

```

GET DATA /TYPE=XLSX
  /FILE='C:\Users\Lenovo\OneDrive\Masaüstü\Alt Pol 2.xlsx'
  /SHEET=name 'Sayfal'
  /CELLRANGE=full
  /READNAMES=on
  /ASSUMEDSTRWIDTH#32767.
EXECUTE.
DATASET NAME DataSet1 WINDOW=FRONT.

SAVE OUTFILE='C:\Users\Lenovo\OneDrive\Masaüstü\Lower Pole.sav'
  /COMPRESSED.
FREQUENCIES VARIABLES=Gender Side Residual StoneFree
  /ORDER=ANALYSIS.

```

## Frequencies

### Notes

|                        |                                   |                                                                                |
|------------------------|-----------------------------------|--------------------------------------------------------------------------------|
| Output Created         |                                   | 04-AUG-2026 10:57:16                                                           |
| Comments               |                                   |                                                                                |
| Input                  | Data                              | C:<br>\Users\Lenovo\OneDrive\Masaüstü\L<br>ower Pole.sav                       |
|                        | Active Dataset                    | DataSet1                                                                       |
|                        | Filter                            | <none>                                                                         |
|                        | Weight                            | <none>                                                                         |
|                        | Split File                        | <none>                                                                         |
|                        | N of Rows in Working Data<br>File | 116                                                                            |
| Missing Value Handling | Definition of Missing             | User-defined missing values are<br>treated as missing.                         |
|                        | Cases Used                        | Statistics are based on all cases with<br>valid data.                          |
| Syntax                 |                                   | FREQUENCIES<br>VARIABLES=Gender Side Residual<br>StoneFree<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time                    | 00:00:00,00                                                                    |
|                        | Elapsed Time                      | 00:00:00,01                                                                    |

[DataSet1] C:\Users\Lenovo\OneDrive\Masaüstü\Lower Pole.sav

### Statistics

|   |         | Gender | Stone side | Residual stone category | Stone-free status |
|---|---------|--------|------------|-------------------------|-------------------|
| N | Valid   | 116    | 116        | 116                     | 116               |
|   | Missing | 0      | 0          | 0                       | 0                 |

### Frequency Table

#### Gender

|       |        | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|--------|-----------|---------|---------------|--------------------|
| Valid | Male   | 60        | 51,7    | 51,7          | 51,7               |
|       | Female | 56        | 48,3    | 48,3          | 100,0              |
|       | Total  | 116       | 100,0   | 100,0         |                    |

#### Stone side

|       |       | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------|-----------|---------|---------------|--------------------|
| Valid | Left  | 62        | 53,4    | 53,4          | 53,4               |
|       | Right | 54        | 46,6    | 46,6          | 100,0              |
|       | Total | 116       | 100,0   | 100,0         |                    |

#### Residual stone category

|       |                            | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----------------------------|-----------|---------|---------------|--------------------|
| Valid | No residual stone          | 41        | 35,3    | 35,3          | 35,3               |
|       | Residual stone ≤2 mm       | 35        | 30,2    | 30,2          | 65,5               |
|       | Residual stone >2 to ≤4 mm | 19        | 16,4    | 16,4          | 81,9               |
|       | Residual stone >4 mm       | 21        | 18,1    | 18,1          | 100,0              |
|       | Total                      | 116       | 100,0   | 100,0         |                    |

#### Stone-free status

|       |                | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----------------|-----------|---------|---------------|--------------------|
| Valid | Not stone-free | 40        | 34,5    | 34,5          | 34,5               |
|       | Stone-free     | 76        | 65,5    | 65,5          | 100,0              |
|       | Total          | 116       | 100,0   | 100,0         |                    |

```
EXAMINE VARIABLES=Age L W H Volume Density Elbahnasy PSA MSEA IL IW OpTime
/PLOT BOXPLOT STEMLEAF HISTOGRAM NPPLLOT
/COMPARE GROUPS
```

```

/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.

```

## Explore

### Notes

|                        |                                |                                                                                                                                                                                                                                 |
|------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                                | 04-AUG-2026 11:01:05                                                                                                                                                                                                            |
| Comments               |                                |                                                                                                                                                                                                                                 |
| Input                  | Data                           | C:<br>\\Users\\Lenovo\\OneDrive\\Masaüstü\\Lower Pole.sav                                                                                                                                                                       |
|                        | Active Dataset                 | DataSet1                                                                                                                                                                                                                        |
|                        | Filter                         | <none>                                                                                                                                                                                                                          |
|                        | Weight                         | <none>                                                                                                                                                                                                                          |
|                        | Split File                     | <none>                                                                                                                                                                                                                          |
|                        | N of Rows in Working Data File | 116                                                                                                                                                                                                                             |
| 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=Age L W H<br>Volume Density Elbahnasy PSA<br>MSEA IL IW OpTime<br>/PLOT BOXPLOT STEMLEAF<br>HISTOGRAM NPLOT<br>/COMPARE GROUPS<br>/STATISTICS DESCRIPTIVES<br>/CINTERVAL 95<br>/MISSING LISTWISE<br>/NOTOTAL. |
| Resources              | Processor Time                 | 00:00:11,27                                                                                                                                                                                                                     |
|                        | Elapsed Time                   | 00:00:07,52                                                                                                                                                                                                                     |

### Case Processing Summary

|                                 | Cases |         |         |         |       |         |
|---------------------------------|-------|---------|---------|---------|-------|---------|
|                                 | Valid |         | Missing |         | Total |         |
|                                 | N     | Percent | N       | Percent | N     | Percent |
| Age (years)                     | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Stone length (mm)               | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Stone width (mm)                | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Stone height (mm)               | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Stone volume (mm <sup>3</sup> ) | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Stone density (HU)              | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Elbahnasy angle (°)             | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Pelvic stone angle (°)          | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Maximum stone-edge angle (°)    | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Infundibular length (mm)        | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Infundibular width (mm)         | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |
| Operation time (min)            | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |

### Descriptives

|                   |                                  |             | Statistic | Std. Error |
|-------------------|----------------------------------|-------------|-----------|------------|
| Age (years)       | Mean                             |             | 50,76     | 1,255      |
|                   | 95% Confidence Interval for Mean | Lower Bound | 48,27     |            |
|                   |                                  | Upper Bound | 53,25     |            |
|                   | 5% Trimmed Mean                  |             | 50,85     |            |
|                   | Median                           |             | 51,00     |            |
|                   | Variance                         |             | 182,793   |            |
|                   | Std. Deviation                   |             | 13,520    |            |
|                   | Minimum                          |             | 23        |            |
|                   | Maximum                          |             | 78        |            |
|                   | Range                            |             | 55        |            |
|                   | Interquartile Range              |             | 21        |            |
|                   | Skewness                         |             | -,099     | ,225       |
|                   | Kurtosis                         |             | -,859     | ,446       |
| Stone length (mm) | Mean                             |             | 14,03     | ,332       |
|                   | 95% Confidence Interval for Mean | Lower Bound | 13,38     |            |
|                   |                                  | Upper Bound | 14,69     |            |
|                   | 5% Trimmed Mean                  |             | 14,14     |            |
|                   | Median                           |             | 14,00     |            |
|                   | Variance                         |             | 12,764    |            |
|                   | Std. Deviation                   |             | 3,573     |            |
|                   | Minimum                          |             | 5         |            |
|                   | Maximum                          |             | 20        |            |
|                   | Range                            |             | 15        |            |
|                   | Interquartile Range              |             | 5         |            |

