```
 GET
  FILE='C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\SF36\1. DATA PRE-OPT QUESTIONNA
IRE.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
COMPUTE PF=(Recode3 + Recode4 + Recode5 + Recode6 + Recode7 + Recode8 + Recode9 + Recode1
0 +
    Recode11 + Recode12) / 10.
EXECUTE.
COMPUTE RP=(Recode13 + Recode14 + Recode15 + Recode16) / 4.
EXECUTE.
COMPUTE RE=(Recode17 + Recode18 + Recode19) / 3.
EXECUTE.
COMPUTE VT=(Recode23 + Recode27 + Recode29 + Recode31) / 4.
EXECUTE.
COMPUTE MH=(Recode24 + Recode25 + Recode26 + Recode28 + Recode30)  / 5.
EXECUTE.
COMPUTE SF=(Recode20 + Recode32) / 2.
EXECUTE.
COMPUTE BP=(Recode21 + Recode22) / 2.
EXECUTE.
GET
  FILE='C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\TOCOTRIENOL\DATA UNBLINDED\Data
 Toco 16.11.sav'.
DATASET NAME DataSet2 WINDOW=FRONT.
DATASET ACTIVATE DataSet1.
DATASET CLOSE DataSet2.
USE ALL.
COMPUTE filter_$=(Randomization = 1).
VARIABLE LABELS filter_$ 'Randomization = 1 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
DESCRIPTIVES VARIABLES=PF
  /STATISTICS=MEAN STDDEV MIN MAX.



 CROSSTABS
  /TABLES=Randomization BY PF
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ
  /CELLS=COUNT ROW COLUMN
  /COUNT ROUND CELL.



 T-TEST GROUPS=Randomization(1 2)
```

```
  /MISSING=ANALYSIS
  /VARIABLES=PF
  /ES DISPLAY(TRUE)
  /CRITERIA=CI(.95).



 FILTER OFF.
USE ALL.
EXECUTE.
T-TEST GROUPS=Randomization(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=PF
  /ES DISPLAY(TRUE)
  /CRITERIA=CI(.95).
```

## T-Test

### Notes

| | | |
|---|---|---|
| Output Created | | 09-DEC-2021 11:33:08 |
| Comments | | |
| Input | Data | C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\SF36\1. DATA PRE-OPT QUESTIONNAIRE.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)<br>/MISSING=ANALYSIS<br>/VARIABLES=PF<br>/ES DISPLAY(TRUE)<br>/CRITERIA=CI(.95). |

## Notes

| | | |
|---|---|---|
| Resources | Processor Time | 00:00:00.00 |
| | Elapsed Time | 00:00:00.02 |

## Group Statistics

| | Toco/Placebo | N | Mean | Std. Deviation | Std. Error Mean |
|---|---|---|---|---|---|
| PF | Tocotrienol | 123 | 64.2276 | 18.13014 | 1.63474 |
| | Placebo | 123 | 63.1301 | 18.39234 | 1.65838 |

## Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|---|---|---|---|---|---|
| | | F | Sig. | t | df |
| PF | Equal variances assumed | .220 | .640 | .471 | 244 |
| | Equal variances not assumed | | | .471 | 243.950 |

## Independent Samples Test

| | | t-test for Equality of Means | | | |
|---|---|---|---|---|---|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence ... Lower |
| PF | Equal variances assumed | .638 | 1.09756 | 2.32865 | -3.48926 |
| | Equal variances not assumed | .638 | 1.09756 | 2.32865 | -3.48926 |

## Independent Samples Test

| | | t-test for Equality of Means | |
|---|---|---|---|
| | | 95% Confidence Interval of the ... | |
| | | Upper | |
| PF | Equal variances assumed | 5.68438 | |
| | Equal variances not assumed | 5.68438 | |

## Independent Samples Effect Sizes

| | | Standardizer[a] | Point Estimate | 95% Confidence Interval | |
|---|---|---|---|---|---|
| | | | | Lower | Upper |
| PF | Cohen's d | 18.26171 | .060 | -.190 | .310 |
| | Hedges' correction | 18.31808 | .060 | -.189 | .309 |
| | Glass's delta | 18.39234 | .060 | -.190 | .310 |

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=RP
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

**T-Test**

## Notes

| | | |
|---|---|---|
| Output Created | | 09-DEC-2021 11:37:22 |
| Comments | | |
| Input | Data | C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\SF36\1. DATA PRE-OPT QUESTIONNAIRE.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. |

## Notes

| | | |
|---|---|---|
| Syntax | | T-TEST GROUPS=Randomization (1 2) /MISSING=ANALYSIS /VARIABLES=RP /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 |
|---|---|---|---|---|---|
| RP | Tocotrienol | 123 | 24.7967 | 38.47715 | 3.46937 |
| | Placebo | 122 | 36.4754 | 45.92344 | 4.15771 |

## Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|---|---|---|---|---|---|
| | | F | Sig. | t | df |
| RP | Equal variances assumed | 20.045 | .000 | -2.158 | 243 |
| | Equal variances not assumed | | | -2.157 | 235.113 |

## Independent Samples Test

| | | t-test for Equality of Means | | | |
|---|---|---|---|---|---|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence ... Lower |
| RP | Equal variances assumed | .032 | -11.67866 | 5.41120 | -22.33750 |
| | Equal variances not assumed | .032 | -11.67866 | 5.41508 | -22.34694 |

## Independent Samples Test

| | | t-test for Equality of Means: 95% Confidence Interval of the ... Upper |
|---|---|---|
| RP | Equal variances assumed | -1.01983 |
| | Equal variances not assumed | -1.01039 |

## Independent Samples Effect Sizes

| | | Standardizer[a] | Point Estimate | 95% Confidence Interval Lower | 95% Confidence Interval Upper |
|---|---|---|---|---|---|
| RP | Cohen's d | 42.34895 | -.276 | -.527 | -.024 |
| | Hedges' correction | 42.48022 | -.275 | -.525 | -.024 |
| | Glass's delta | 45.92344 | -.254 | -.506 | -.001 |

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.

```
CROSSTABS
 /TABLES=Randomization BY BP
 /FORMAT=AVALUE TABLES
 /STATISTICS=CHISQ
 /CELLS=COUNT ROW COLUMN
 /COUNT ROUND CELL.
```

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

**T-Test**

## Notes

| | | |
|---|---|---|
| Output Created | | 09-DEC-2021 11:48:31 |
| Comments | | |
| Input | Data | C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\SF36\1. DATA PRE-OPT QUESTIONNAIRE.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=BP /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 |
|---|---|---|---|---|---|
| BP | Tocotrienol | 123 | 73.9431 | 17.85359 | 1.60980 |
| | Placebo | 123 | 73.0081 | 18.98543 | 1.71186 |

## Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|---|---|---|---|---|---|
| | | F | Sig. | t | df |
| BP | Equal variances assumed | .620 | .432 | .398 | 244 |
| | Equal variances not assumed | | | .398 | 243.084 |

## Independent Samples Test

| | | t-test for Equality of Means | | | |
|---|---|---|---|---|---|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence ... Lower |
| BP | Equal variances assumed | .691 | .93496 | 2.34988 | -3.69368 |
| | Equal variances not assumed | .691 | .93496 | 2.34988 | -3.69376 |

## Independent Samples Test

| | | t-test for Equality of Means | |
|---|---|---|---|
| | | 95% Confidence Interval of the ... | |
| | | Upper | |
| BP | Equal variances assumed | 5.56360 | |
| | Equal variances not assumed | 5.56368 | |

## Independent Samples Effect Sizes

| | | | | 95% Confidence Interval | |
|---|---|---|---|---|---|
| | | Standardizer[a] | Point Estimate | Lower | Upper |
| BP | Cohen's d | 18.42821 | .051 | -.199 | .301 |
| | Hedges' correction | 18.48509 | .051 | -.199 | .300 |
| | Glass's delta | 18.98543 | .049 | -.201 | .299 |

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.

```
 COMPUTE GH=(Recode1 +  Recode33 + Recode34 + Recode35 + Recode36) / 5.
EXECUTE.
T-TEST GROUPS=Randomization(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=GH
  /ES DISPLAY(TRUE)
  /CRITERIA=CI(.95).
```

## T-Test

### Notes

| | | |
|---|---|---|
| Output Created | | 09-DEC-2021 11:52:51 |
| Comments | | |
| Input | Data | C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\SF36\1. DATA PRE-OPT QUESTIONNAIRE.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=GH /ES DISPLAY(TRUE) /CRITERIA=CI(.95). |

## Notes

| | | |
|---|---|---|
| Resources | Processor Time | 00:00:00.02 |
| | Elapsed Time | 00:00:00.02 |

## Group Statistics

| | Toco/Placebo | N | Mean | Std. Deviation | Std. Error Mean |
|---|---|---|---|---|---|
| GH | Tocotrienol | 123 | 69.3496 | 17.35548 | 1.56489 |
| | Placebo | 123 | 69.6341 | 18.54515 | 1.67216 |

## Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|---|---|---|---|---|---|
| | | F | Sig. | t | df |
| GH | Equal variances assumed | 2.758 | .098 | -.124 | 244 |
| | Equal variances not assumed | | | -.124 | 242.935 |

## Independent Samples Test

| | | t-test for Equality of Means | | | |
|---|---|---|---|---|---|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence ... Lower |
| GH | Equal variances assumed | .901 | -.28455 | 2.29020 | -4.79563 |
| | Equal variances not assumed | .901 | -.28455 | 2.29020 | -4.79573 |

## Independent Samples Test

| | | t-test for Equality of Means | |
|---|---|---|---|
| | | 95% Confidence Interval of the ... | |
| | | Upper | |
| GH | Equal variances assumed | 4.22653 | |
| | Equal variances not assumed | 4.22662 | |

## Independent Samples Effect Sizes

| | | Standardizer[a] | Point Estimate | 95% Confidence Interval | |
|---|---|---|---|---|---|
| | | | | Lower | Upper |
| GH | Cohen's d | 17.96017 | -.016 | -.266 | .234 |
| | Hedges' correction | 18.01561 | -.016 | -.265 | .233 |
| | Glass's delta | 18.54515 | -.015 | -.265 | .235 |

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=VT
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

### T-Test

## Notes

| | | |
|---|---|---|
| Output Created | | 09-DEC-2021 11:53:58 |
| Comments | | |
| Input | Data | C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\SF36\1. DATA PRE-OPT QUESTIONNAIRE.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. |

## Notes

| | | |
|---|---|---|
| Syntax | | T-TEST GROUPS=Randomization (1 2) /MISSING=ANALYSIS /VARIABLES=VT /ES DISPLAY(TRUE) /CRITERIA=CI(.95). |
| Resources | Processor Time | 00:00:00.00 |
| | Elapsed Time | 00:00:00.00 |

## Group Statistics

| | Toco/Placebo | N | Mean | Std. Deviation | Std. Error Mean |
|---|---|---|---|---|---|
| VT | Tocotrienol | 123 | 93.7398 | 13.51371 | 1.21849 |
| | Placebo | 123 | 93.1707 | 12.50030 | 1.12711 |

## Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|---|---|---|---|---|---|
| | | F | Sig. | t | df |
| VT | Equal variances assumed | .007 | .933 | .343 | 244 |
| | Equal variances not assumed | | | .343 | 242.532 |

## Independent Samples Test

| | | t-test for Equality of Means | | | |
|---|---|---|---|---|---|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence ... Lower |
| VT | Equal variances assumed | .732 | .56911 | 1.65985 | -2.70036 |
| | Equal variances not assumed | .732 | .56911 | 1.65985 | -2.70046 |

## Independent Samples Test

| | | t-test for Equality of Means: 95% Confidence Interval of the ... |
|---|---|---|
| | | Upper |
| VT | Equal variances assumed | 3.83857 |
| | Equal variances not assumed | 3.83867 |

## Independent Samples Effect Sizes

| | | | | 95% Confidence Interval | |
|---|---|---|---|---|---|
| | | Standardizer[a] | Point Estimate | Lower | Upper |
| VT | Cohen's d | 13.01687 | .044 | -.206 | .294 |
| | Hedges' correction | 13.05705 | .044 | -.206 | .293 |
| | Glass's delta | 12.50030 | .046 | -.205 | .295 |

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=SF
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

**T-Test**

## Notes

| | | |
|---|---|---|
| Output Created | | 09-DEC-2021 11:55:01 |
| Comments | | |
| Input | Data | C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\SF36\1. DATA PRE-OPT QUESTIONNAIRE.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=SF /ES DISPLAY(TRUE) /CRITERIA=CI(.95). |
| Resources | Processor Time | 00:00:00.00 |
| | Elapsed Time | 00:00:00.00 |

## Group Statistics

| | Toco/Placebo | N | Mean | Std. Deviation | Std. Error Mean |
|---|---|---|---|---|---|
| SF | Tocotrienol | 123 | 83.6382 | 15.10975 | 1.36240 |
| | Placebo | 122 | 82.5820 | 18.07907 | 1.63680 |

## Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|---|---|---|---|---|---|
| | | F | Sig. | t | df |
| SF | Equal variances assumed | 2.768 | .097 | .496 | 243 |
| | Equal variances not assumed | | | .496 | 234.910 |

## Independent Samples Test

| | | t-test for Equality of Means | | | |
|---|---|---|---|---|---|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence ... Lower |
| SF | Equal variances assumed | .620 | 1.05624 | 2.12807 | -3.13556 |
| | Equal variances not assumed | .620 | 1.05624 | 2.12961 | -3.13934 |

## Independent Samples Test

| | | t-test for Equality of Means | |
|---|---|---|---|
| | | 95% Confidence Interval of the ... | |
| | | Upper | |
| SF | Equal variances assumed | 5.24805 | |
| | Equal variances not assumed | 5.25183 | |

## Independent Samples Effect Sizes

| | | | | 95% Confidence Interval | |
|---|---|---|---|---|---|
| | | Standardizer[a] | Point Estimate | Lower | Upper |
| SF | Cohen's d | 16.65460 | .063 | -.187 | .314 |
| | Hedges' correction | 16.70623 | .063 | -.187 | .313 |
| | Glass's delta | 18.07907 | .058 | -.192 | .309 |

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=RE
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

## T-Test

### Notes

| | | |
|---|---|---|
| Output Created | | 09-DEC-2021 11:56:11 |
| Comments | | |
| Input | Data | C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\SF36\1. DATA PRE-OPT QUESTIONNAIRE.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=RE /ES DISPLAY(TRUE) /CRITERIA=CI(.95). |
| Resources | Processor Time | 00:00:00.00 |
| | Elapsed Time | 00:00:00.00 |

## Group Statistics

| | Toco/Placebo | N | Mean | Std. Deviation | Std. Error Mean |
|---|---|---|---|---|---|
| RE | Tocotrienol | 122 | 52.4590 | 31.75839 | 2.87527 |
| | Placebo | 123 | 61.2466 | 34.50772 | 3.11146 |

## Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|---|---|---|---|---|---|
| | | F | Sig. | t | df |
| RE | Equal variances assumed | 9.489 | .002 | -2.074 | 243 |
| | Equal variances not assumed | | | -2.074 | 241.653 |

