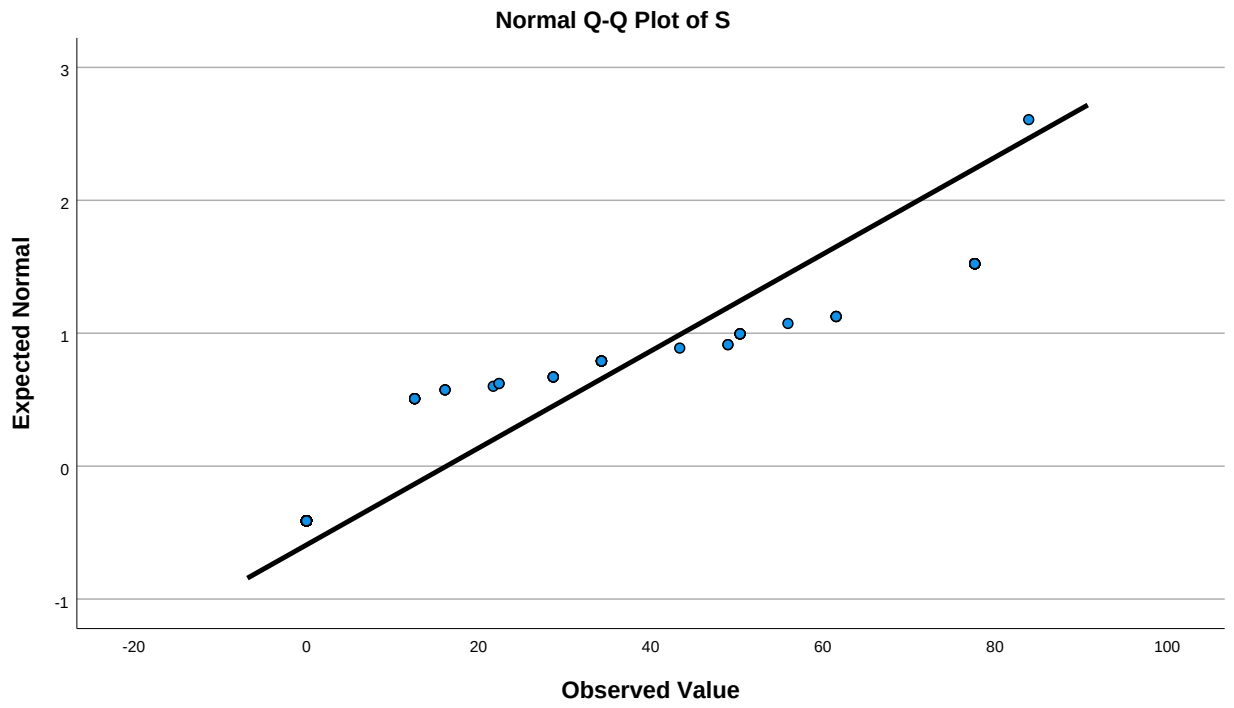
S

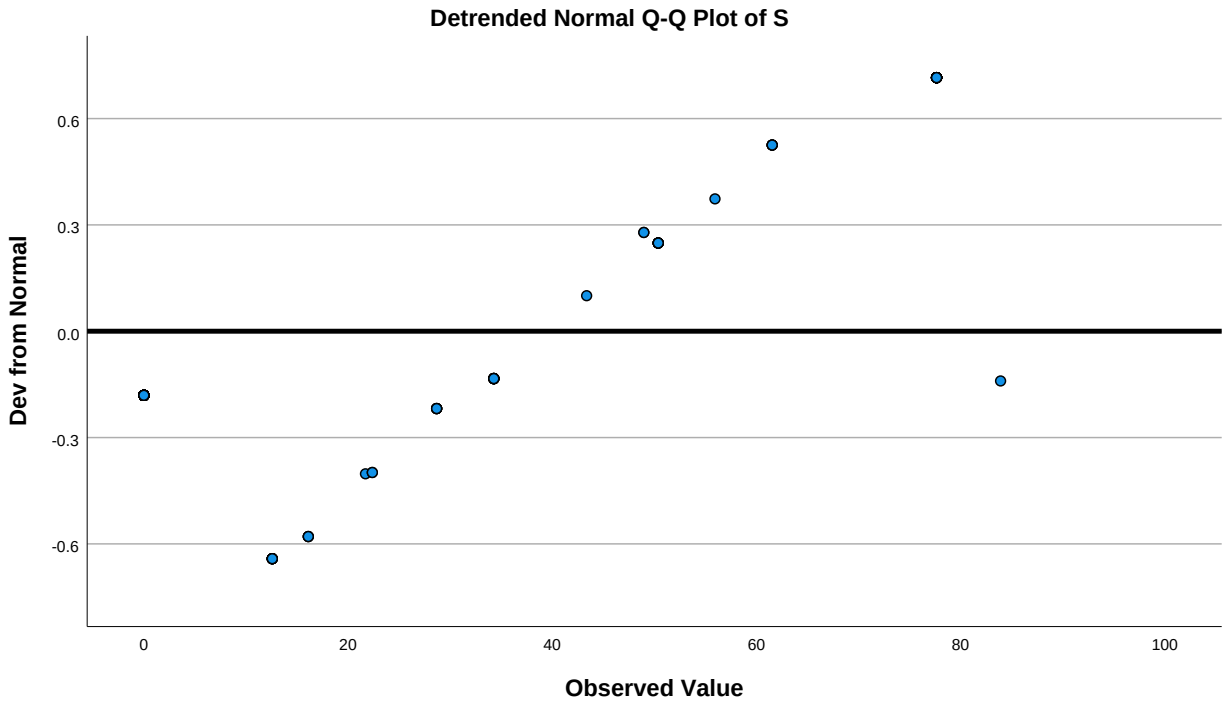


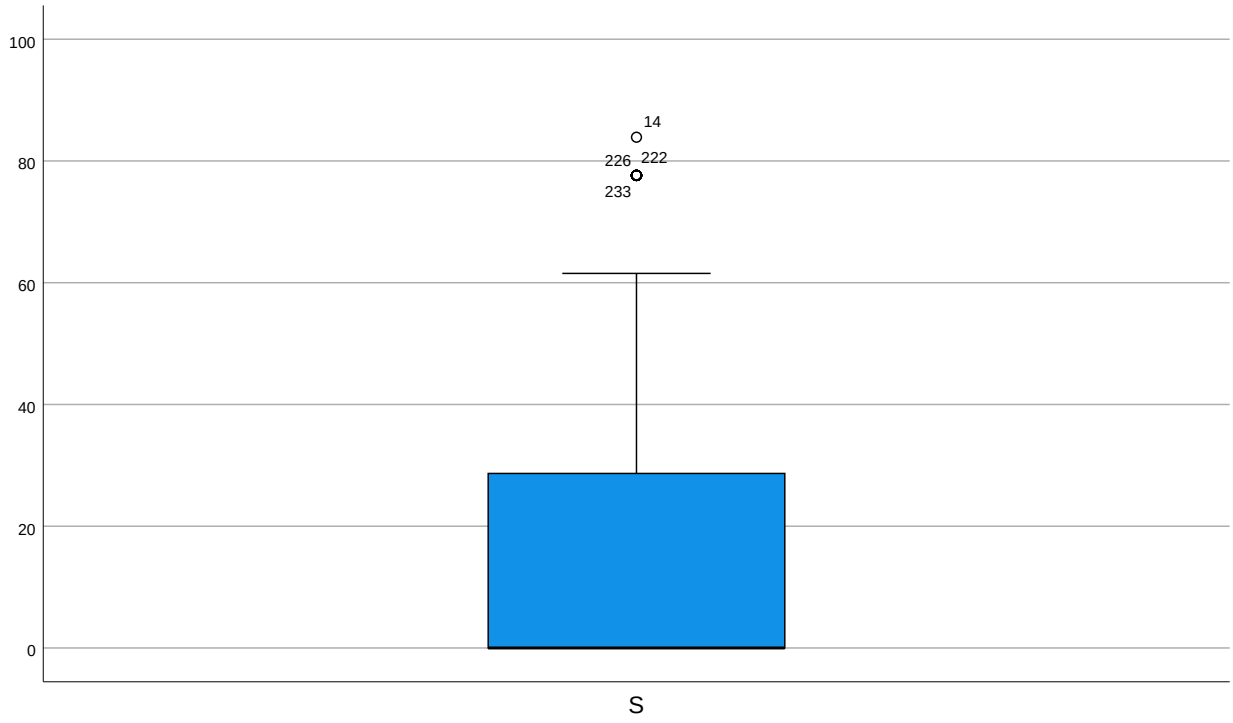
S Stem-and-Leaf Plot

Frequency Stem & Leaf

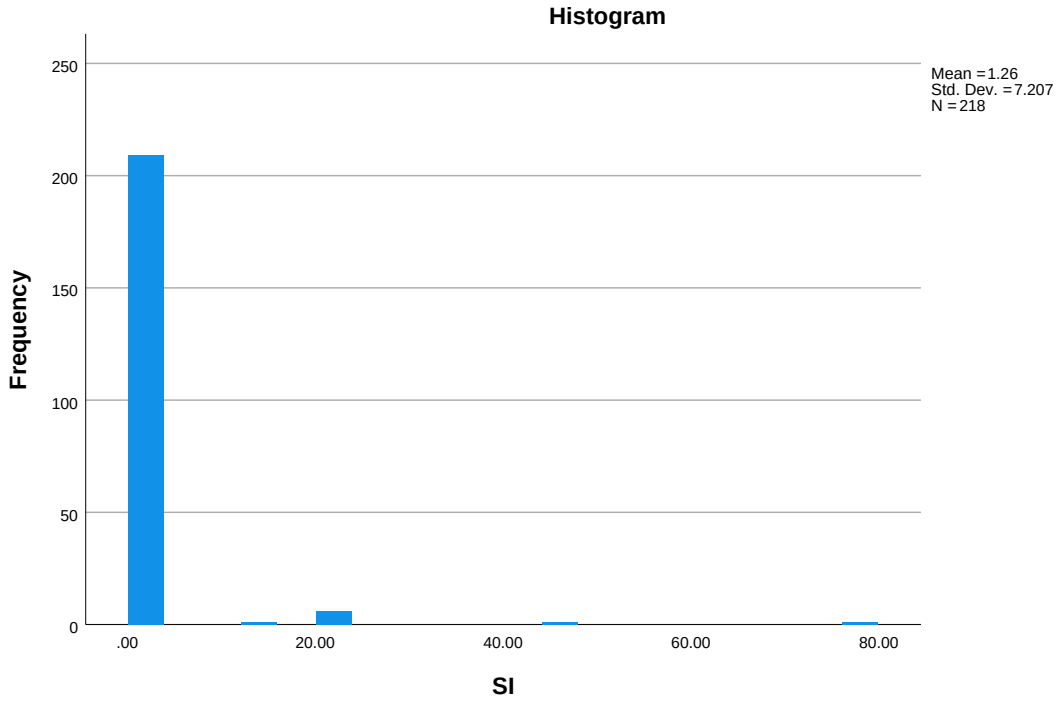
```
   148.00        0 .  00000000000000000000000000000000000000000000000000000000000000000000000
0000000
      .00        0 .
     7.00        1 .  222
     3.00        1 .  6
     3.00        2 .  2&
     5.00        2 .  88
    11.00        3 .  44444
      .00        3 .
     1.00        4 .  &
     2.00        4 .  8
     7.00        5 .  000
     1.00        5 .  &
     4.00        6 .  11
    26.00 Extremes    (>=78)

 Stem width:     10.00
 Each leaf:        2 case(s)


 & denotes fractional leaves.
```




Detrended Normal Q-Q Plot of S
Dev from Normal
0.6
0.3
0.0
-0.3
-0.6
0
20
40
60
80
100
Observed Value