### Descriptives

|                                 |                                  |             | Statistic  | Std. Error |
|---------------------------------|----------------------------------|-------------|------------|------------|
|                                 | Skewness                         |             | -,356      | ,225       |
|                                 | Kurtosis                         |             | -,674      | ,446       |
| Stone width (mm)                | Mean                             |             | 10,61      | ,286       |
|                                 | 95% Confidence Interval for Mean | Lower Bound | 10,04      |            |
|                                 |                                  | Upper Bound | 11,18      |            |
|                                 | 5% Trimmed Mean                  |             | 10,61      |            |
|                                 | Median                           |             | 11,00      |            |
|                                 | Variance                         |             | 9,509      |            |
|                                 | Std. Deviation                   |             | 3,084      |            |
|                                 | Minimum                          |             | 4          |            |
|                                 | Maximum                          |             | 18         |            |
|                                 | Range                            |             | 14         |            |
|                                 | Interquartile Range              |             | 5          |            |
|                                 | Skewness                         |             | -,100      | ,225       |
|                                 | Kurtosis                         |             | -,543      | ,446       |
| Stone height (mm)               | Mean                             |             | 10,28      | ,255       |
|                                 | 95% Confidence Interval for Mean | Lower Bound | 9,78       |            |
|                                 |                                  | Upper Bound | 10,79      |            |
|                                 | 5% Trimmed Mean                  |             | 10,27      |            |
|                                 | Median                           |             | 10,00      |            |
|                                 | Variance                         |             | 7,527      |            |
|                                 | Std. Deviation                   |             | 2,744      |            |
|                                 | Minimum                          |             | 5          |            |
|                                 | Maximum                          |             | 16         |            |
|                                 | Range                            |             | 11         |            |
|                                 | Interquartile Range              |             | 4          |            |
|                                 | Skewness                         |             | ,067       | ,225       |
|                                 | Kurtosis                         |             | -,862      | ,446       |
| Stone volume (mm <sup>3</sup> ) | Mean                             |             | 857,6503   | 41,08534   |
|                                 | 95% Confidence Interval for Mean | Lower Bound | 776,2681   |            |
|                                 |                                  | Upper Bound | 939,0324   |            |
|                                 | 5% Trimmed Mean                  |             | 849,1227   |            |
|                                 | Median                           |             | 878,3369   |            |
|                                 | Variance                         |             | 195808,634 |            |
|                                 | Std. Deviation                   |             | 442,50269  |            |
|                                 | Minimum                          |             | 52,36      |            |
|                                 | Maximum                          |             | 1851,45    |            |
|                                 | Range                            |             | 1799,09    |            |
|                                 | Interquartile Range              |             | 580,15     |            |
|                                 | Skewness                         |             | ,259       | ,225       |
|                                 | Kurtosis                         |             | -,438      | ,446       |
| Stone density (HU)              | Mean                             |             | 1007,37    | 31,863     |

### Descriptives

|                              |                                  |             | Statistic  | Std. Error |
|------------------------------|----------------------------------|-------------|------------|------------|
|                              | 95% Confidence Interval for Mean | Lower Bound | 944,26     |            |
|                              |                                  | Upper Bound | 1070,49    |            |
|                              | 5% Trimmed Mean                  |             | 1008,10    |            |
|                              | Median                           |             | 1004,50    |            |
|                              | Variance                         |             | 117768,809 |            |
|                              | Std. Deviation                   |             | 343,175    |            |
|                              | Minimum                          |             | 249        |            |
|                              | Maximum                          |             | 1753       |            |
|                              | Range                            |             | 1504       |            |
|                              | Interquartile Range              |             | 492        |            |
|                              | Skewness                         |             | ,024       | ,225       |
|                              | Kurtosis                         |             | -,390      | ,446       |
| Elbahnasy angle (°)          | Mean                             |             | 51,767     | 1,3694     |
|                              | 95% Confidence Interval for Mean | Lower Bound | 49,055     |            |
|                              |                                  | Upper Bound | 54,480     |            |
|                              | 5% Trimmed Mean                  |             | 51,530     |            |
|                              | Median                           |             | 50,400     |            |
|                              | Variance                         |             | 217,536    |            |
|                              | Std. Deviation                   |             | 14,7491    |            |
|                              | Minimum                          |             | 22,7       |            |
|                              | Maximum                          |             | 84,4       |            |
|                              | Range                            |             | 61,7       |            |
|                              | Interquartile Range              |             | 19,9       |            |
|                              | Skewness                         |             | ,213       | ,225       |
|                              | Kurtosis                         |             | -,507      | ,446       |
| Pelvic stone angle (°)       | Mean                             |             | 42,387     | 1,0974     |
|                              | 95% Confidence Interval for Mean | Lower Bound | 40,213     |            |
|                              |                                  | Upper Bound | 44,561     |            |
|                              | 5% Trimmed Mean                  |             | 41,763     |            |
|                              | Median                           |             | 38,500     |            |
|                              | Variance                         |             | 139,700    |            |
|                              | Std. Deviation                   |             | 11,8195    |            |
|                              | Minimum                          |             | 24,7       |            |
|                              | Maximum                          |             | 72,4       |            |
|                              | Range                            |             | 47,7       |            |
|                              | Interquartile Range              |             | 16,7       |            |
|                              | Skewness                         |             | ,831       | ,225       |
|                              | Kurtosis                         |             | -,139      | ,446       |
| Maximum stone-edge angle (°) | Mean                             |             | 30,064     | ,8048      |
|                              | 95% Confidence Interval for Mean | Lower Bound | 28,470     |            |
|                              |                                  | Upper Bound | 31,658     |            |
|                              | 5% Trimmed Mean                  |             | 29,349     |            |
|                              | Median                           |             | 27,650     |            |

### Descriptives

|                          |                                  | Statistic   | Std. Error |
|--------------------------|----------------------------------|-------------|------------|
|                          | Variance                         | 75,134      |            |
|                          | Std. Deviation                   | 8,6680      |            |
|                          | Minimum                          | 17,7        |            |
|                          | Maximum                          | 58,5        |            |
|                          | Range                            | 40,8        |            |
|                          | Interquartile Range              | 7,0         |            |
|                          | Skewness                         | 1,289       | ,225       |
|                          | Kurtosis                         | 1,221       | ,446       |
| Infundibular length (mm) | Mean                             | 23,66       | ,364       |
|                          | 95% Confidence Interval for Mean | Lower Bound | 22,93      |
|                          |                                  | Upper Bound | 24,38      |
|                          | 5% Trimmed Mean                  | 23,61       |            |
|                          | Median                           | 24,00       |            |
|                          | Variance                         | 15,393      |            |
|                          | Std. Deviation                   | 3,923       |            |
|                          | Minimum                          | 14          |            |
|                          | Maximum                          | 34          |            |
|                          | Range                            | 20          |            |
|                          | Interquartile Range              | 5           |            |
|                          | Skewness                         | ,191        | ,225       |
|                          | Kurtosis                         | ,052        | ,446       |
|                          |                                  |             |            |
| Infundibular width (mm)  | Mean                             | 6,41        | ,141       |
|                          | 95% Confidence Interval for Mean | Lower Bound | 6,13       |
|                          |                                  | Upper Bound | 6,68       |
|                          | 5% Trimmed Mean                  | 6,35        |            |
|                          | Median                           | 6,00        |            |
|                          | Variance                         | 2,295       |            |
|                          | Std. Deviation                   | 1,515       |            |
|                          | Minimum                          | 4           |            |
|                          | Maximum                          | 10          |            |
|                          | Range                            | 6           |            |
|                          | Interquartile Range              | 2           |            |
|                          | Skewness                         | ,505        | ,225       |
|                          | Kurtosis                         | -,182       | ,446       |
|                          |                                  |             |            |
| Operation time (min)     | Mean                             | 78,23       | 2,143      |
|                          | 95% Confidence Interval for Mean | Lower Bound | 73,99      |
|                          |                                  | Upper Bound | 82,48      |
|                          | 5% Trimmed Mean                  | 77,67       |            |
|                          | Median                           | 70,00       |            |
|                          | Variance                         | 532,719     |            |
|                          | Std. Deviation                   | 23,081      |            |
|                          | Minimum                          | 40          |            |
|                          | Maximum                          | 120         |            |