## Independent Samples Test

| | | t-test for Equality of Means | | | |
|---|---|---|---|---|---|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence ... Lower |
| RE | Equal variances assumed | .039 | -8.78760 | 4.23799 | -17.13547 |
| | Equal variances not assumed | .039 | -8.78760 | 4.23655 | -17.13287 |

## Independent Samples Test

| | | t-test for Equality of Means | |
|---|---|---|---|
| | | 95% Confidence Interval of the ... | |
| | | Upper | |
| RE | Equal variances assumed | -.43972 | |
| | Equal variances not assumed | -.44232 | |

## Independent Samples Effect Sizes

| | | Standardizer[a] | Point Estimate | 95% Confidence Interval | |
|---|---|---|---|---|---|
| | | | | Lower | Upper |
| RE | Cohen's d | 33.16722 | -.265 | -.516 | -.013 |
| | Hedges' correction | 33.27002 | -.264 | -.515 | -.013 |
| | Glass's delta | 34.50772 | -.255 | -.507 | -.002 |

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=MH
 /ES DISPLAY(TRUE)
 /CRITERIA=CI(.95).
```

### T-Test

## Notes

| | | |
|---|---|---|
| Output Created | | 09-DEC-2021 11:57:20 |
| Comments | | |
| Input | Data | C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\SF36\1. DATA PRE-OPT QUESTIONNAIRE.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. |

## Notes

| | | |
|---|---|---|
| Syntax | | T-TEST GROUPS=Randomization (1 2) /MISSING=ANALYSIS /VARIABLES=MH /ES DISPLAY(TRUE) /CRITERIA=CI(.95). |
| Resources | Processor Time | 00:00:00.00 |
| | Elapsed Time | 00:00:00.00 |

## Group Statistics

| | Toco/Placebo | N | Mean | Std. Deviation | Std. Error Mean |
|---|---|---|---|---|---|
| MH | Tocotrienol | 123 | 93.4959 | 9.57316 | .86318 |
| | Placebo | 123 | 91.7398 | 13.46023 | 1.21367 |

## Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|---|---|---|---|---|---|
| | | F | Sig. | t | df |
| MH | Equal variances assumed | 4.146 | .043 | 1.179 | 244 |
| | Equal variances not assumed | | | 1.179 | 220.277 |

## Independent Samples Test

| | | t-test for Equality of Means | | | |
|---|---|---|---|---|---|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence ... Lower |
| MH | Equal variances assumed | .239 | 1.75610 | 1.48932 | -1.17747 |
| | Equal variances not assumed | .240 | 1.75610 | 1.48932 | -1.17904 |

## Independent Samples Test

| | | t-test for Equality of Means: 95% Confidence Interval of the ... Upper |
|---|---|---|
| MH | Equal variances assumed | 4.68966 |
| | Equal variances not assumed | 4.69124 |

## Independent Samples Effect Sizes

| | | Standardizer[a] | Point Estimate | 95% Confidence Interval Lower | 95% Confidence Interval Upper |
|---|---|---|---|---|---|
| MH | Cohen's d | 11.67954 | .150 | -.100 | .400 |
| | Hedges' correction | 11.71559 | .150 | -.100 | .399 |
| | Glass's delta | 13.46023 | .130 | -.120 | .381 |

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=PF RP RE VT MH SF BP GH
 /PLOT BOXPLOT STEMLEAF HISTOGRAM NPPLOT
 /COMPARE GROUPS
 /STATISTICS DESCRIPTIVES
 /CINTERVAL 95
 /MISSING LISTWISE
 /NOTOTAL.
```

**Explore**

## Notes

| | | |
|---|---|---|
| Output Created | | 17-DEC-2021 15:50:42 |
| Comments | | |
| Input | Data | C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\Questionaire\SF36\Data Pre-Opt\DATA SF36 - PRE-OPT.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=PF RP RE VT MH SF BP GH /PLOT BOXPLOT STEMLEAF HISTOGRAM NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE... |
| Resources | Processor Time | 00:00:11.27 |
| | Elapsed Time | 00:00:06.61 |

[DataSet1] C:\Users\rafmusa\Desktop\FINAL ANALYSIS DATA TOCO\Questionaire\SF36\Data Pre-Opt\DATA SF36 - PRE-OPT.sav

## Case Processing Summary

| | Cases | | | | | |
|---|---|---|---|---|---|---|
| | Valid | | Missing | | Total | |
| | N | Percent | N | Percent | N | Percent |
| PF | 243 | 97.2% | 7 | 2.8% | 250 | 100.0% |
| RP | 243 | 97.2% | 7 | 2.8% | 250 | 100.0% |
| RE | 243 | 97.2% | 7 | 2.8% | 250 | 100.0% |
| VT | 243 | 97.2% | 7 | 2.8% | 250 | 100.0% |
| MH | 243 | 97.2% | 7 | 2.8% | 250 | 100.0% |
| SF | 243 | 97.2% | 7 | 2.8% | 250 | 100.0% |
| BP | 243 | 97.2% | 7 | 2.8% | 250 | 100.0% |
| GH | 243 | 97.2% | 7 | 2.8% | 250 | 100.0% |

## Descriptives

| | | | Statistic | Std. Error |
|---|---|---|---|---|
| PF | Mean | | 63.7037 | 1.15881 |
| | 95% Confidence Interval for Mean | Lower Bound | 61.4211 | |
| | | Upper Bound | 65.9863 | |
| | 5% Trimmed Mean | | 63.6511 | |
| | Median | | 65.0000 | |
| | Variance | | 326.309 | |
| | Std. Deviation | | 18.06401 | |
| | Minimum | | 20.00 | |
| | Maximum | | 100.00 | |
| | Range | | 80.00 | |
| | Interquartile Range | | 25.00 | |
| | Skewness | | .053 | .156 |
| | Kurtosis | | -.610 | .311 |
| RP | Mean | | 30.8642 | 2.74241 |
| | 95% Confidence Interval for Mean | Lower Bound | 25.4622 | |
| | | Upper Bound | 36.2662 | |
| | 5% Trimmed Mean | | 28.7380 | |
| | Median | | .0000 | |
| | Variance | | 1827.556 | |
| | Std. Deviation | | 42.74992 | |
| | Minimum | | .00 | |
| | Maximum | | 100.00 | |

## Descriptives

| | | | Statistic | Std. Error |
|---|---|---|---|---|
| | Range | | 100.00 | |
| | Interquartile Range | | 75.00 | |
| | Skewness | | .840 | .156 |
| | Kurtosis | | -1.125 | .311 |
| RE | Mean | | 57.0645 | 2.14643 |
| | 95% Confidence Interval for Mean | Lower Bound | 52.8364 | |
| | | Upper Bound | 61.2925 | |
| | 5% Trimmed Mean | | 57.3693 | |
| | Median | | 33.3333 | |
| | Variance | | 1119.538 | |
| | Std. Deviation | | 33.45950 | |
| | Minimum | | .00 | |
| | Maximum | | 100.00 | |
| | Range | | 100.00 | |
| | Interquartile Range | | 66.67 | |
| | Skewness | | .381 | .156 |
| | Kurtosis | | -1.554 | .311 |
| VT | Mean | | 93.4774 | .83434 |
| | 95% Confidence Interval for Mean | Lower Bound | 91.8339 | |
| | | Upper Bound | 95.1209 | |
| | 5% Trimmed Mean | | 95.4973 | |
| | Median | | 100.0000 | |
| | Variance | | 169.160 | |
| | Std. Deviation | | 13.00614 | |
| | Minimum | | 25.00 | |
| | Maximum | | 100.00 | |
| | Range | | 75.00 | |
| | Interquartile Range | | 5.00 | |
| | Skewness | | -2.500 | .156 |
| | Kurtosis | | 6.444 | .311 |
| MH | Mean | | 92.6914 | .74879 |
| | 95% Confidence Interval for Mean | Lower Bound | 91.2164 | |
| | | Upper Bound | 94.1663 | |
| | 5% Trimmed Mean | | 94.2945 | |
| | Median | | 100.0000 | |

## Descriptives

| | | | Statistic | Std. Error |
|---|---|---|---|---|
| | Variance | | 136.247 | |
| | Std. Deviation | | 11.67250 | |
| | Minimum | | 24.00 | |
| | Maximum | | 100.00 | |
| | Range | | 76.00 | |
| | Interquartile Range | | 12.00 | |
| | Skewness | | -2.325 | .156 |
| | Kurtosis | | 7.472 | .311 |
| SF | Mean | | 83.1790 | 1.07009 |
| | 95% Confidence Interval for Mean | Lower Bound | 81.0711 | |
| | | Upper Bound | 85.2869 | |
| | 5% Trimmed Mean | | 84.7165 | |
| | Median | | 87.5000 | |
| | Variance | | 278.256 | |
| | Std. Deviation | | 16.68101 | |
| | Minimum | | 25.00 | |
| | Maximum | | 100.00 | |
| | Range | | 75.00 | |
| | Interquartile Range | | 25.00 | |
| | Skewness | | -1.082 | .156 |
| | Kurtosis | | 1.197 | .311 |
| BP | Mean | | 73.6420 | 1.18105 |
| | 95% Confidence Interval for Mean | Lower Bound | 71.3155 | |
| | | Upper Bound | 75.9684 | |
| | 5% Trimmed Mean | | 74.6965 | |
| | Median | | 77.5000 | |
| | Variance | | 338.954 | |
| | Std. Deviation | | 18.41070 | |
| | Minimum | | 10.00 | |
| | Maximum | | 100.00 | |
| | Range | | 90.00 | |
| | Interquartile Range | | 20.00 | |
| | Skewness | | -.756 | .156 |
| | Kurtosis | | .740 | .311 |
| GH | Mean | | 69.4239 | 1.14925 |

## Descriptives

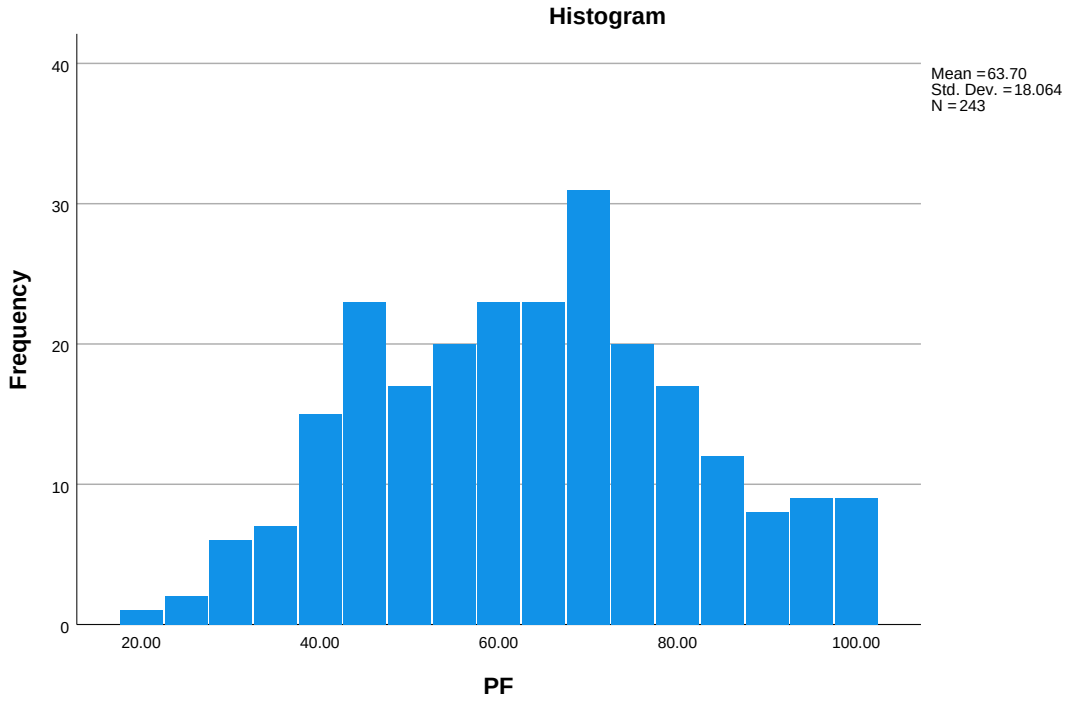
| | | | Statistic | Std. Error |
|---|---|---|---|---|
| | 95% Confidence Interval for Mean | Lower Bound | 67.1601 | |
| | | Upper Bound | 71.6877 | |
| | 5% Trimmed Mean | | 69.9086 | |
| | Median | | 70.0000 | |
| | Variance | | 320.948 | |
| | Std. Deviation | | 17.91501 | |
| | Minimum | | 10.00 | |
| | Maximum | | 95.00 | |
| | Range | | 85.00 | |
| | Interquartile Range | | 40.00 | |
| | Skewness | | -.267 | .156 |
| | Kurtosis | | -1.004 | .311 |

## Tests of Normality

| | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| PF | .073 | 243 | .004 | .982 | 243 | .003 |
| RP | .378 | 243 | .000 | .663 | 243 | .000 |
| RE | .374 | 243 | .000 | .701 | 243 | .000 |
| VT | .359 | 243 | .000 | .579 | 243 | .000 |
| MH | .294 | 243 | .000 | .678 | 243 | .000 |
| SF | .182 | 243 | .000 | .849 | 243 | .000 |
| BP | .159 | 243 | .000 | .932 | 243 | .000 |
| GH | .178 | 243 | .000 | .875 | 243 | .000 |