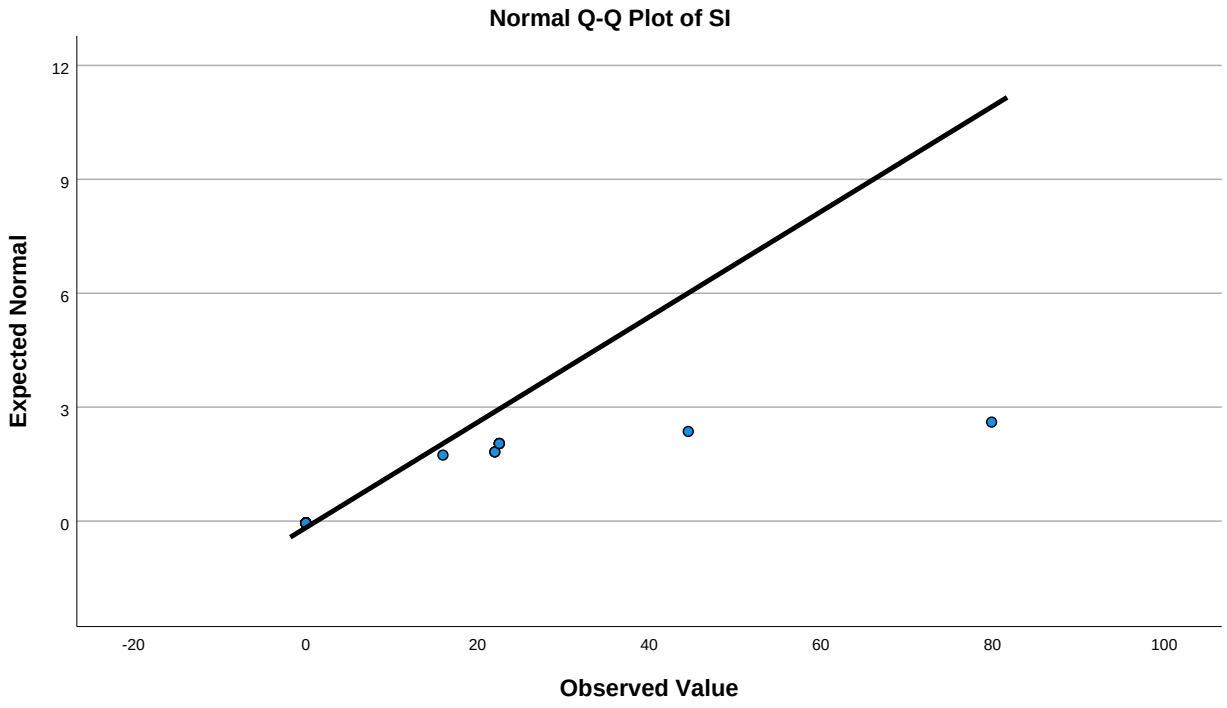

100
80
60
40
20
0
14
226
222
233
S

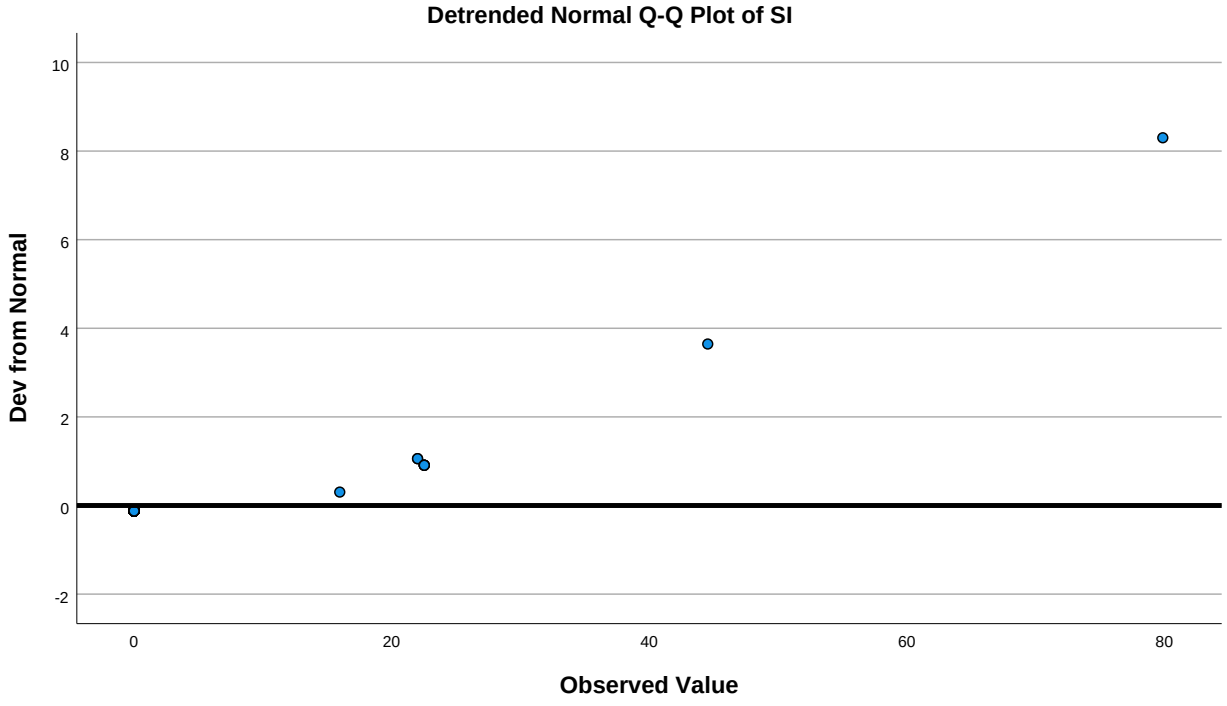
SI

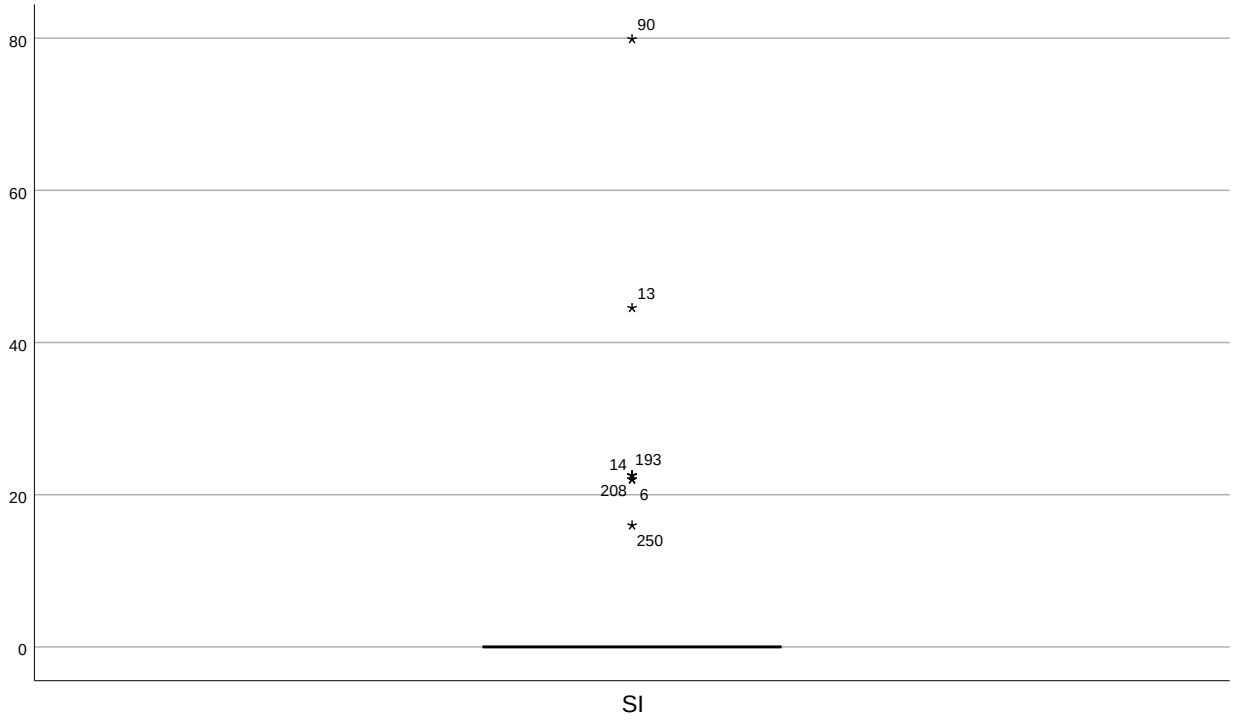


SI Stem-and-Leaf Plot

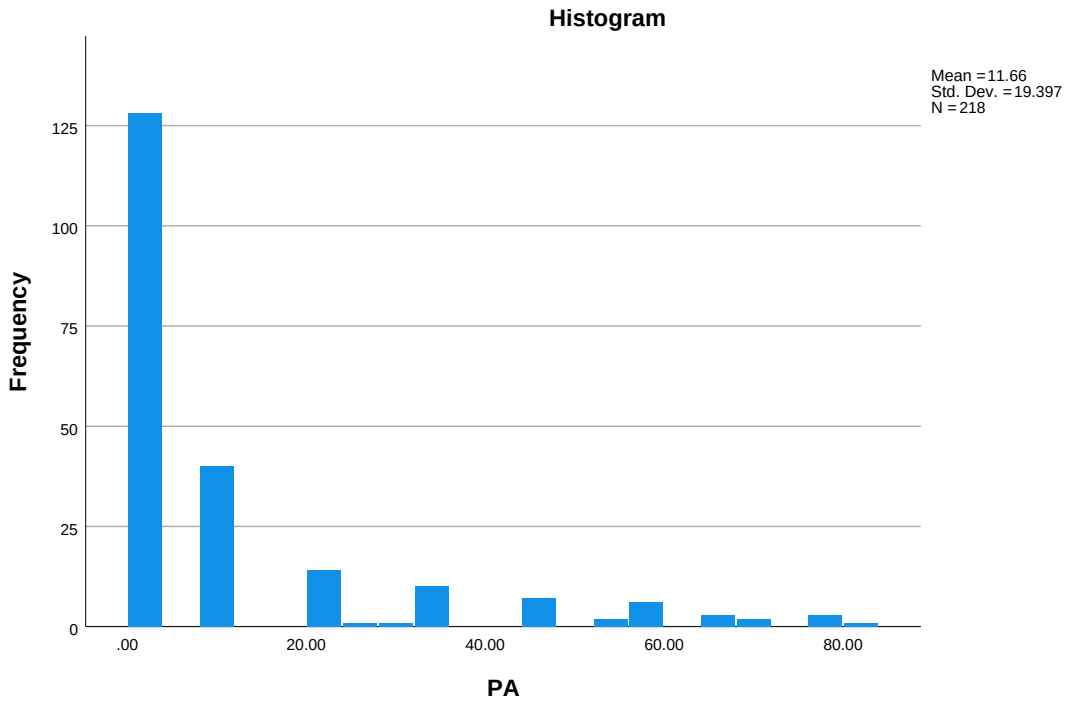
```
 Frequency    Stem &  Leaf

   209.00        0 .  00000000000000000000000000000000000000000000000000000000000000000000000000000
000
     9.00 Extremes    (>=16)

 Stem width:     10.00
 Each leaf:        3 case(s)
```


Normal Q-Q Plot of SI
Expected Normal
12
9
6
3
0
-20
0
20
40
60
80
100
Observed Value


Detrended Normal Q-Q Plot of SI
Dev from Normal
10
8
6
4
2
0
-2
0
20
40
60
80
Observed Value