### Descriptives

|  |                     | Statistic | Std. Error |
|--|---------------------|-----------|------------|
|  | Range               | 80        |            |
|  | Interquartile Range | 30        |            |
|  | Skewness            | ,619      | ,225       |
|  | Kurtosis            | -,822     | ,446       |

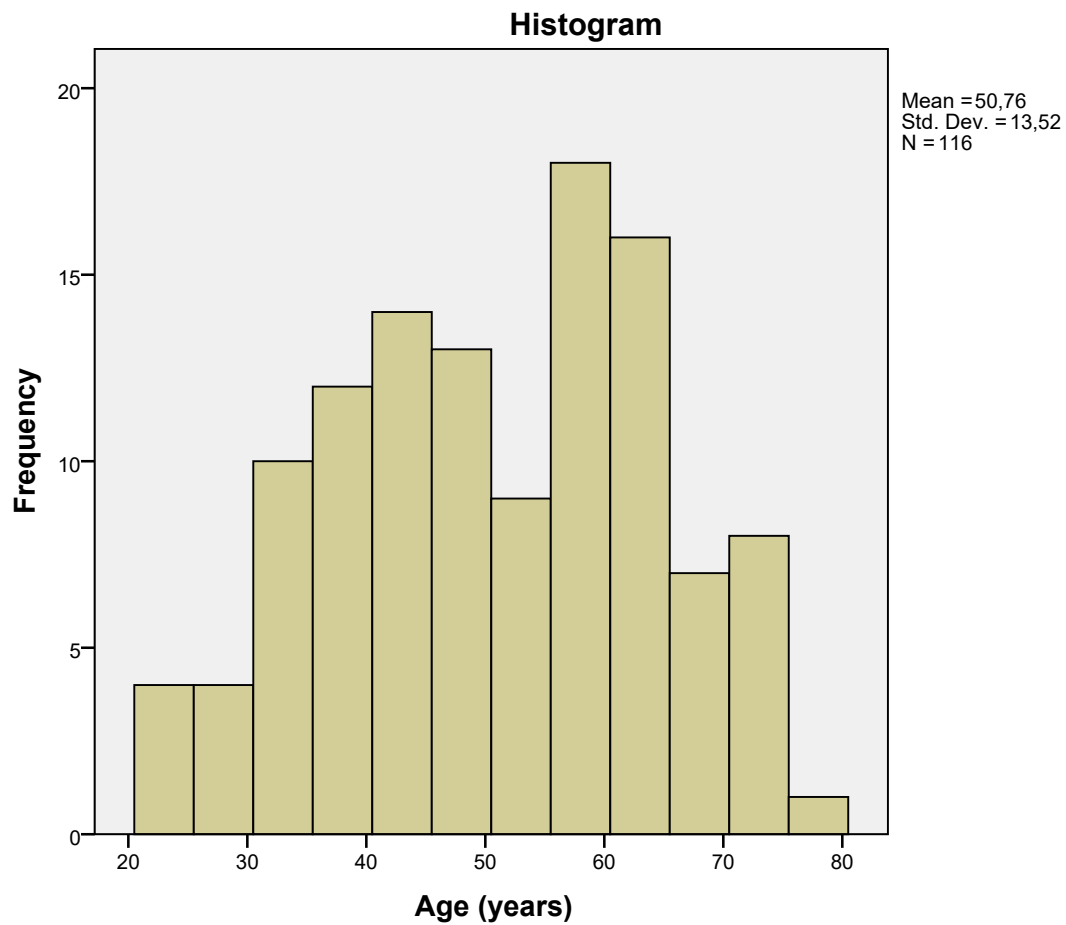
### Tests of Normality

|                                 | Kolmogorov-Smirnov <sup>a</sup> |     |                   | Shapiro-Wilk |     |      |
|---------------------------------|---------------------------------|-----|-------------------|--------------|-----|------|
|                                 | Statistic                       | df  | Sig.              | Statistic    | df  | Sig. |
| Age (years)                     | ,082                            | 116 | ,054              | ,978         | 116 | ,055 |
| Stone length (mm)               | ,107                            | 116 | ,002              | ,963         | 116 | ,003 |
| Stone width (mm)                | ,122                            | 116 | ,000              | ,979         | 116 | ,071 |
| Stone height (mm)               | ,120                            | 116 | ,000              | ,967         | 116 | ,006 |
| Stone volume (mm <sup>3</sup> ) | ,053                            | 116 | ,200 <sup>*</sup> | ,974         | 116 | ,025 |
| Stone density (HU)              | ,038                            | 116 | ,200 <sup>*</sup> | ,990         | 116 | ,528 |
| Elbahnasy angle (°)             | ,070                            | 116 | ,200 <sup>*</sup> | ,980         | 116 | ,079 |
| Pelvic stone angle (°)          | ,145                            | 116 | ,000              | ,919         | 116 | ,000 |
| Maximum stone-edge angle (°)    | ,176                            | 116 | ,000              | ,876         | 116 | ,000 |
| Infundibular length (mm)        | ,085                            | 116 | ,037              | ,986         | 116 | ,280 |
| Infundibular width (mm)         | ,166                            | 116 | ,000              | ,933         | 116 | ,000 |
| Operation time (min)            | ,174                            | 116 | ,000              | ,897         | 116 | ,000 |

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

a. Lilliefors Significance Correction

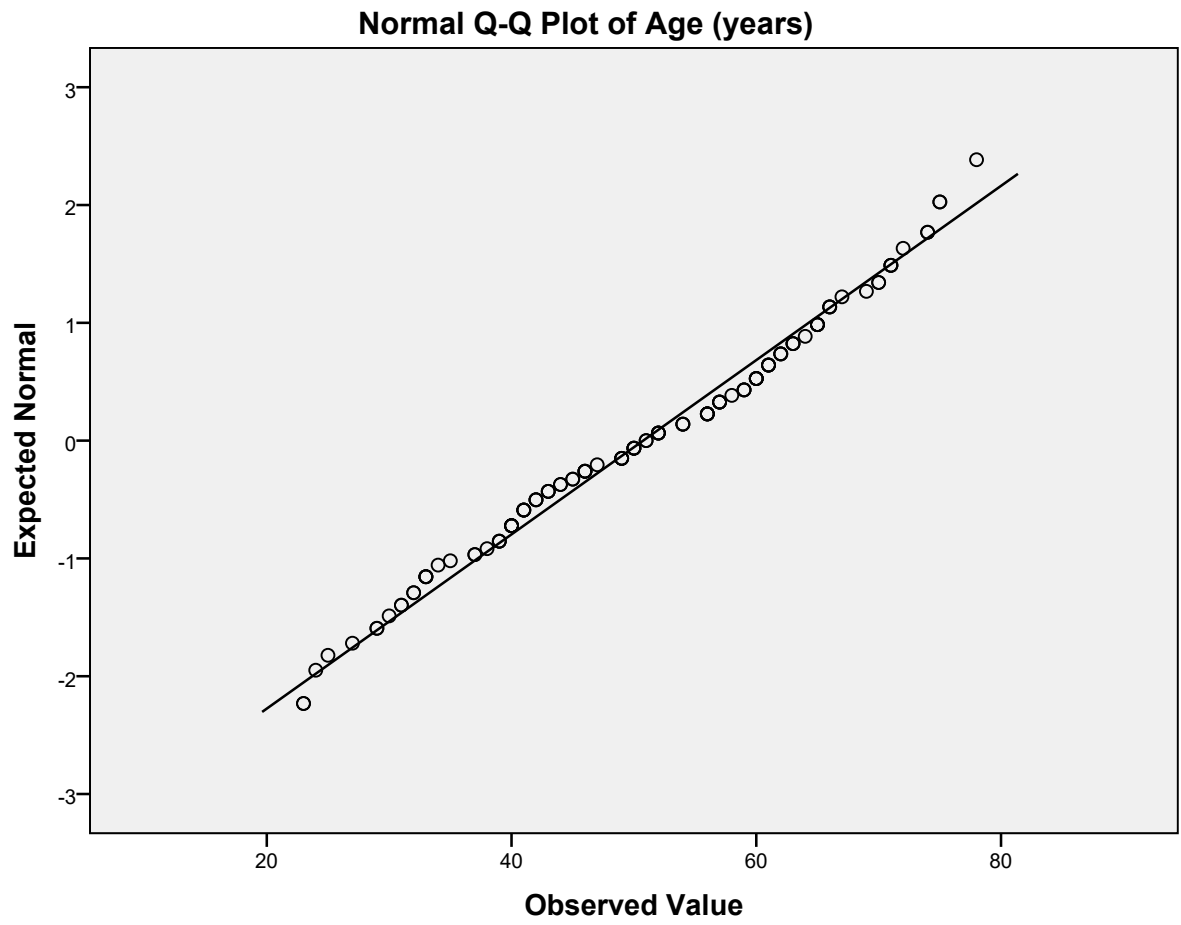
## Age (years)