a. Lilliefors Significance Correction

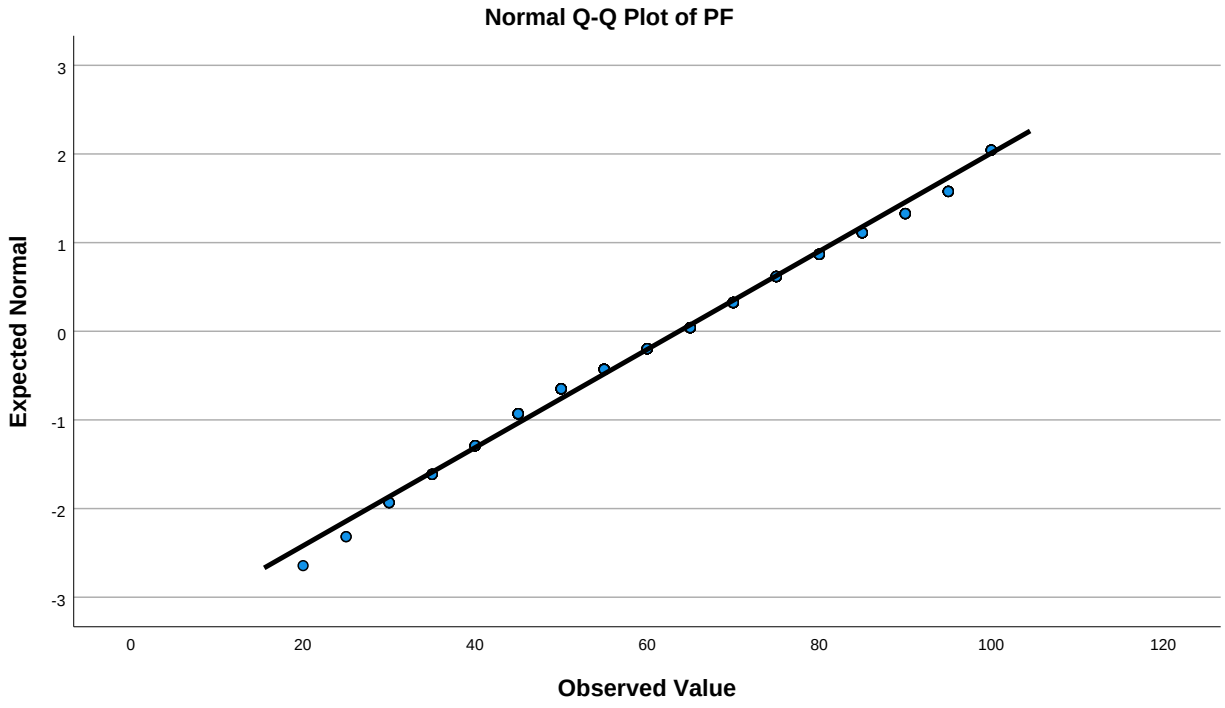
**PF**

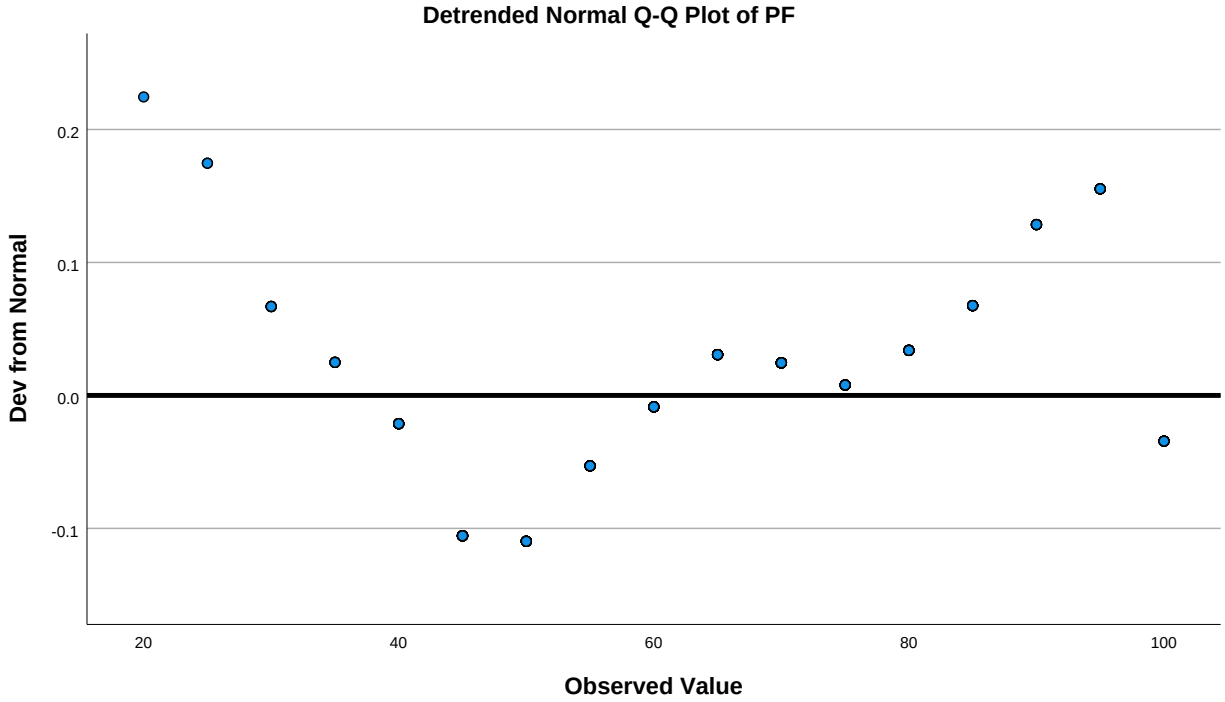


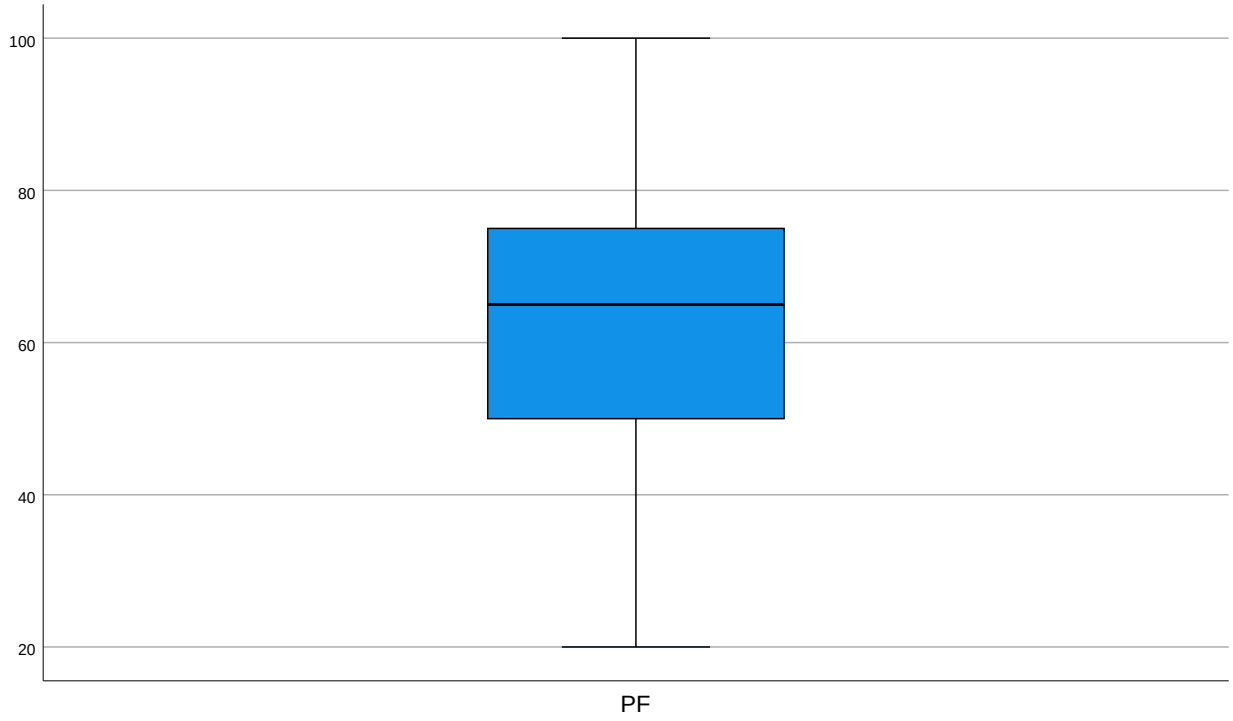

PF Stem-and-Leaf Plot

| Frequency | Stem & | Leaf |
|---|---|---|
| 1.00 | 2 . | 0 |
| 2.00 | 2 . | 55 |
| 6.00 | 3 . | 000000 |
| 7.00 | 3 . | 5555555 |
| 15.00 | 4 . | 000000000000000 |
| 23.00 | 4 . | 55555555555555555555 |
| 17.00 | 5 . | 00000000000000000 |
| 20.00 | 5 . | 55555555555555555 |
| 23.00 | 6 . | 00000000000000000000 |
| 23.00 | 6 . | 55555555555555555555 |
| 31.00 | 7 . | 0000000000000000000000000000000 |
| 20.00 | 7 . | 55555555555555555 |
| 17.00 | 8 . | 00000000000000000 |
| 12.00 | 8 . | 555555555555 |
| 8.00 | 9 . | 00000000 |
| 9.00 | 9 . | 555555555 |
| 9.00 | 10 . | 000000000 |

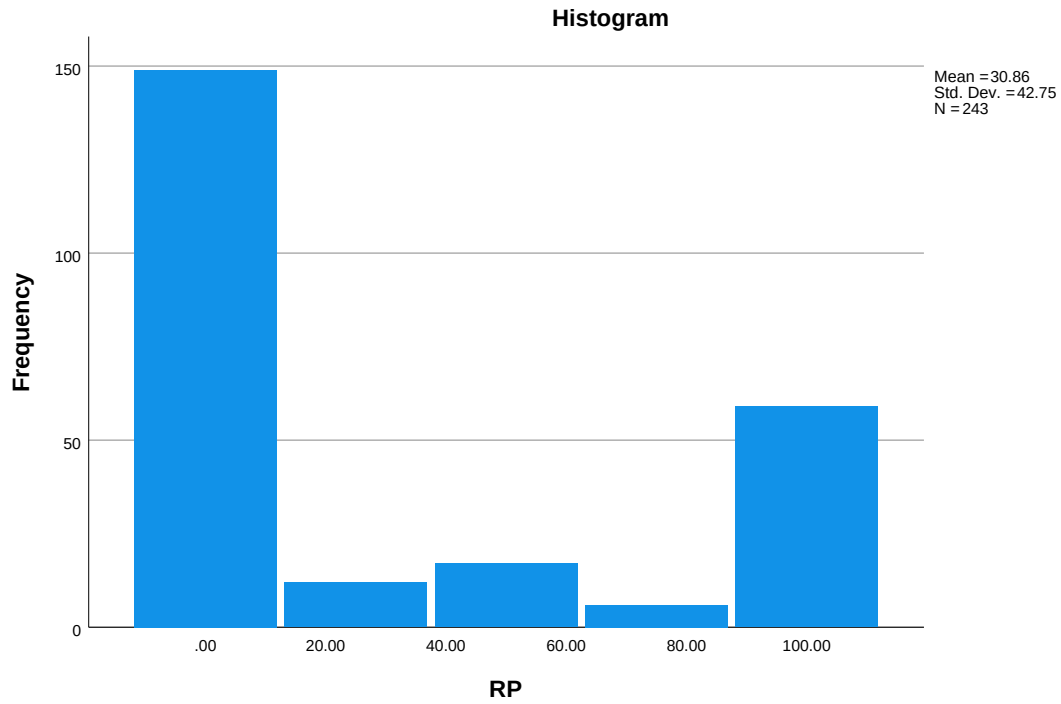
Stem width: 10.00
Each leaf: 1 case(s)


Normal Q-Q Plot of PF
Expected Normal
3
2
1
0
-1
-2
-3
0
20
40
60
80
100
120
Observed Value


Detrended Normal Q-Q Plot of PF
Dev from Normal
0.2
0.1
0.0
-0.1
20
40
60
80
100
Observed Value