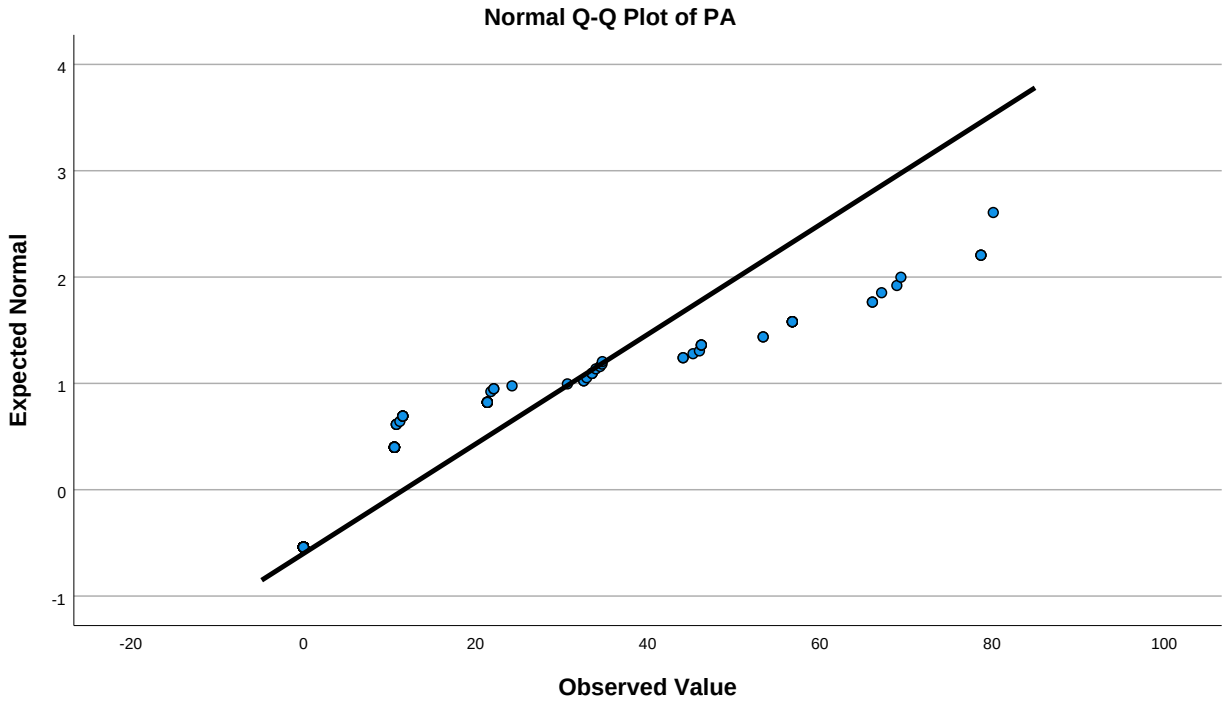
PA

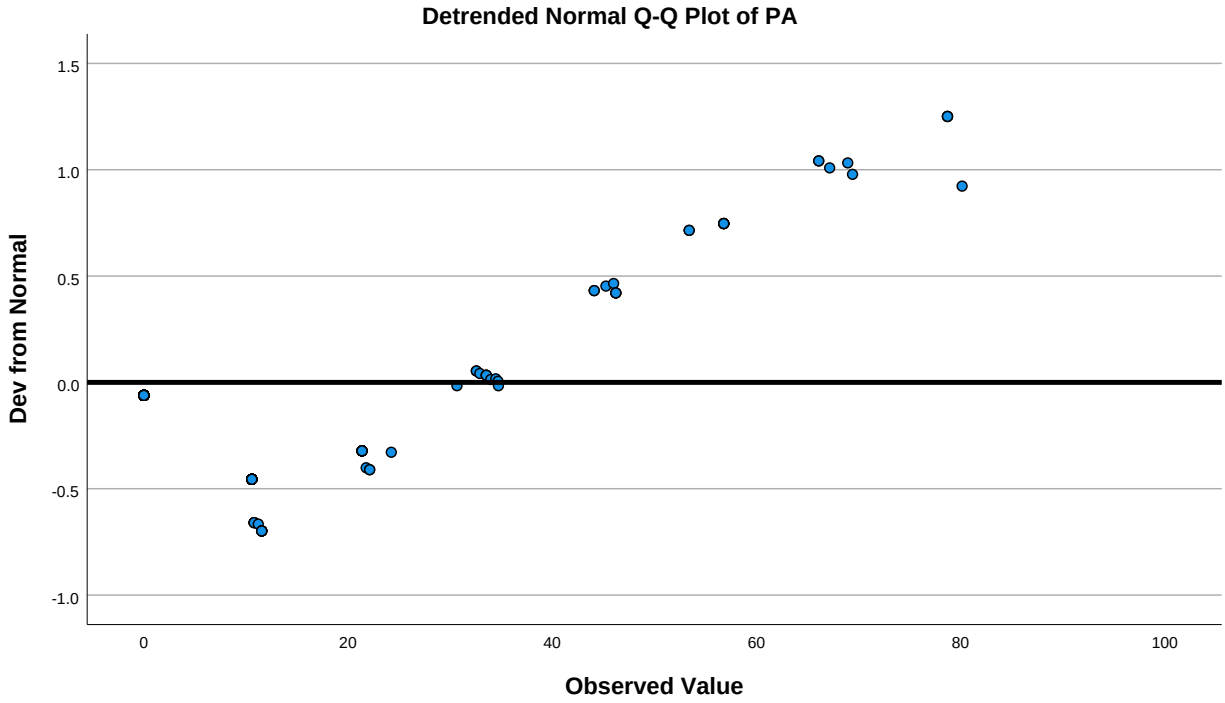


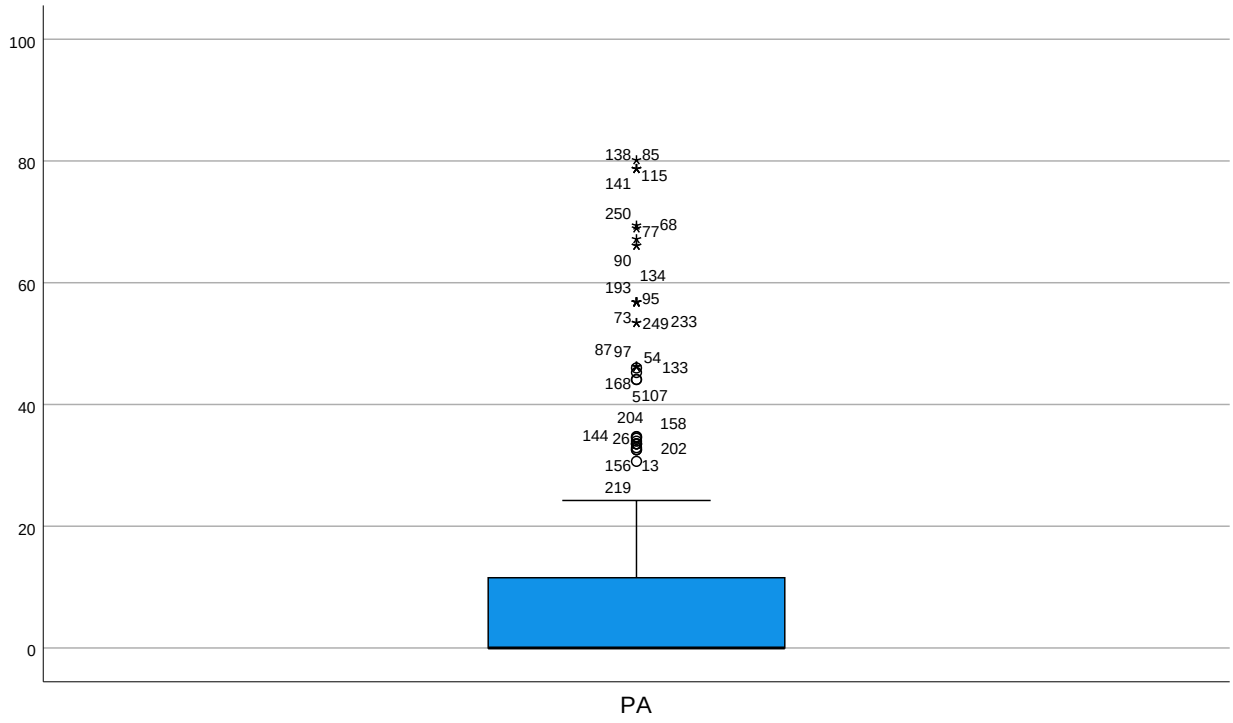
PA Stem-and-Leaf Plot

Frequency Stem & Leaf

```
  128.00        0 .  00000000000000000000000000000000000000000000000000000000000000000000
     .00        0 .
     .00        0 .
     .00        0 .
     .00        0 .
   40.00        1 .  0000000000000000111
     .00        1 .
     .00        1 .
     .00        1 .
     .00        1 .
   12.00        2 .  111111
    2.00        2 .  2
    1.00        2 .  &
   35.00 Extremes    (>=31)

Stem width:     10.00
Each leaf:        2 case(s)


& denotes fractional leaves.
```




Detrended Normal Q-Q Plot of PA
Dev from Normal
1.5
1.0
0.5
0.0
-0.5
-1.0
0
20
40
60
80
100
Observed Value


100
80
60
40
20
0
138
85
115
141
250
77
68
90
134
193
95
73
249
233
87
97
54
133
168
5
107
204
158
144
26
202
156
13
219
PA