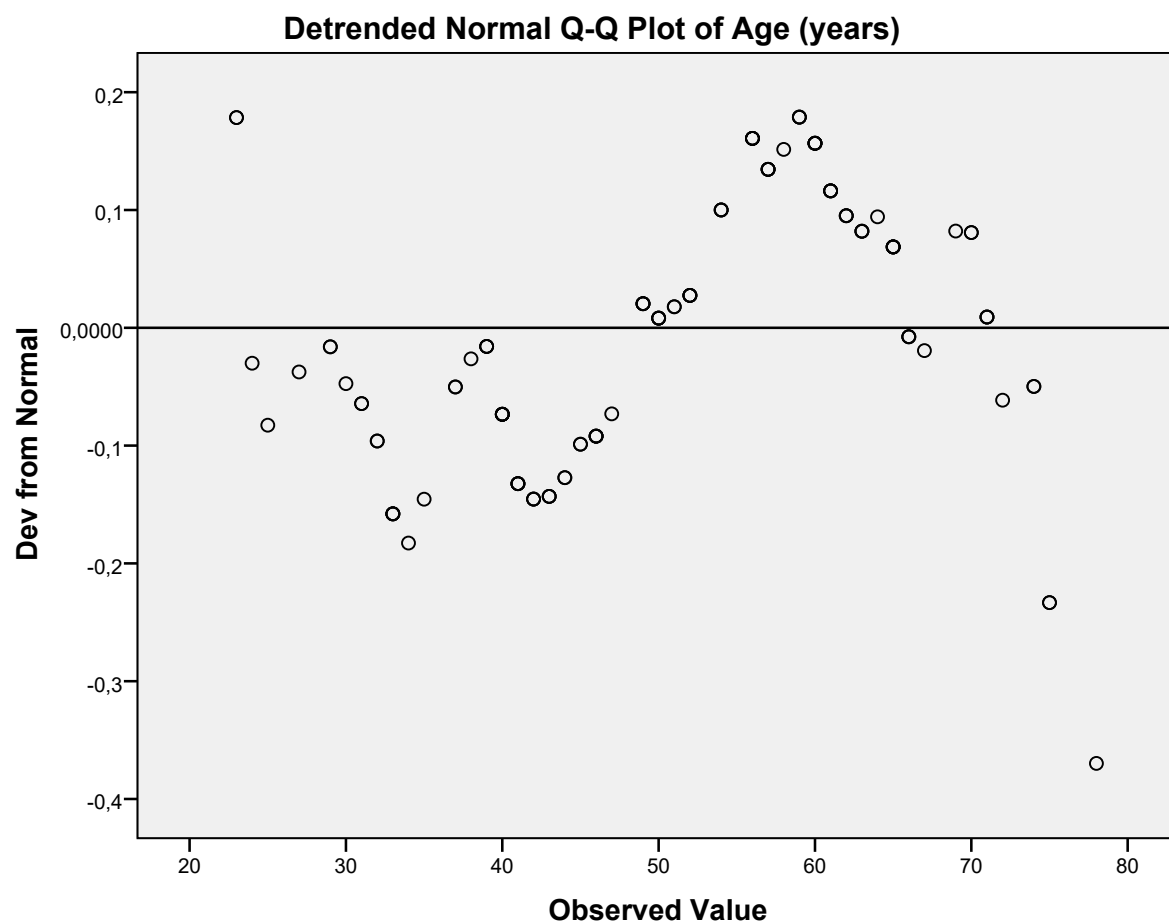


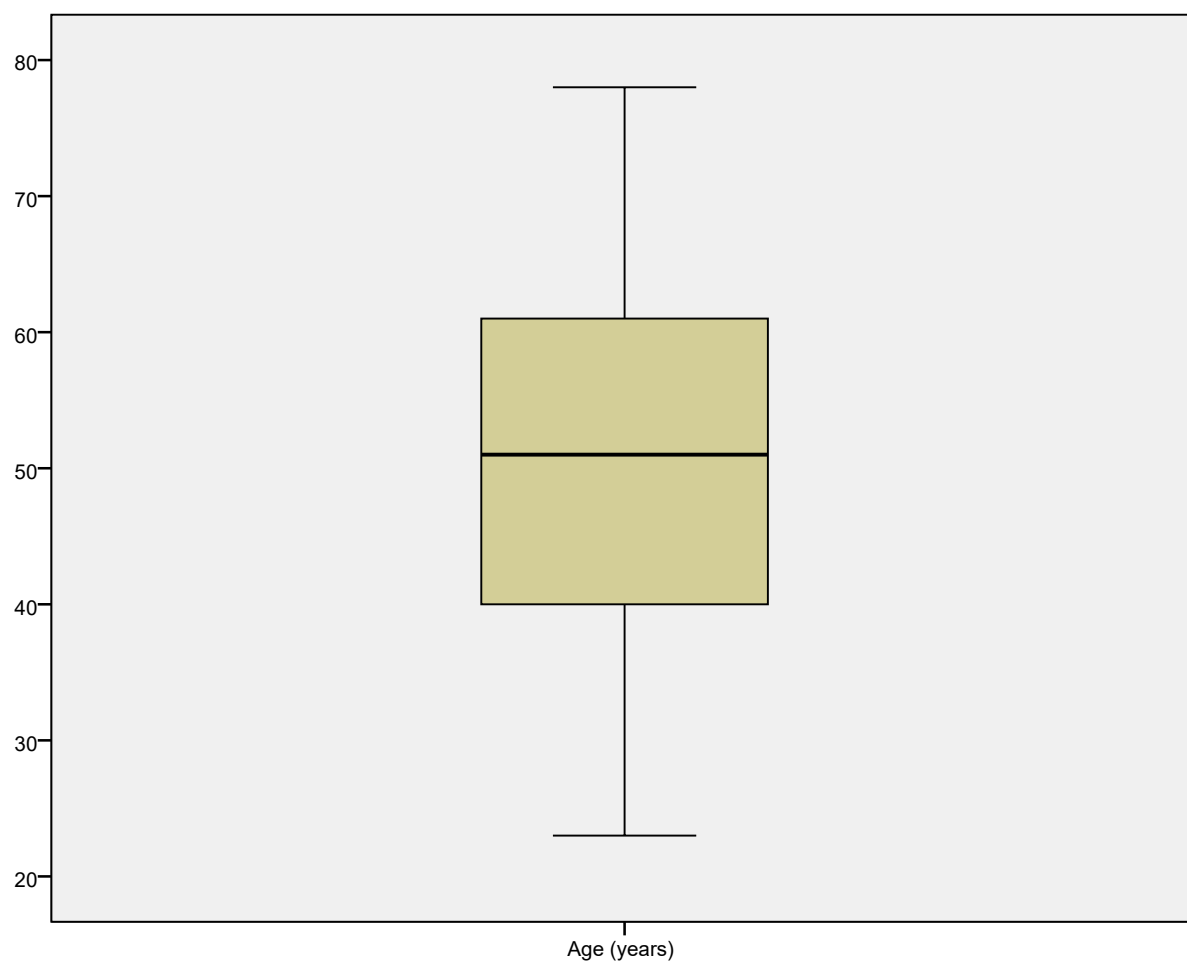
Age (years) Stem-and-Leaf Plot

| Frequency | Stem & | Leaf              |
|-----------|--------|-------------------|
| 3,00      | 2 .    | 334               |
| 4,00      | 2 .    | 5799              |
| 10,00     | 3 .    | 0112233334        |
| 7,00      | 3 .    | 5778999           |
| 18,00     | 4 .    | 00000111122233344 |
| 11,00     | 4 .    | 55666679999       |
| 13,00     | 5 .    | 0000112222444     |
| 13,00     | 5 .    | 6666677778999     |
| 16,00     | 6 .    | 0000011112223334  |
| 10,00     | 6 .    | 5555566679        |
| 8,00      | 7 .    | 00111244          |
| 3,00      | 7 .    | 558               |

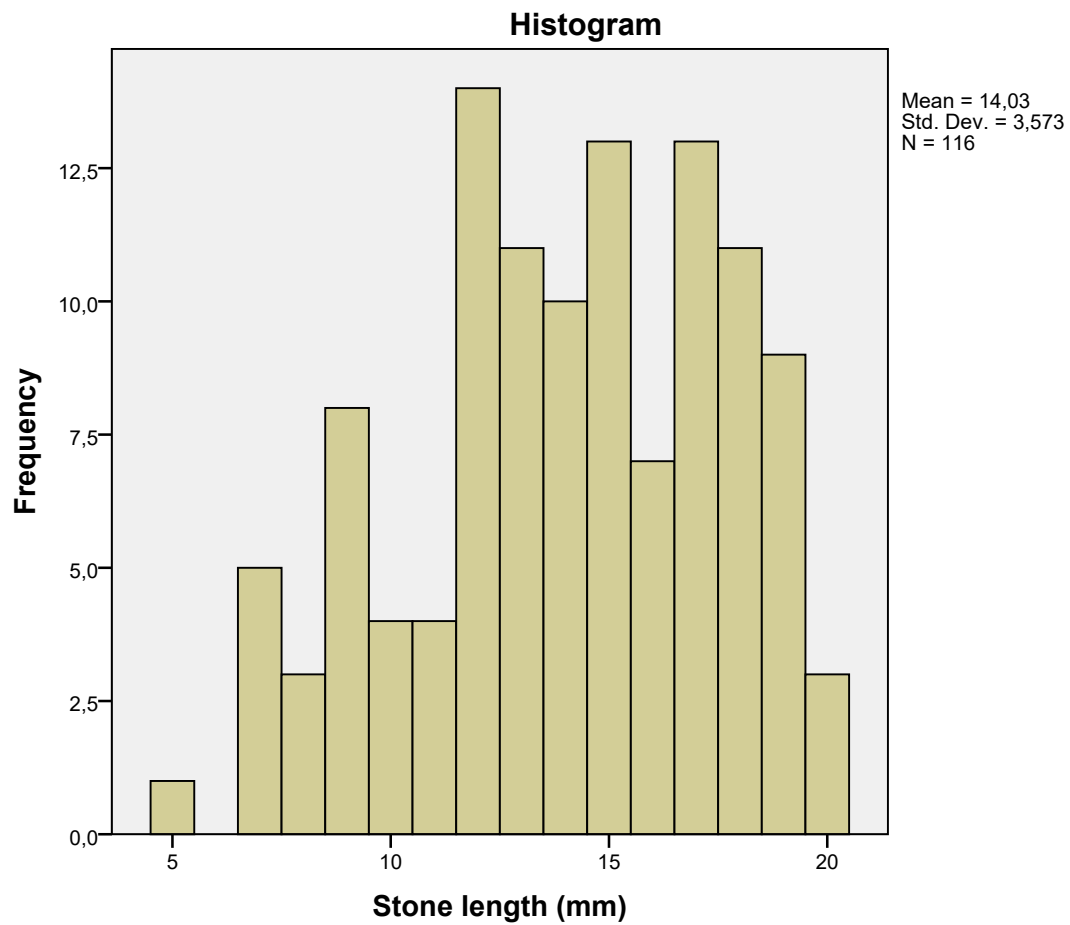
Stem width: 10  
Each leaf: 1 case(s)