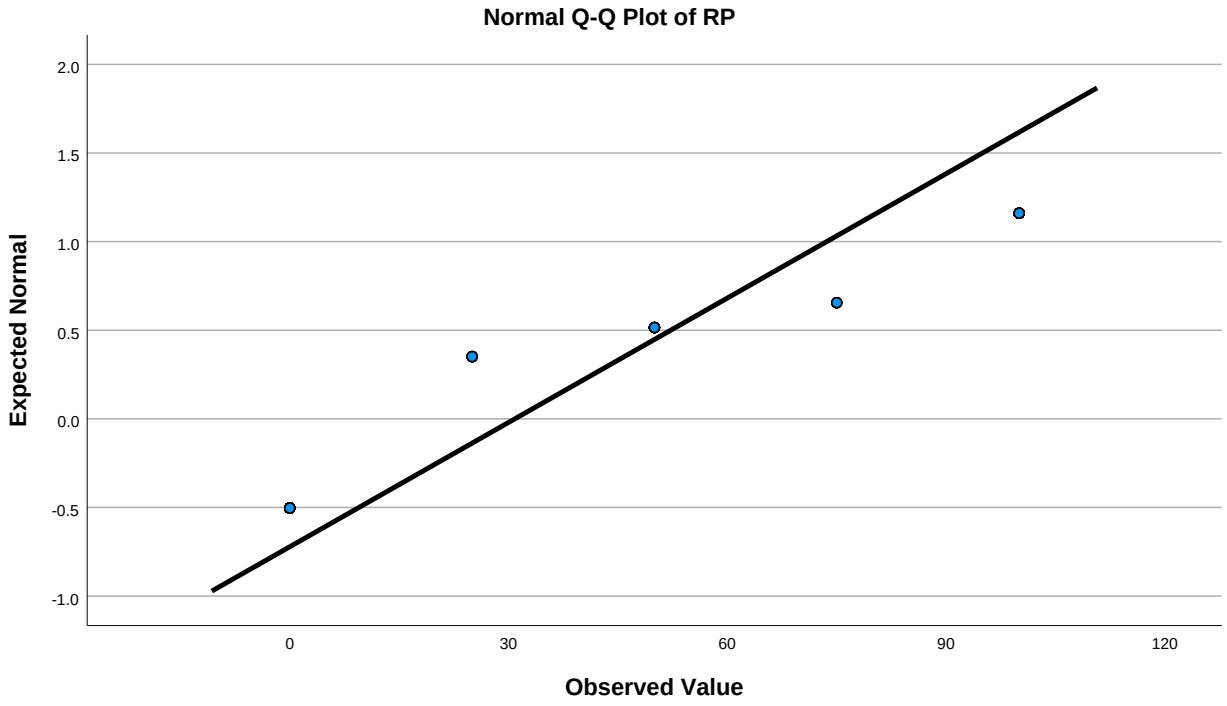

**RP**

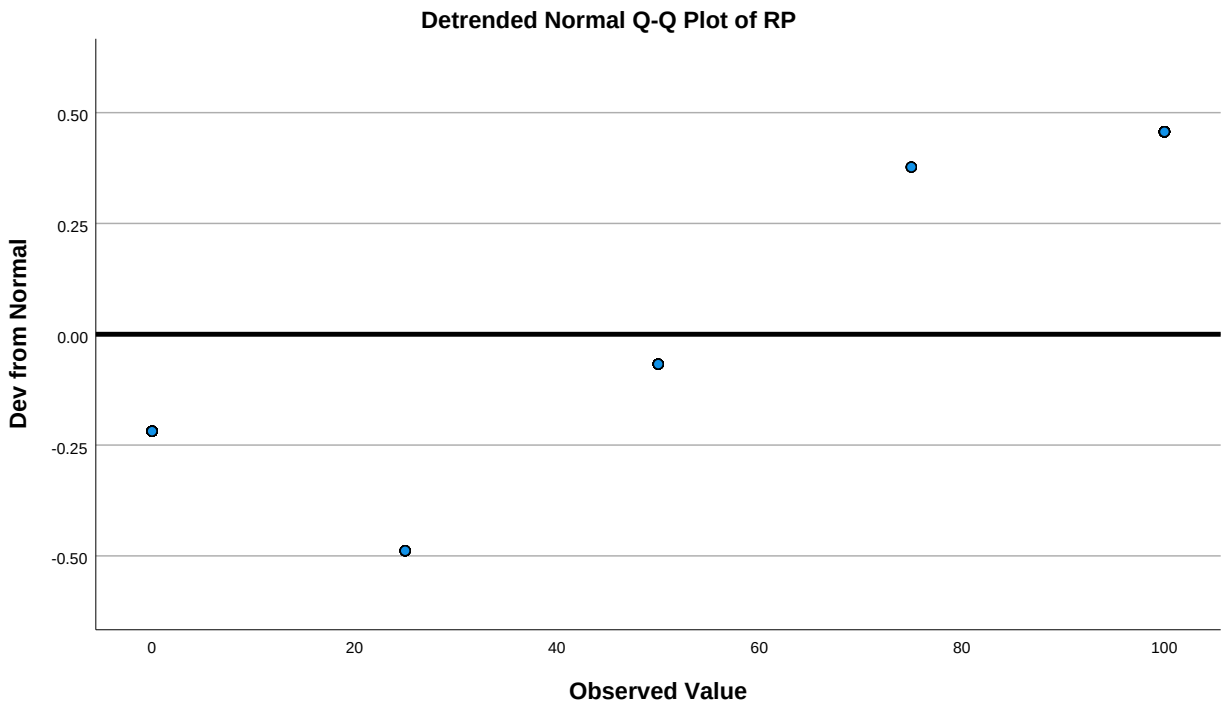


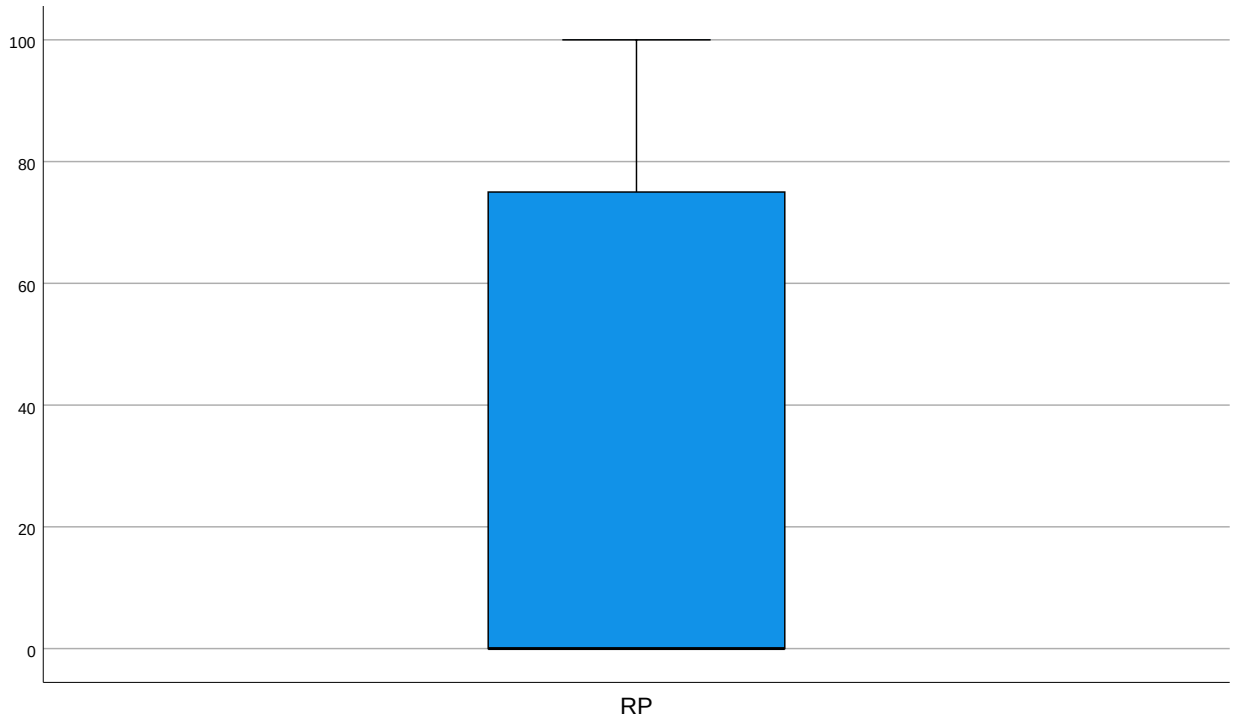

RP Stem-and-Leaf Plot

Frequency Stem & Leaf

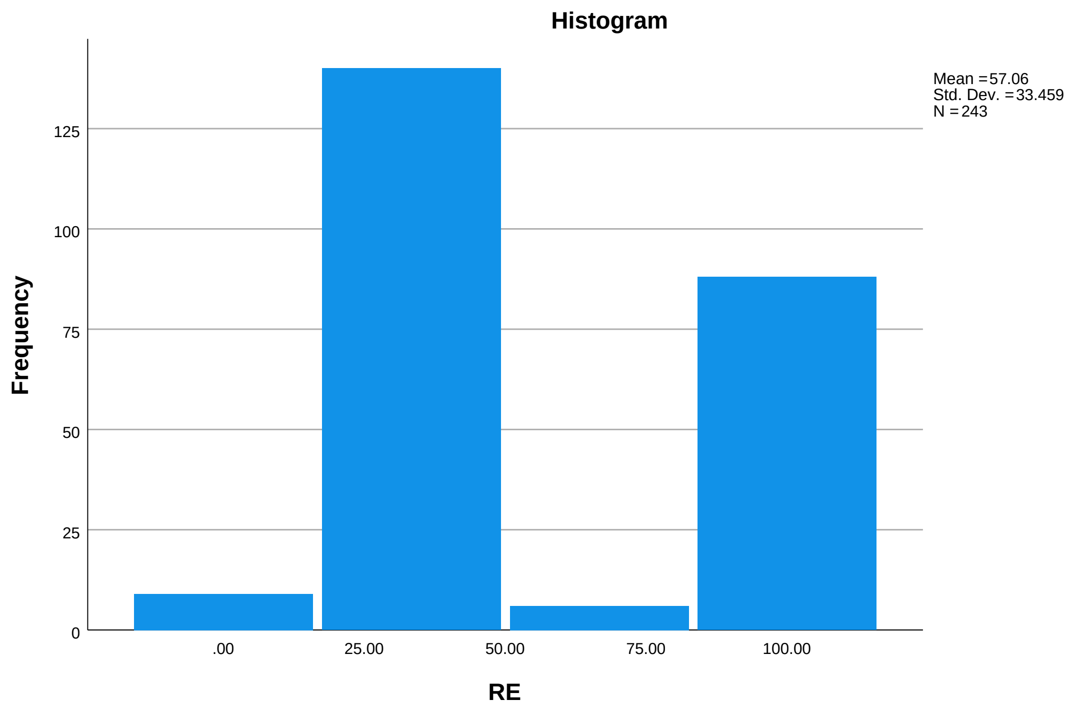
```
   149.00        0 .  00000000000000000000000000000000000000000000000000000000000000000000000
0000000
      .00        1 .
    12.00        2 .  555555
      .00        3 .
      .00        4 .
    17.00        5 .  00000000
      .00        6 .
     6.00        7 .  555
      .00        8 .
      .00        9 .
    59.00       10 .  00000000000000000000000000000

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



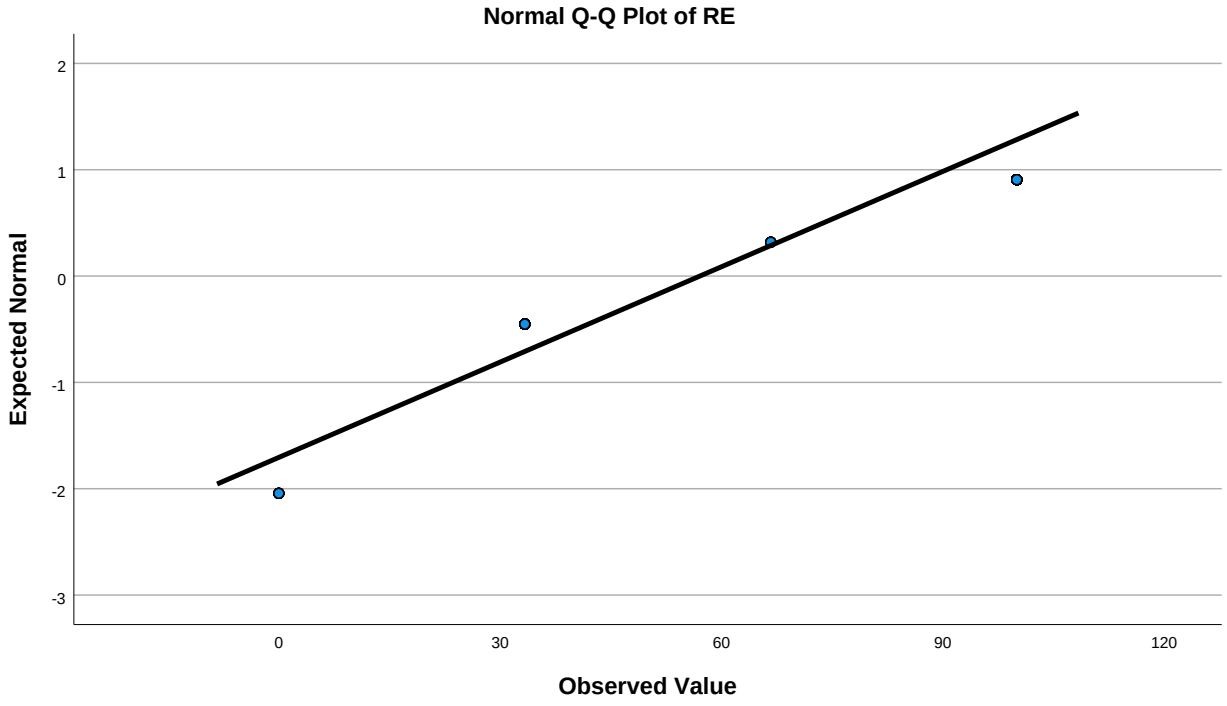

Detrended Normal Q-Q Plot of RP
Dev from Normal
0.50
0.25
0.00
-0.25
-0.50
0
20
40
60
80
100
Observed Value

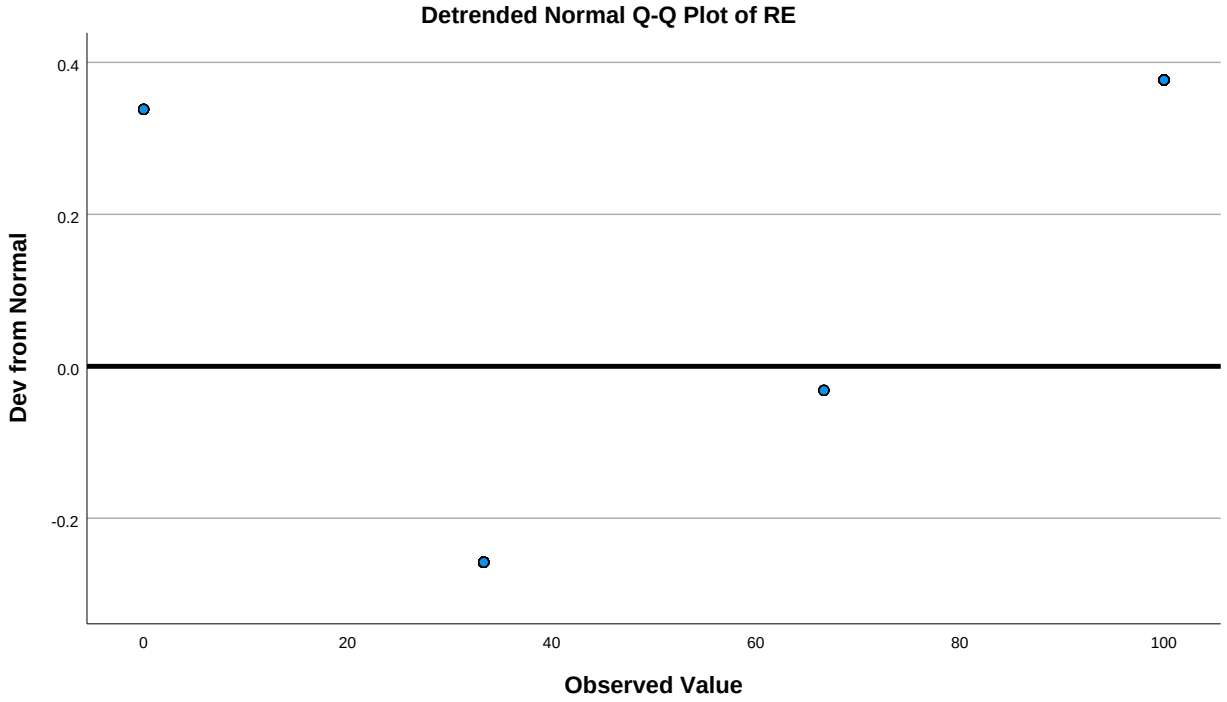

100
80
60
40
20
0
RP

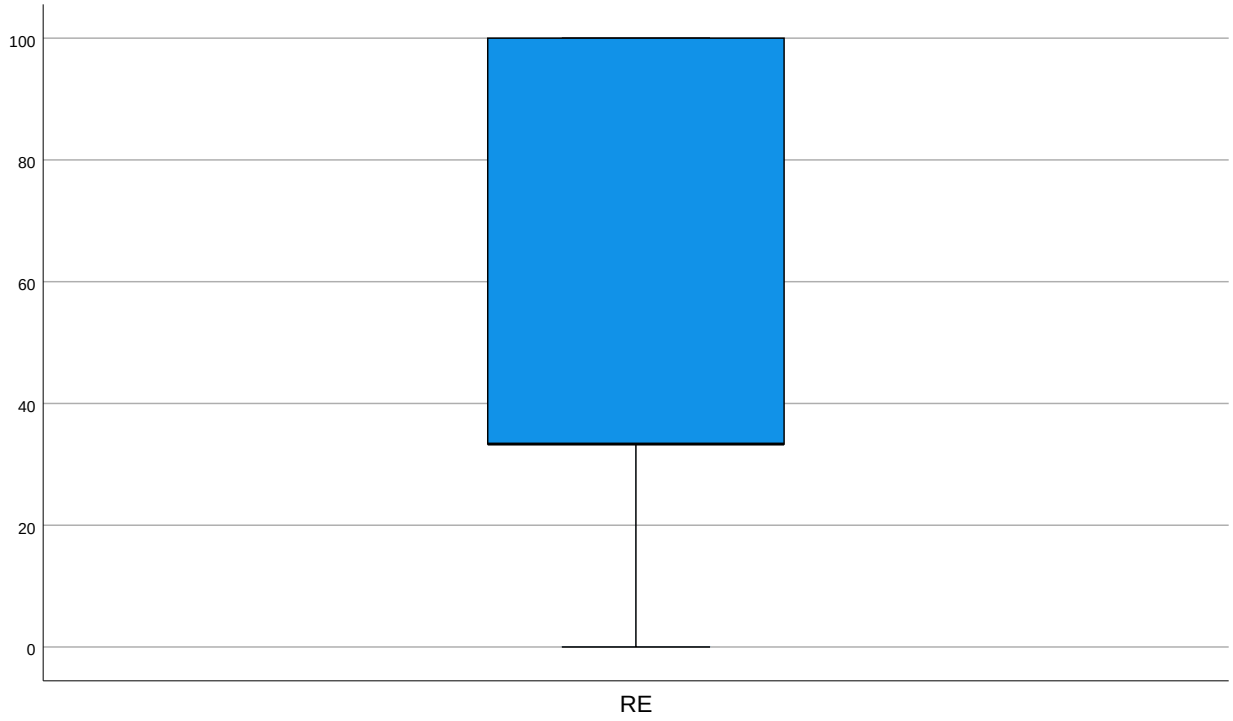
**RE**



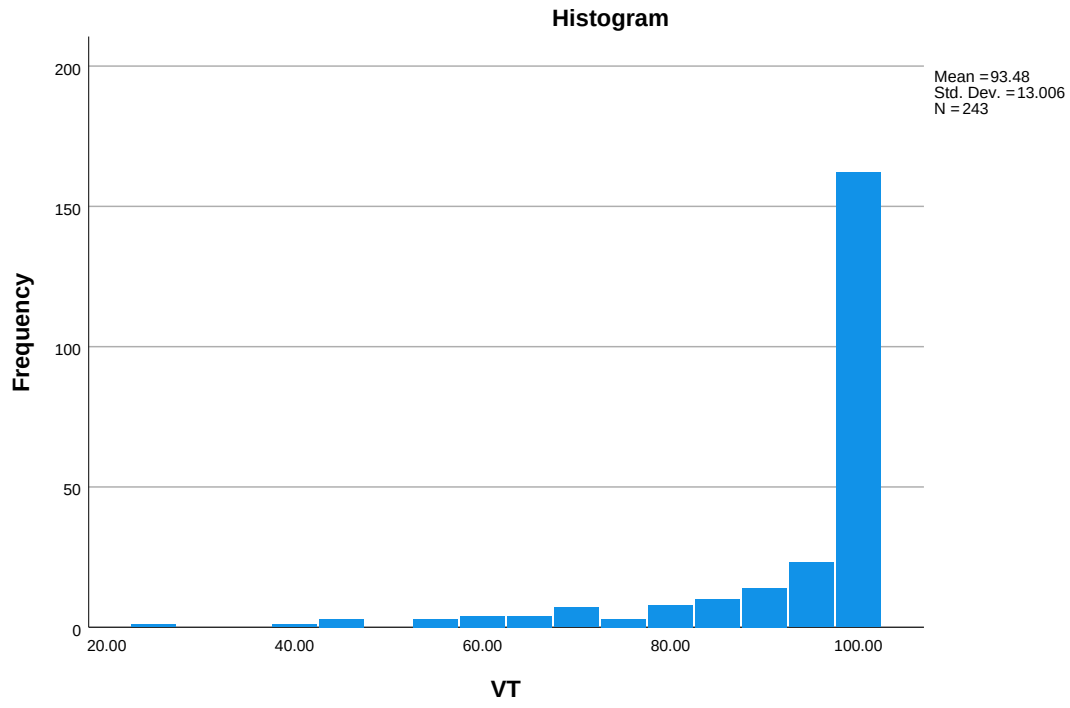

```
RE Stem-and-Leaf Plot

 Frequency    Stem &  Leaf

     9.00        0 .  0000
      .00        1 .
      .00        2 .
   140.00        3 .  3333333333333333333333333333333333333333333333333333333333333333333
333
      .00        4 .
      .00        5 .
     6.00        6 .  666
      .00        7 .
      .00        8 .
      .00        9 .
    88.00       10 .  00000000000000000000000000000000000000000000

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


Normal Q-Q Plot of RE
Expected Normal
2
1
0
-1
-2
-3
0
30
60
90
120
Observed Value


Detrended Normal Q-Q Plot of RE
Dev from Normal
0.4
0.2
0.0
-0.2
0
20
40
60
80
100
Observed Value



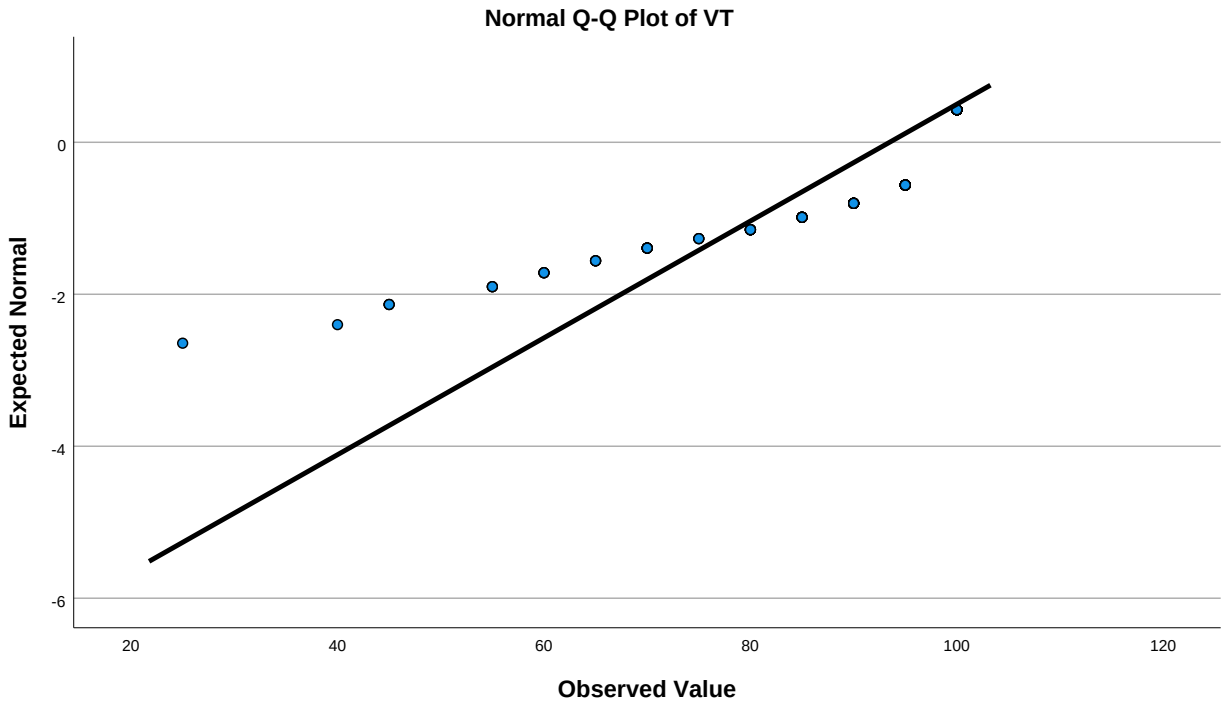

**VT**

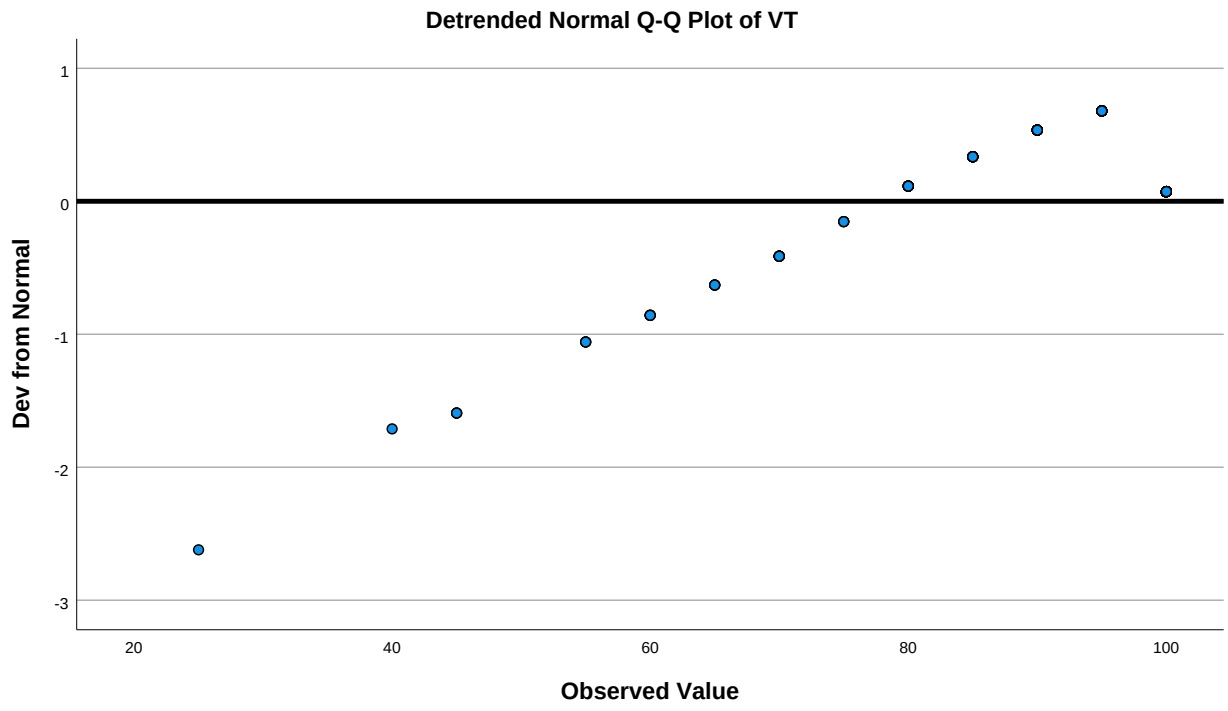


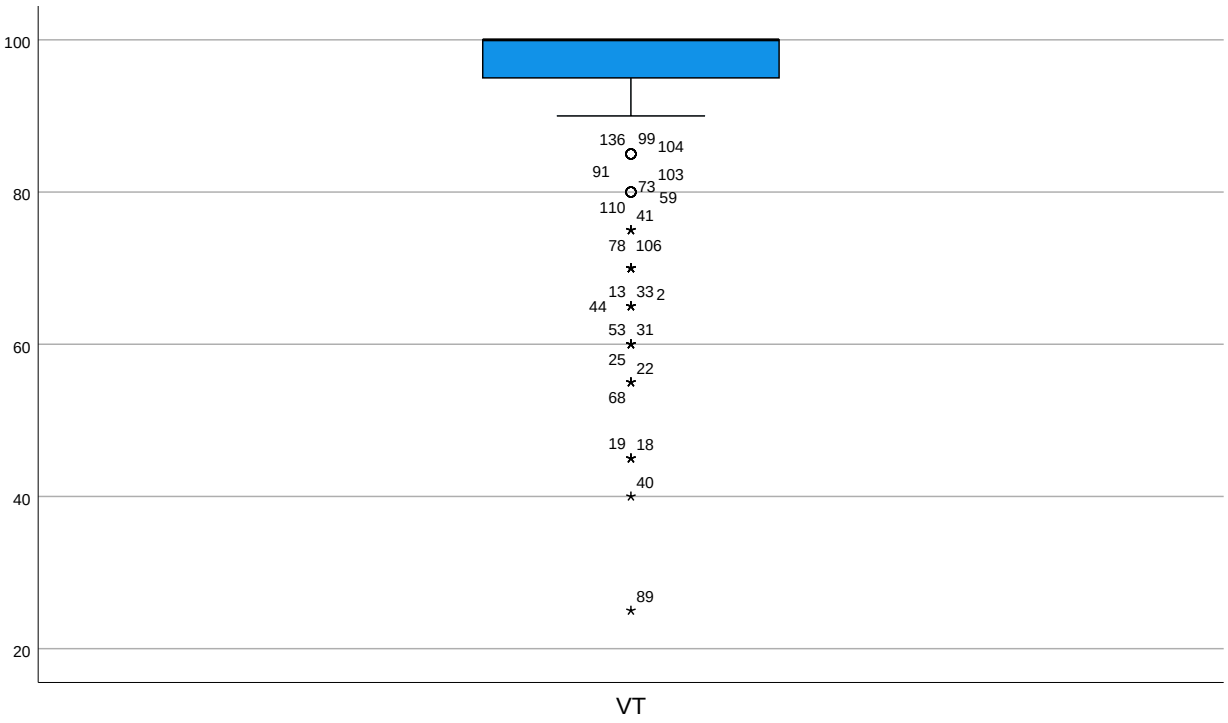

VT Stem-and-Leaf Plot

Frequency  Stem &  Leaf

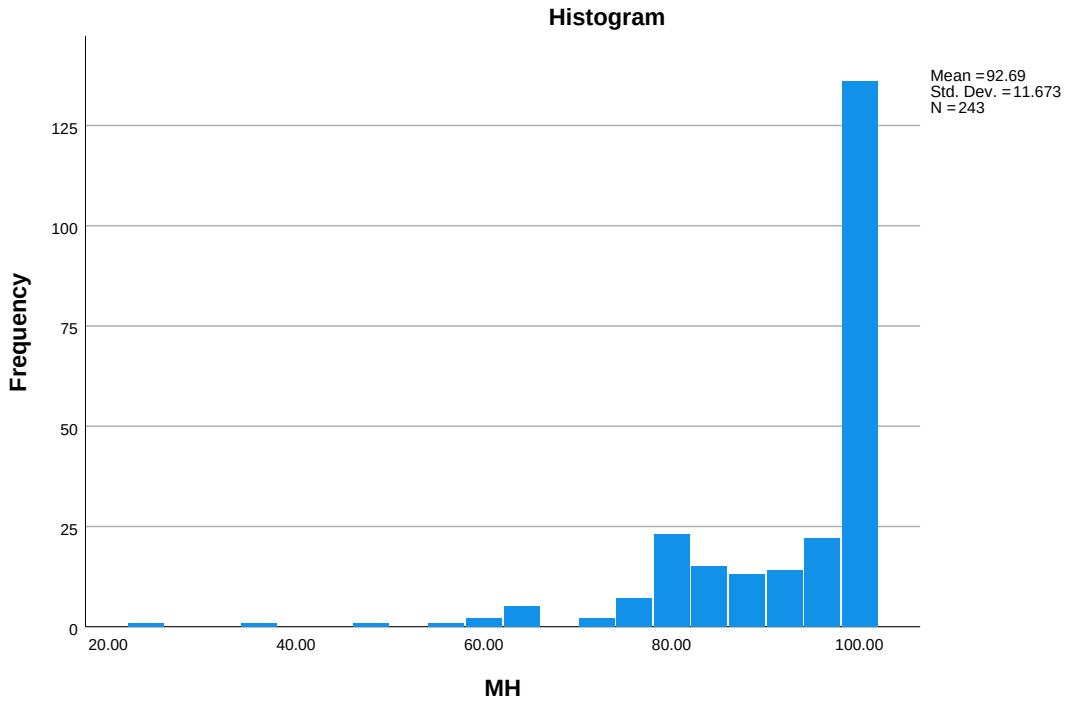
```
    44.00 Extremes    (=<85.0)
    14.00       90 .  0000000
      .00       91 .
      .00       92 .
      .00       93 .
      .00       94 .
    23.00       95 .  00000000000
      .00       96 .
      .00       97 .
      .00       98 .
      .00       99 .
   162.00      100 .  000000000000000000000000000000000000000000000000000000000000000000000000000000
00000000000000

 Stem width:      1.00
 Each leaf:        2 case(s)
```