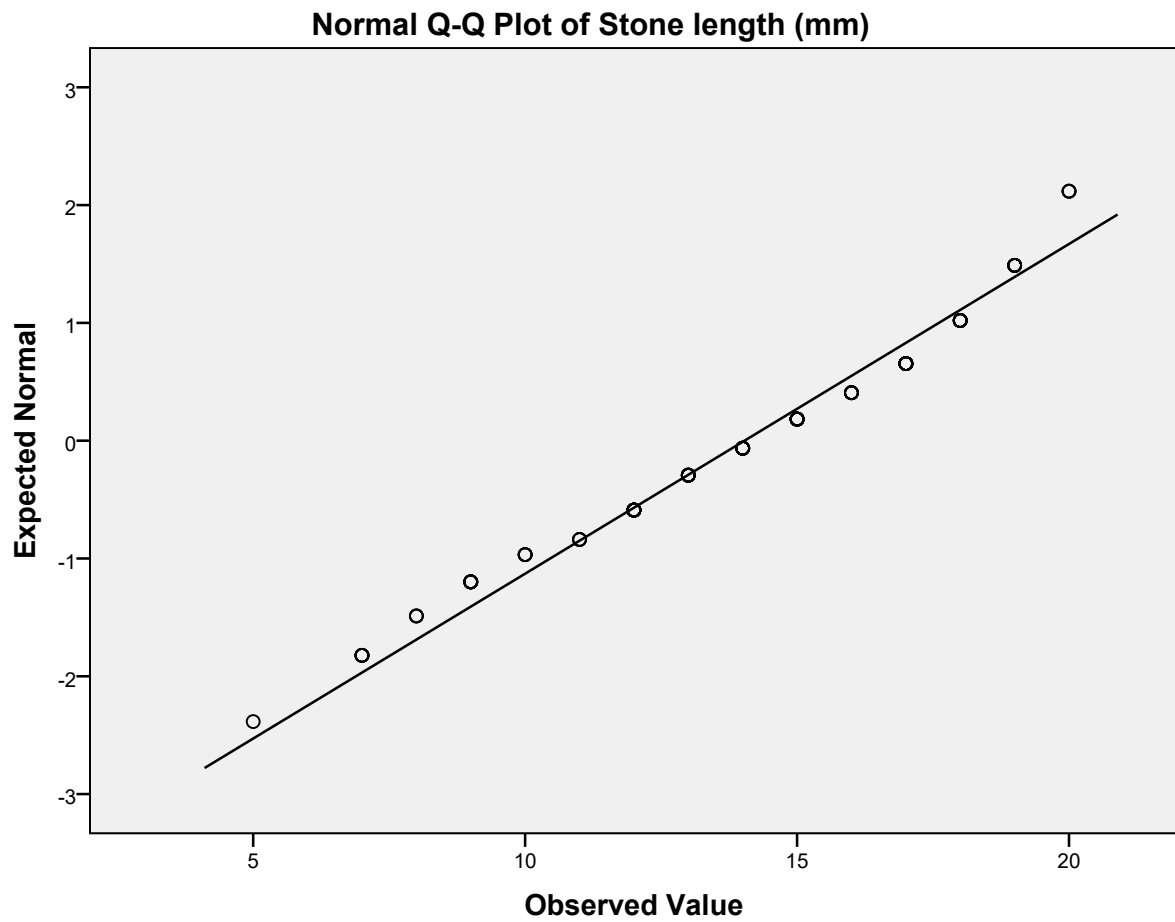
**Stone length (mm)**

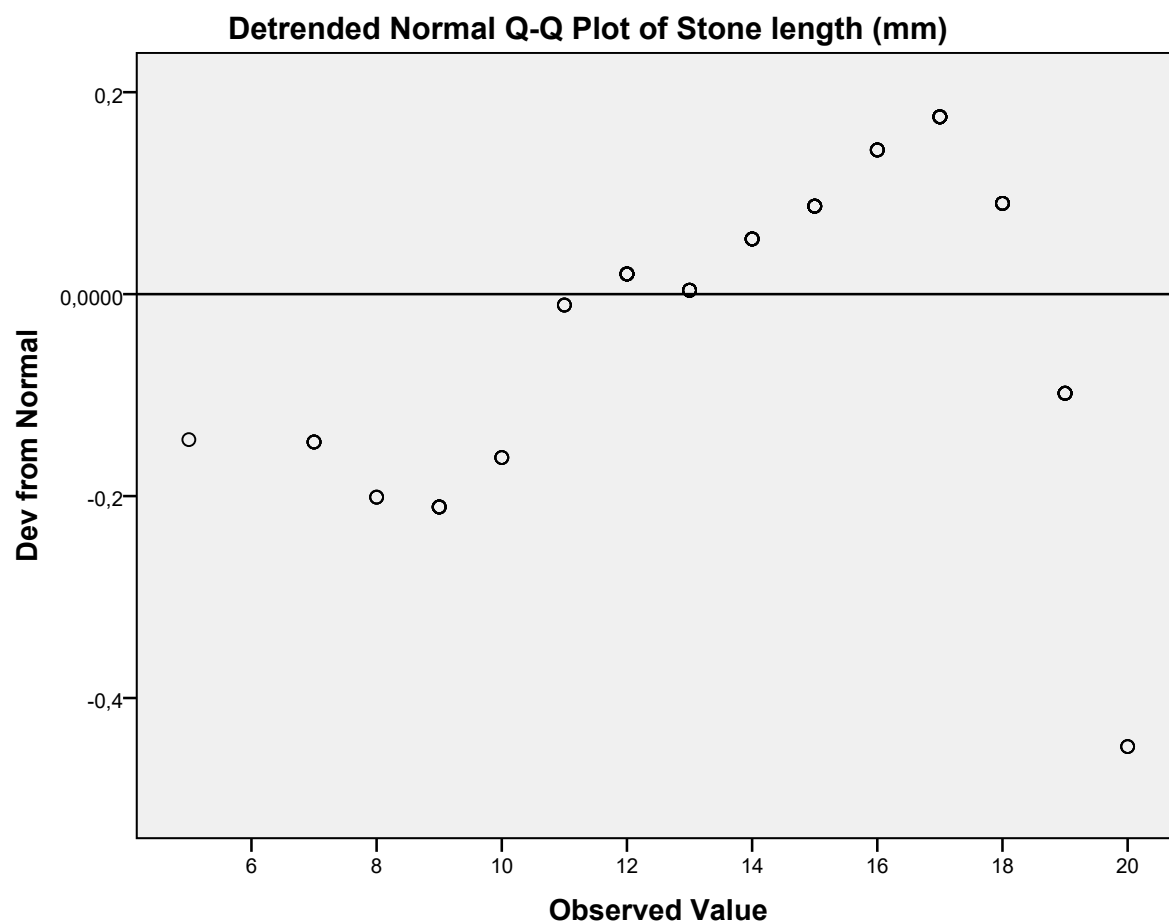


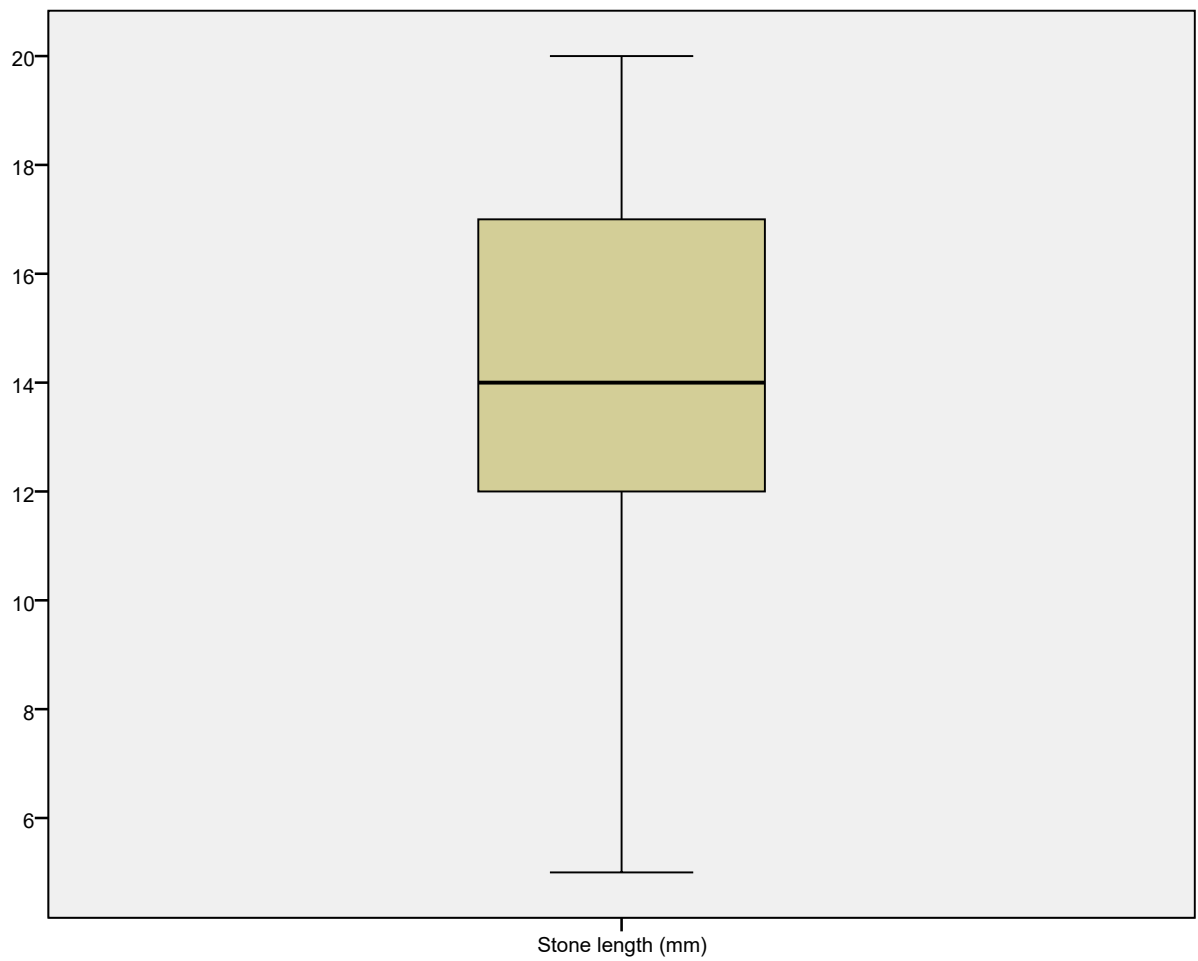
Stone length (mm) Stem-and-Leaf Plot

| Frequency | Stem & | Leaf             |
|-----------|--------|------------------|
| 1,00      | 5 .    | 0                |
| ,00       | 6 .    |                  |
| 5,00      | 7 .    | 00000            |
| 3,00      | 8 .    | 000              |
| 8,00      | 9 .    | 00000000         |
| 4,00      | 10 .   | 0000             |
| 4,00      | 11 .   | 0000             |
| 14,00     | 12 .   | 0000000000000000 |
| 11,00     | 13 .   | 00000000000      |
| 10,00     | 14 .   | 0000000000       |
| 13,00     | 15 .   | 00000000000000   |
| 7,00      | 16 .   | 0000000          |
| 13,00     | 17 .   | 00000000000000   |
| 11,00     | 18 .   | 00000000000      |
| 9,00      | 19 .   | 000000000        |
| 3,00      | 20 .   | 000              |