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


100
80
60
40
20
136
99
104
91
103
73
59
110
41
78
106
13
33
2
44
53
31
25
22
68
19
18
40
89
VT

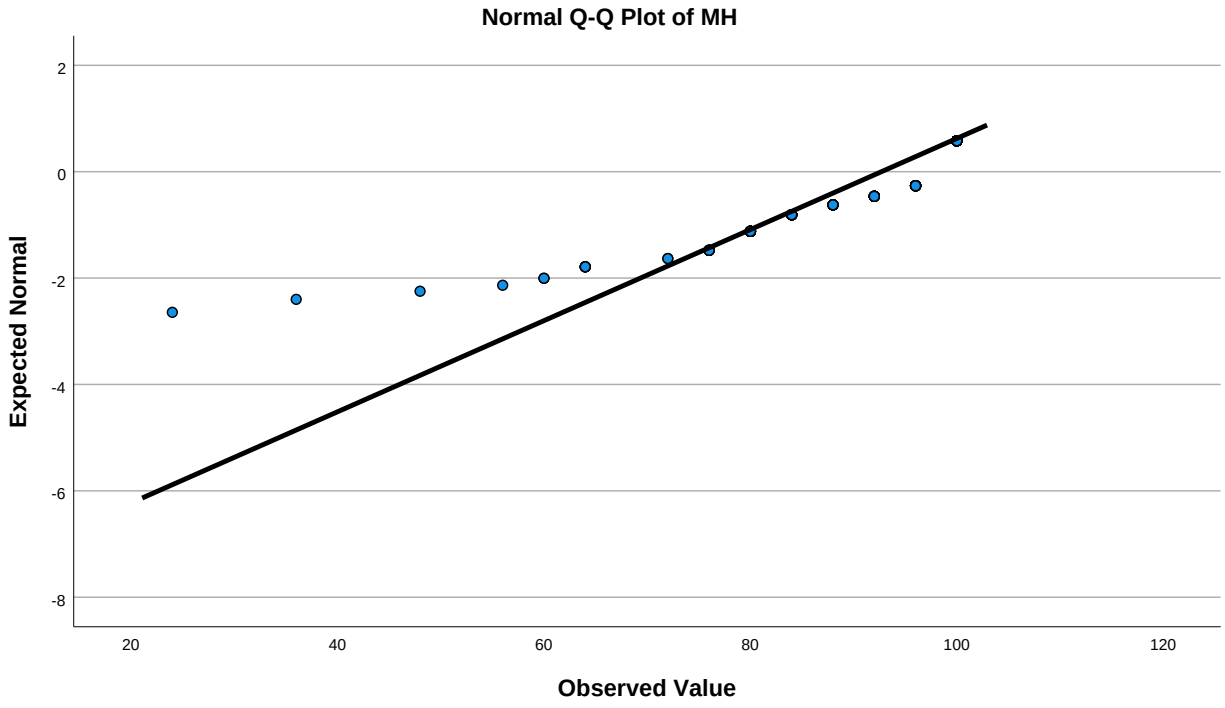
**MH**

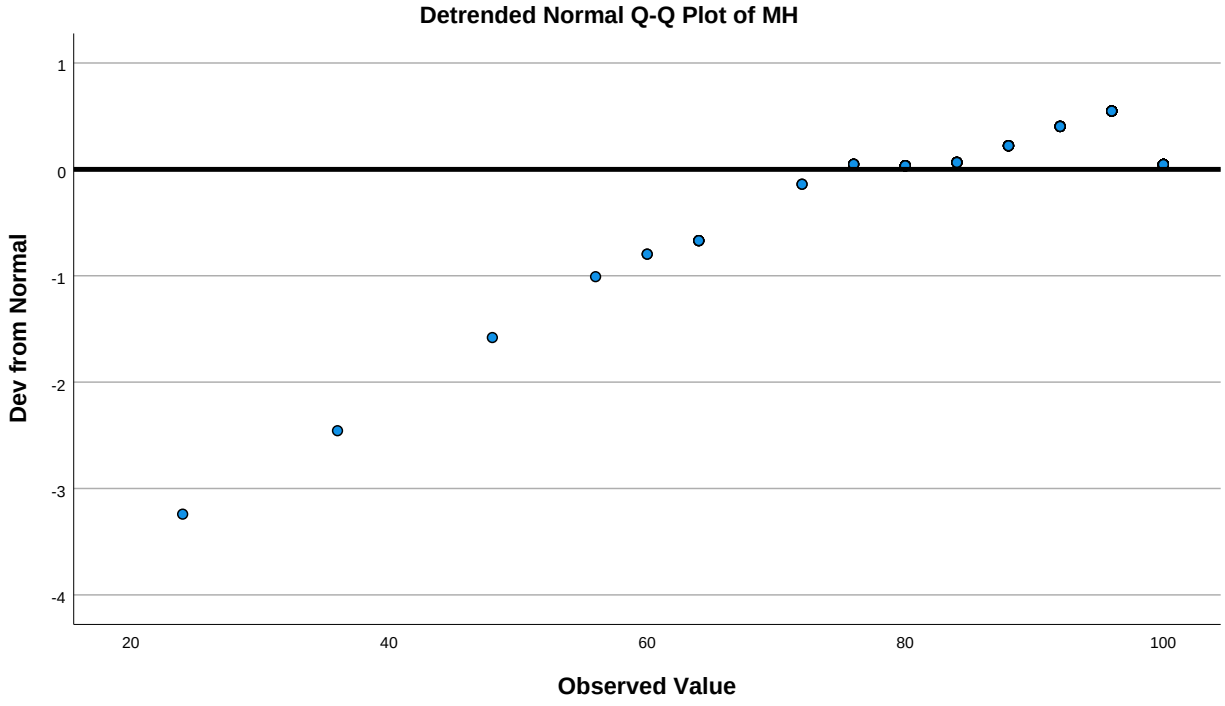


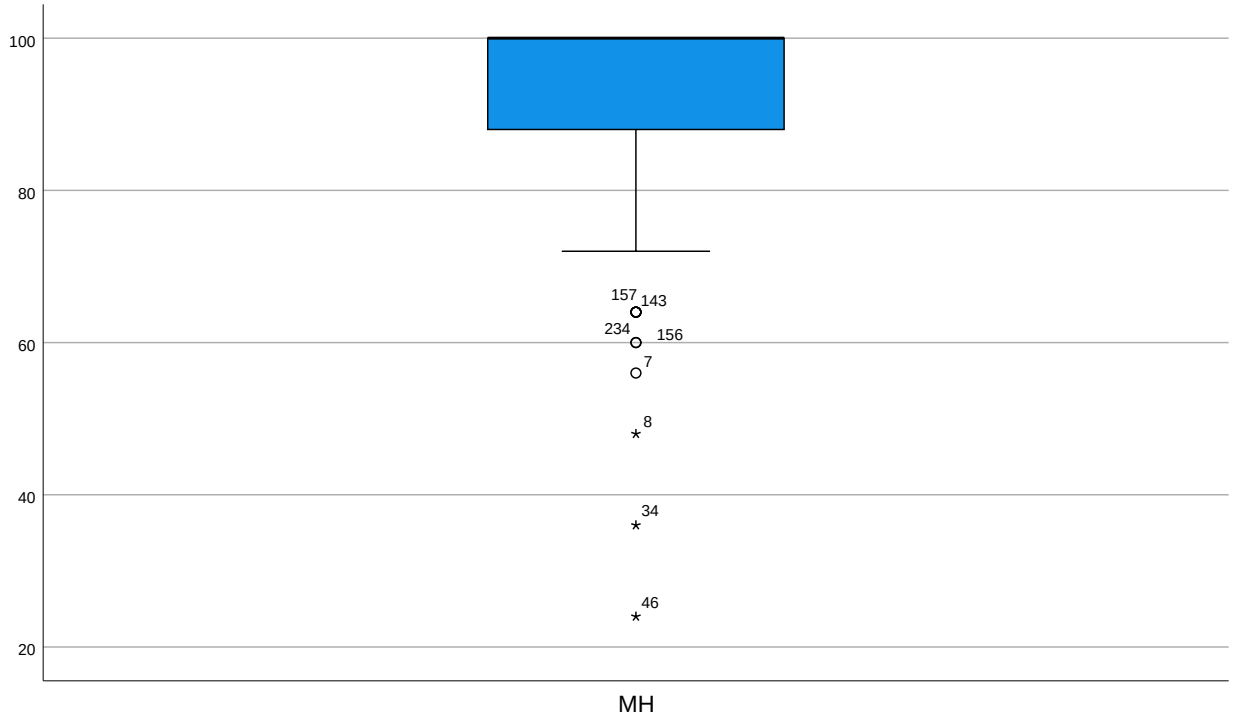

MH Stem-and-Leaf Plot

| Frequency | Stem & | Leaf |
|---|---|---|
| 11.00 | Extremes | (=<64) |
| .00 | 7 . | |
| 2.00 | 7 . | 2 |
| .00 | 7 . | |
| 7.00 | 7 . | 666 |
| .00 | 7 . | |
| 23.00 | 8 . | 00000000000 |
| .00 | 8 . | |
| 15.00 | 8 . | 4444444 |
| .00 | 8 . | |
| 13.00 | 8 . | 888888 |
| .00 | 9 . | |
| 14.00 | 9 . | 2222222 |
| .00 | 9 . | |
| 22.00 | 9 . | 66666666666 |
| .00 | 9 . | |
| 136.00 | 10 . | 00000000000000000000000000000000000000000000000000000000000000000000000000000000 |

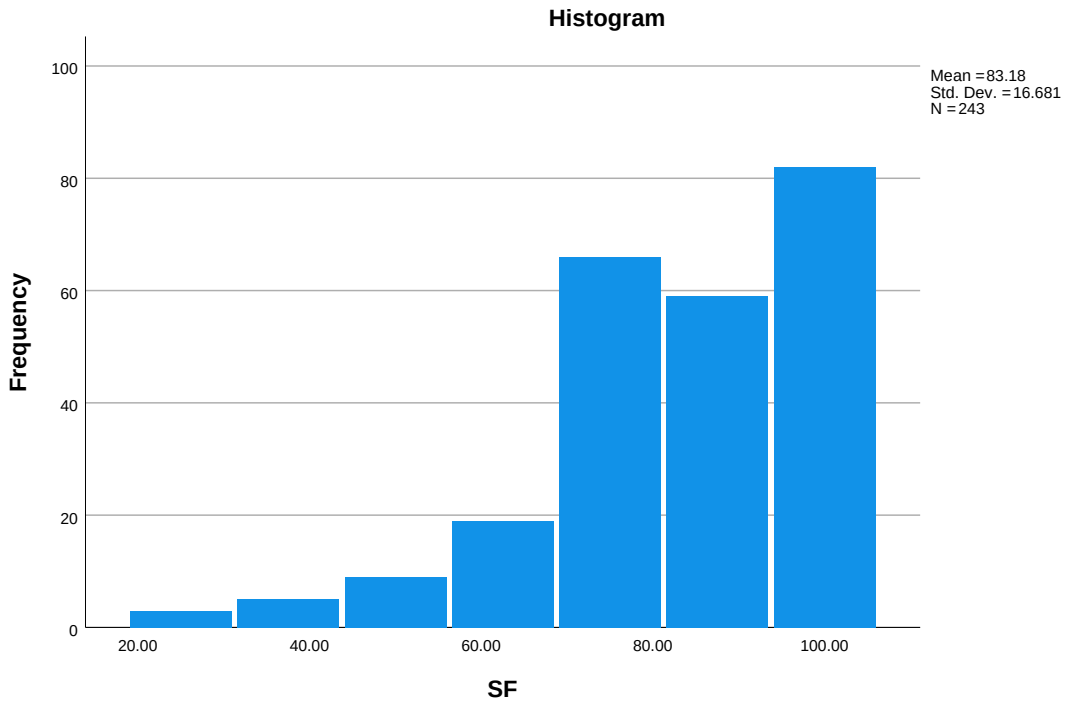
Stem width: 10.00
Each leaf: 2 case(s)


Normal Q-Q Plot of MH
Expected Normal
2
0
-2
-4
-6
-8
20
40
60
80
100
120
Observed Value


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



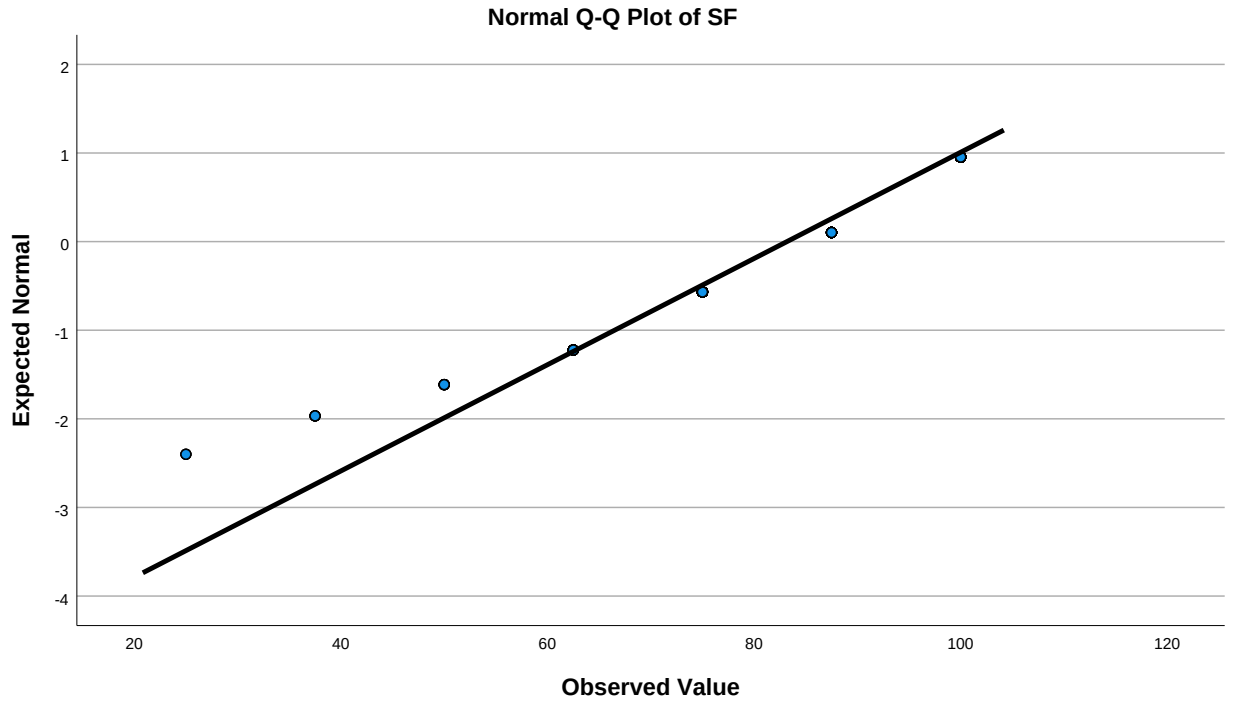

**SF**

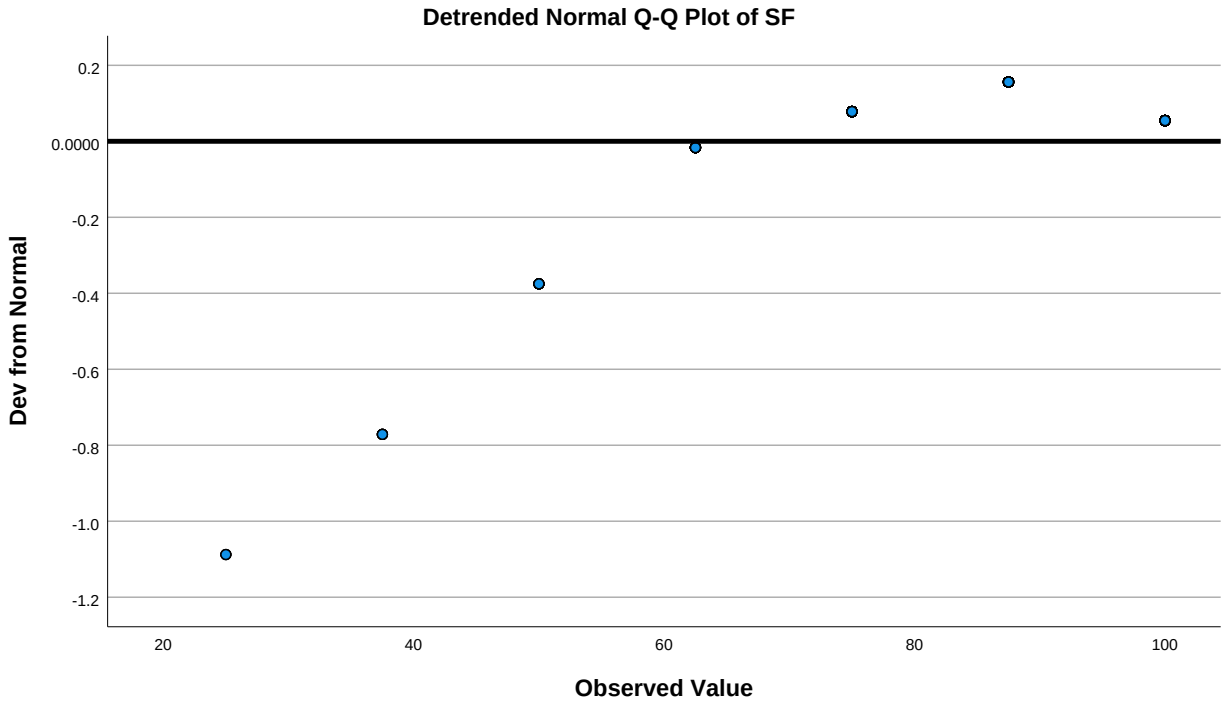


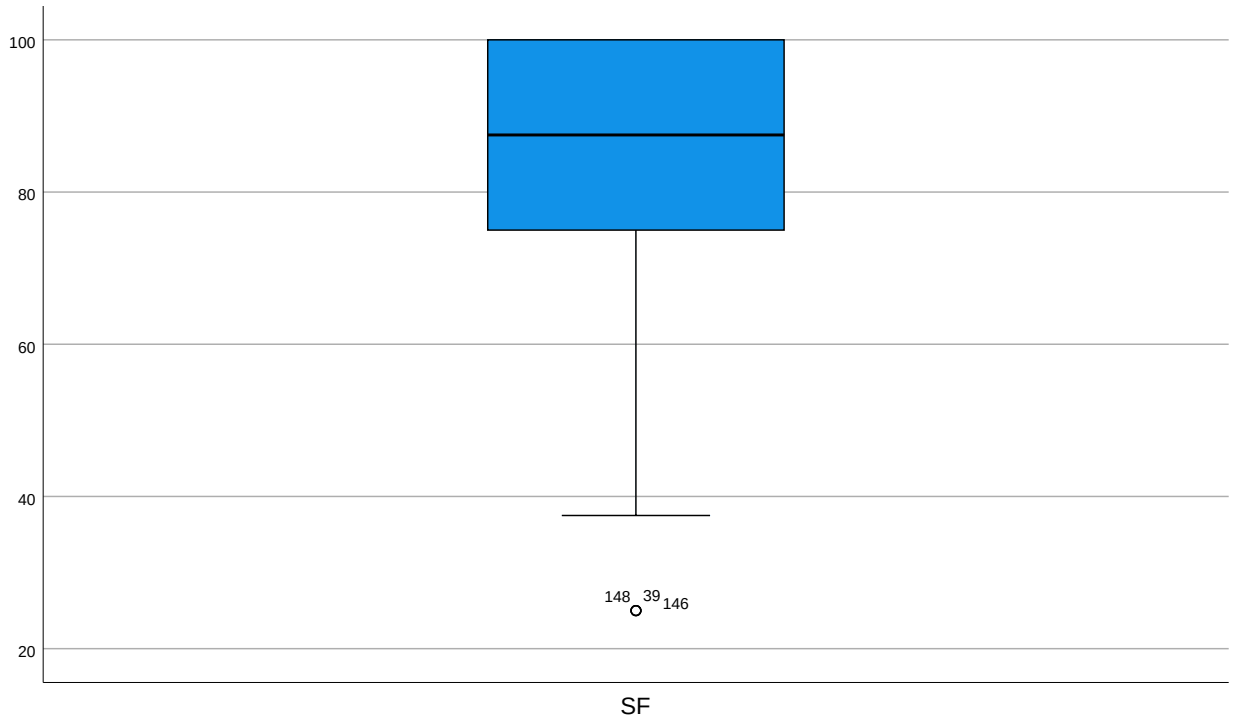

SF Stem-and-Leaf Plot

Frequency  Stem &  Leaf

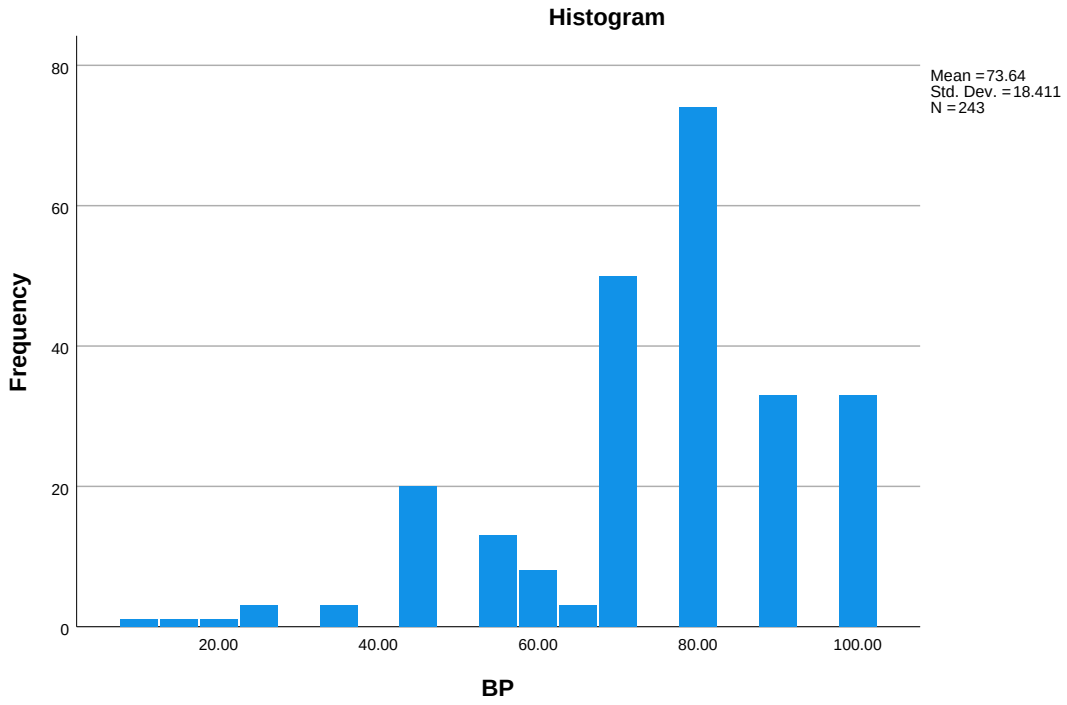
```
     3.00 Extremes    (=<25)
     5.00        3 .  77777
      .00        4 .
      .00        4 .
     9.00        5 .  000000000
      .00        5 .
    19.00        6 .  2222222222222222222
      .00        6 .
      .00        7 .
    66.00        7 .  55555555555555555555555555555555555555555555555555555555555555555555
      .00        8 .
    59.00        8 .  77777777777777777777777777777777777777777777777777777777
      .00        9 .
      .00        9 .
    82.00       10 .  00000000000000000000000000000000000000000000000000000000000000000000
000000000000000

 Stem width:     10.00
 Each leaf:       1 case(s)
```




Detrended Normal Q-Q Plot of SF
Dev from Normal
0.2
0.0000
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
20
40
60
80
100
Observed Value