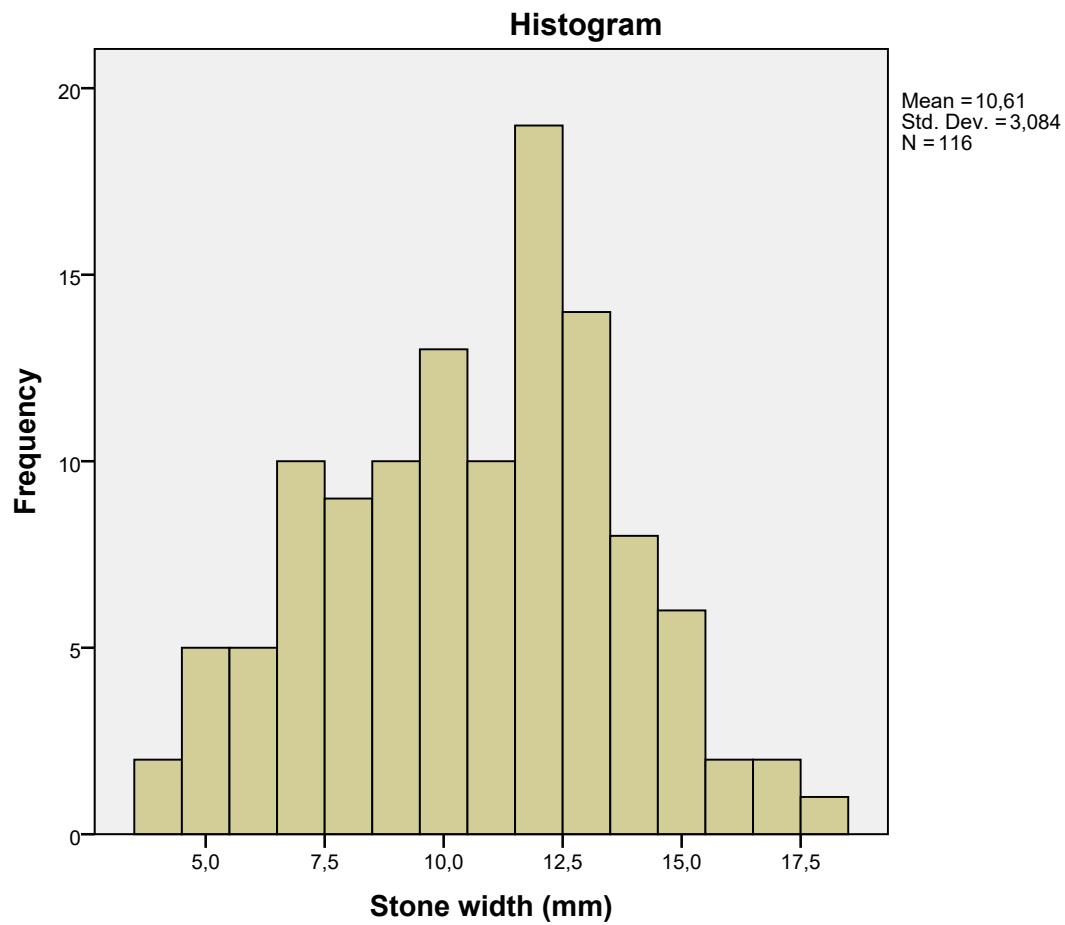
Stem width: 1  
Each leaf: 1 case(s)







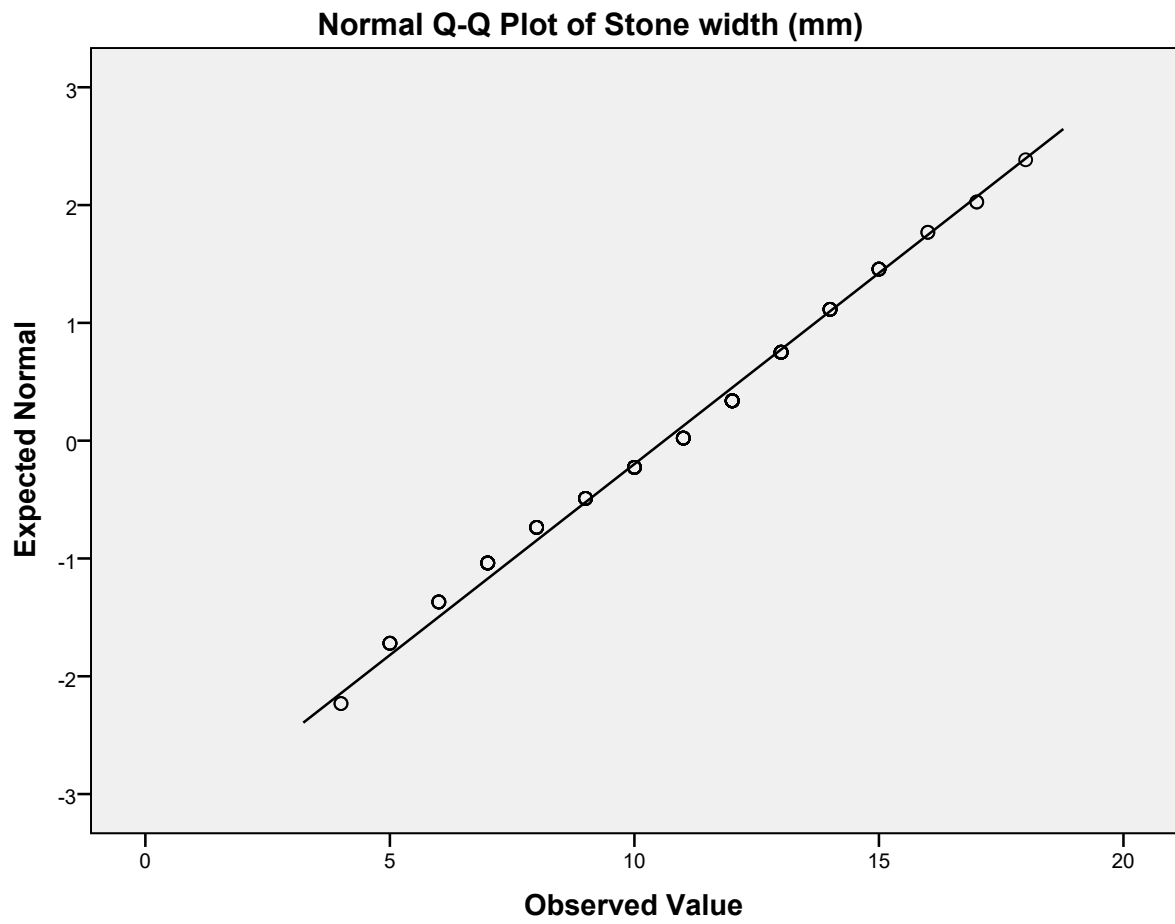
**Stone width (mm)**



Stone width (mm) Stem-and-Leaf Plot

| Frequency | Stem & | Leaf               |
|-----------|--------|--------------------|
| 2,00      | 4 .    | 00                 |
| 5,00      | 5 .    | 00000              |
| 5,00      | 6 .    | 00000              |
| 10,00     | 7 .    | 0000000000         |
| 9,00      | 8 .    | 000000000          |
| 10,00     | 9 .    | 0000000000         |
| 13,00     | 10 .   | 0000000000000      |
| 10,00     | 11 .   | 0000000000         |
| 19,00     | 12 .   | 000000000000000000 |
| 14,00     | 13 .   | 00000000000000     |
| 8,00      | 14 .   | 00000000           |
| 6,00      | 15 .   | 000000             |
| 2,00      | 16 .   | 00                 |
| 2,00      | 17 .   | 00                 |
| 1,00      | 18 .   | 0                  |