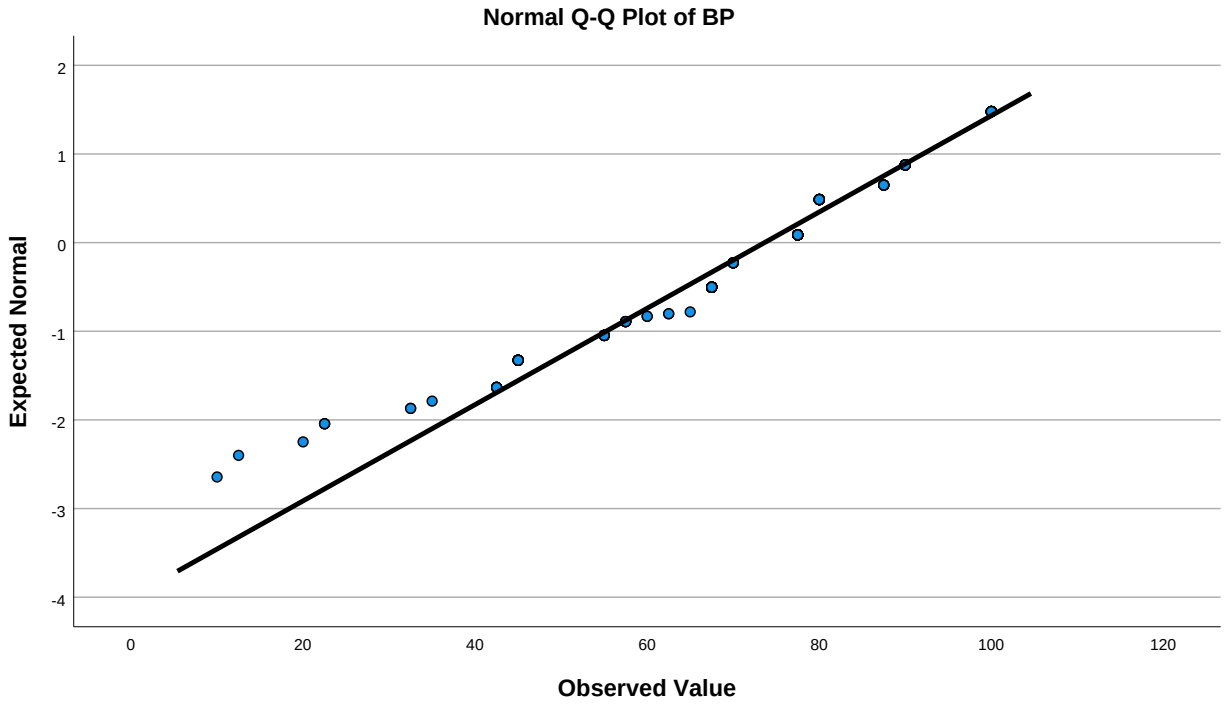

100
80
60
40
20
148
39
146
SF

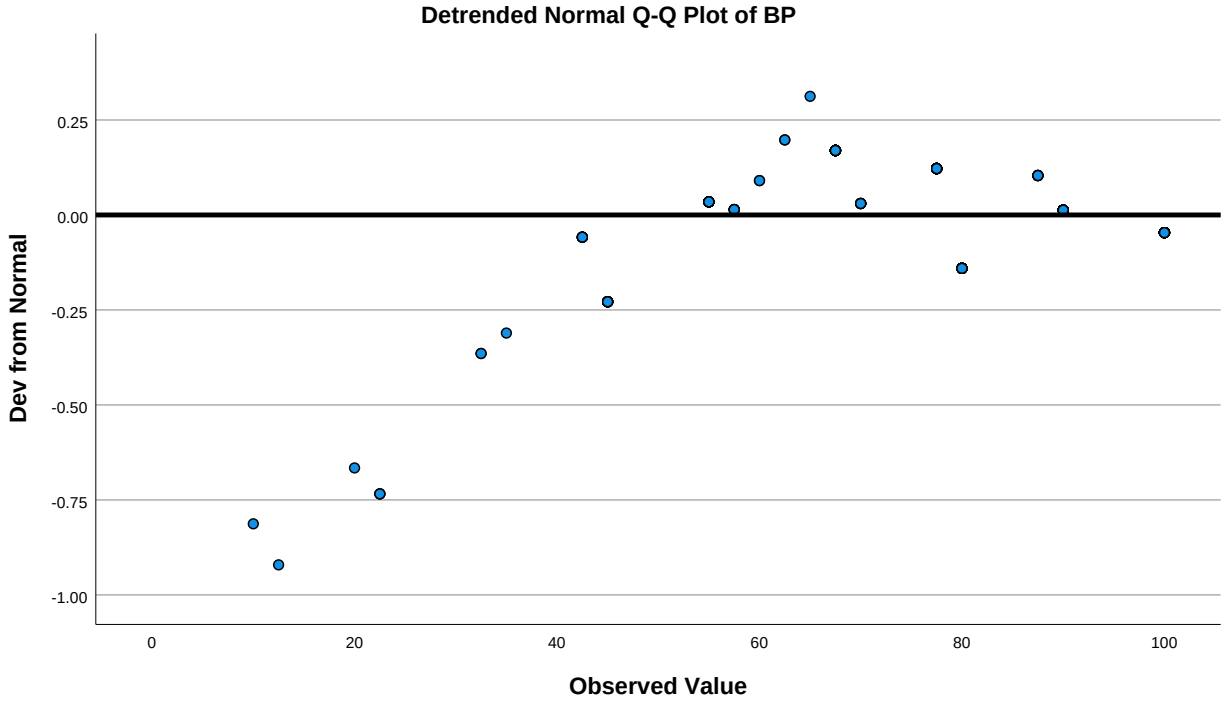
**BP**

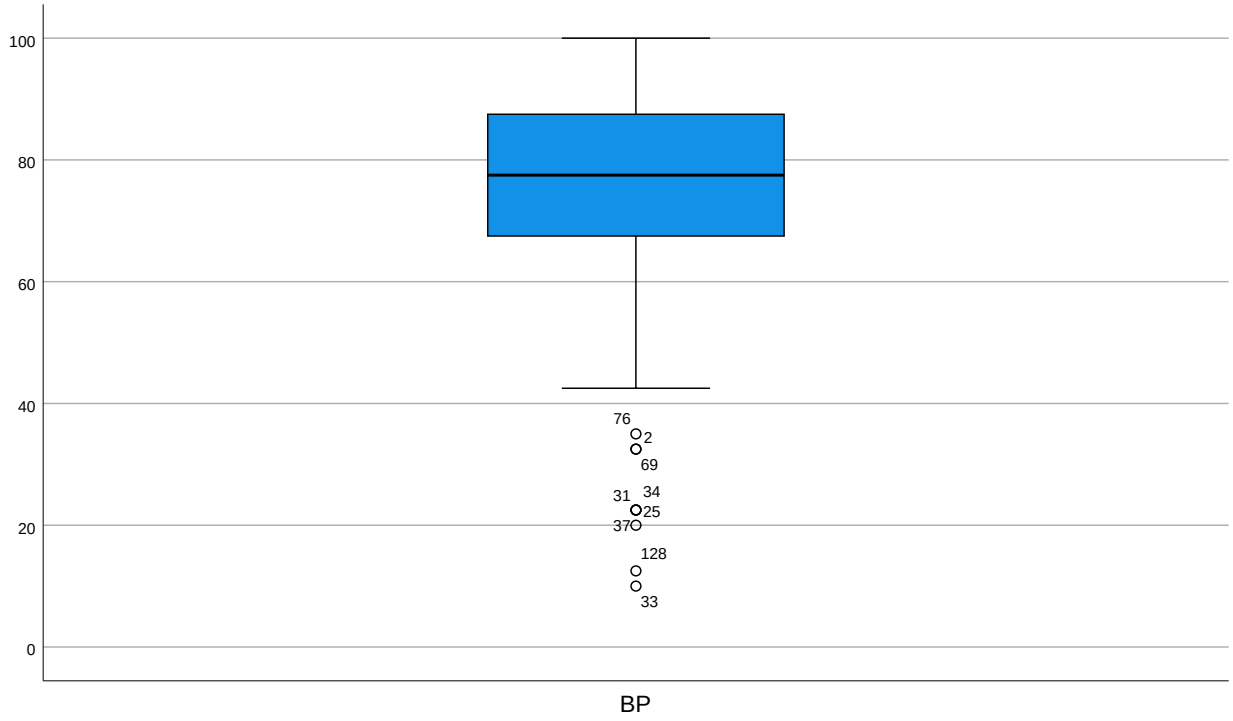



BP Stem-and-Leaf Plot

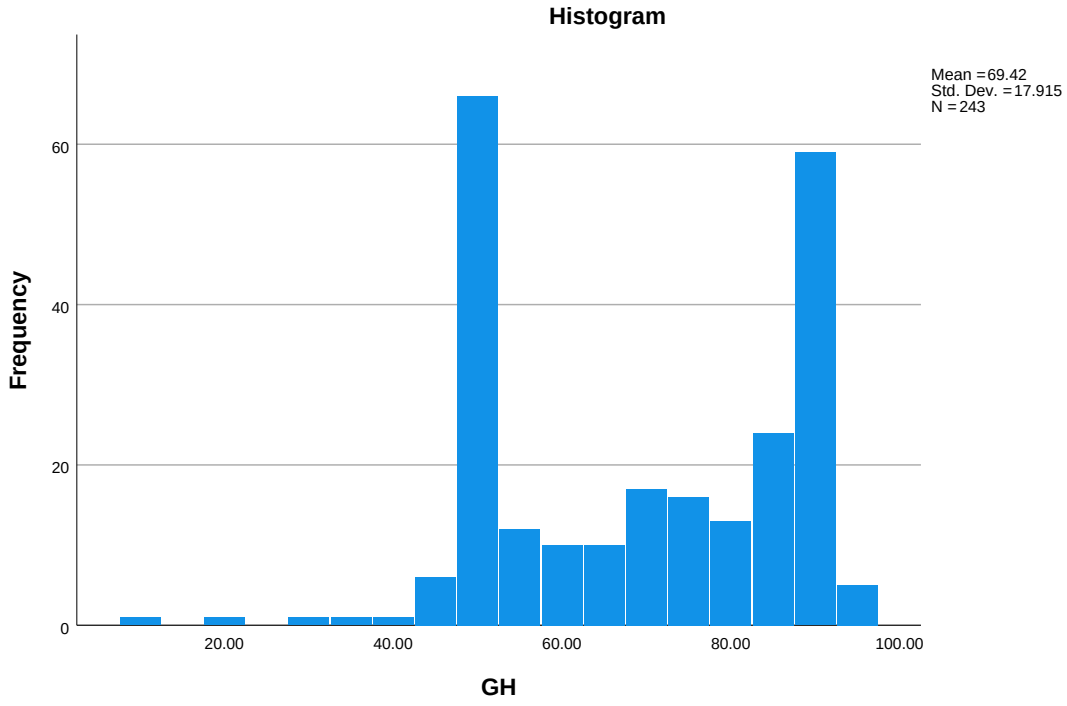
```
 Frequency    Stem &  Leaf

     9.00 Extremes    (=<35)
     6.00        4 .  222222
    14.00        4 .  55555555555555
      .00        5 .
    19.00        5 .  5555555555555777777
     4.00        6 .  0022
    44.00        6 .  57777777777777777777777777777777777777777
     7.00        7 .  0000000
    54.00        7 .  777777777777777777777777777777777777777777777777
    20.00        8 .  00000000000000000000
     7.00        8 .  7777777
    26.00        9 .  00000000000000000000000000
      .00        9 .
    33.00       10 .  0000000000000000000000000000000000

 Stem width:     10.00
 Each leaf:       1 case(s)
```


Normal Q-Q Plot of BP
Expected Normal
2
1
0
-1
-2
-3
-4
0
20
40
60
80
100
120
Observed Value


Detrended Normal Q-Q Plot of BP
Dev from Normal
0.25
0.00
-0.25
-0.50
-0.75
-1.00
0
20
40
60
80
100
Observed Value

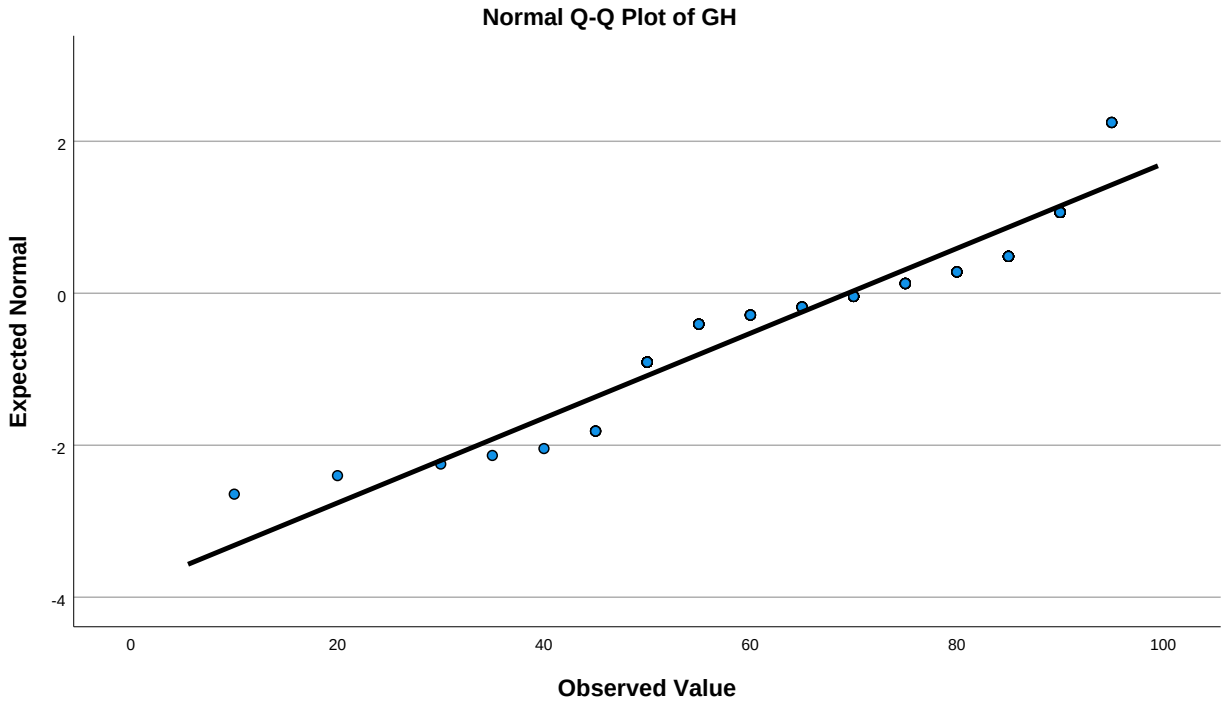


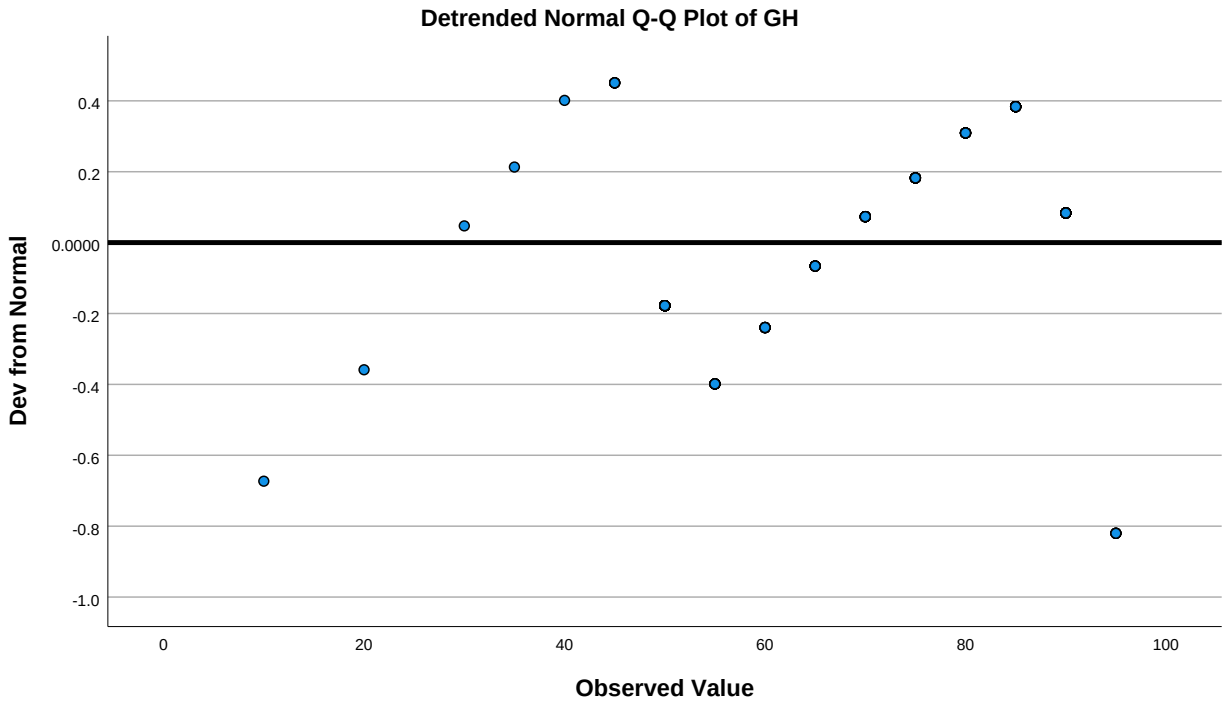

**GH**

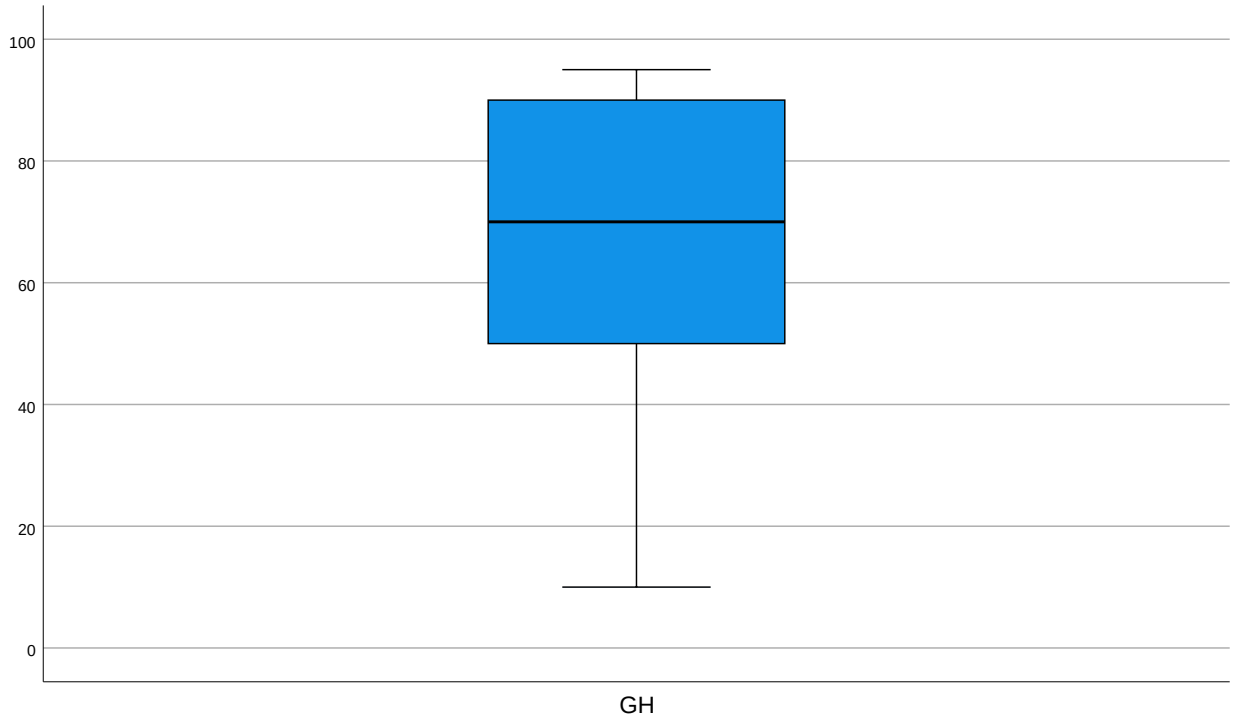



```
GH Stem-and-Leaf Plot

 Frequency    Stem &  Leaf
```

```
   1.00        1 .  0
    .00        1 .
   1.00        2 .  0
    .00        2 .
   1.00        3 .  0
   1.00        3 .  5
   1.00        4 .  0
   6.00        4 .  555555
  66.00        5 .  000000000000000000000000000000000000000000000000000000000000000000000000
  12.00        5 .  555555555555
  10.00        6 .  0000000000
  10.00        6 .  5555555555
  17.00        7 .  00000000000000000
  16.00        7 .  55555555555555555
  13.00        8 .  00000000000000
  24.00        8 .  555555555555555555555555
  59.00        9 .  00000000000000000000000000000000000000000000000000000000000000000000000
   5.00        9 .  55555

Stem width:     10.00
Each leaf:       1 case(s)
```




Detrended Normal Q-Q Plot of GH
Dev from Normal
0.4
0.2
0.0000
-0.2
-0.4
-0.6
-0.8
-1.0
0
20
40
60
80
100
Observed Value


100
80
60
40
20
0
GH