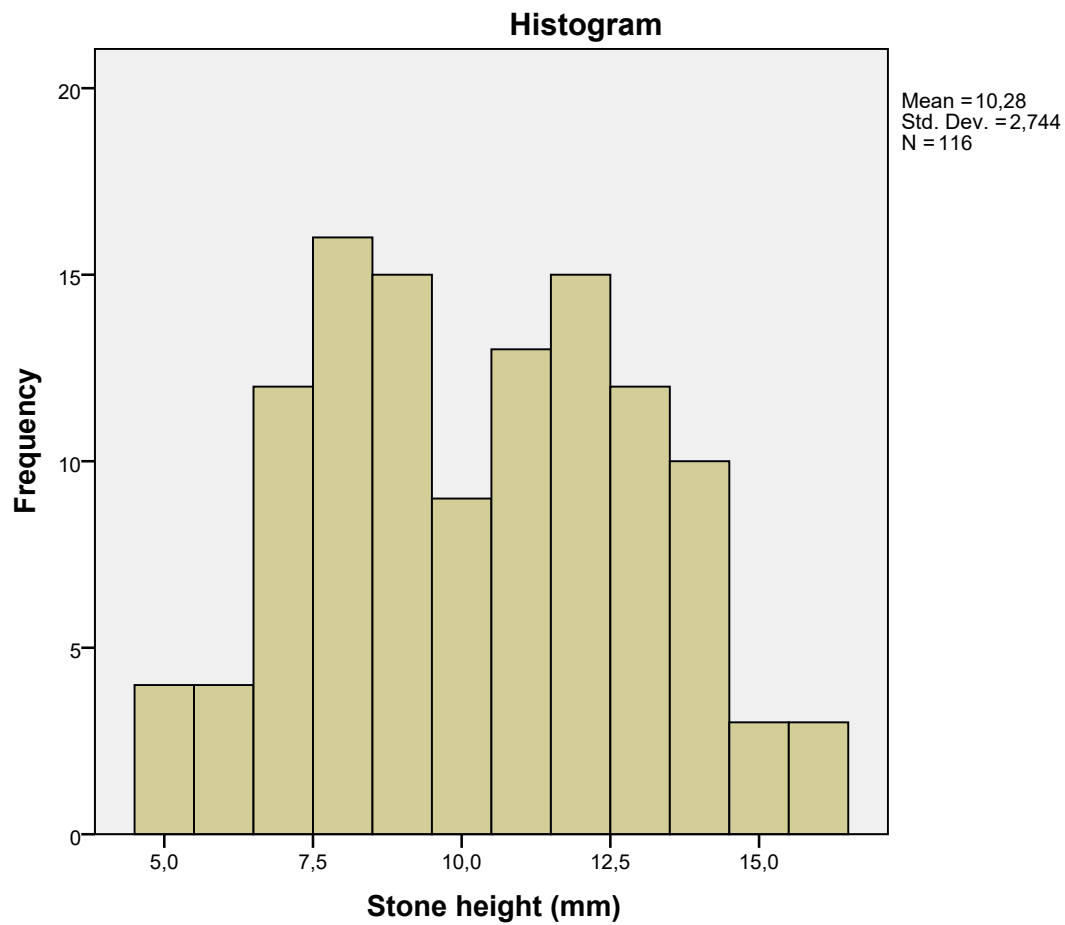
Stem width: 1  
Each leaf: 1 case(s)







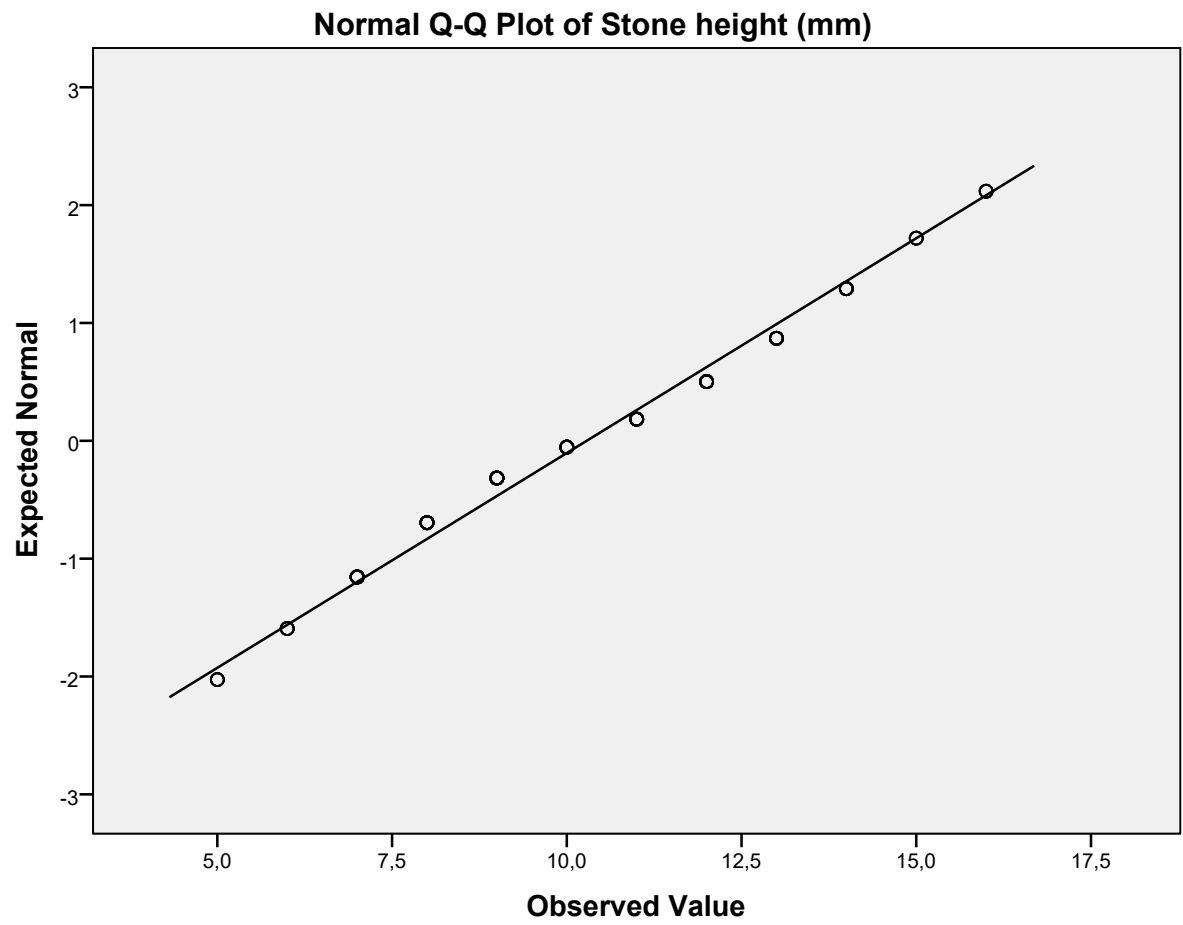
**Stone height (mm)**

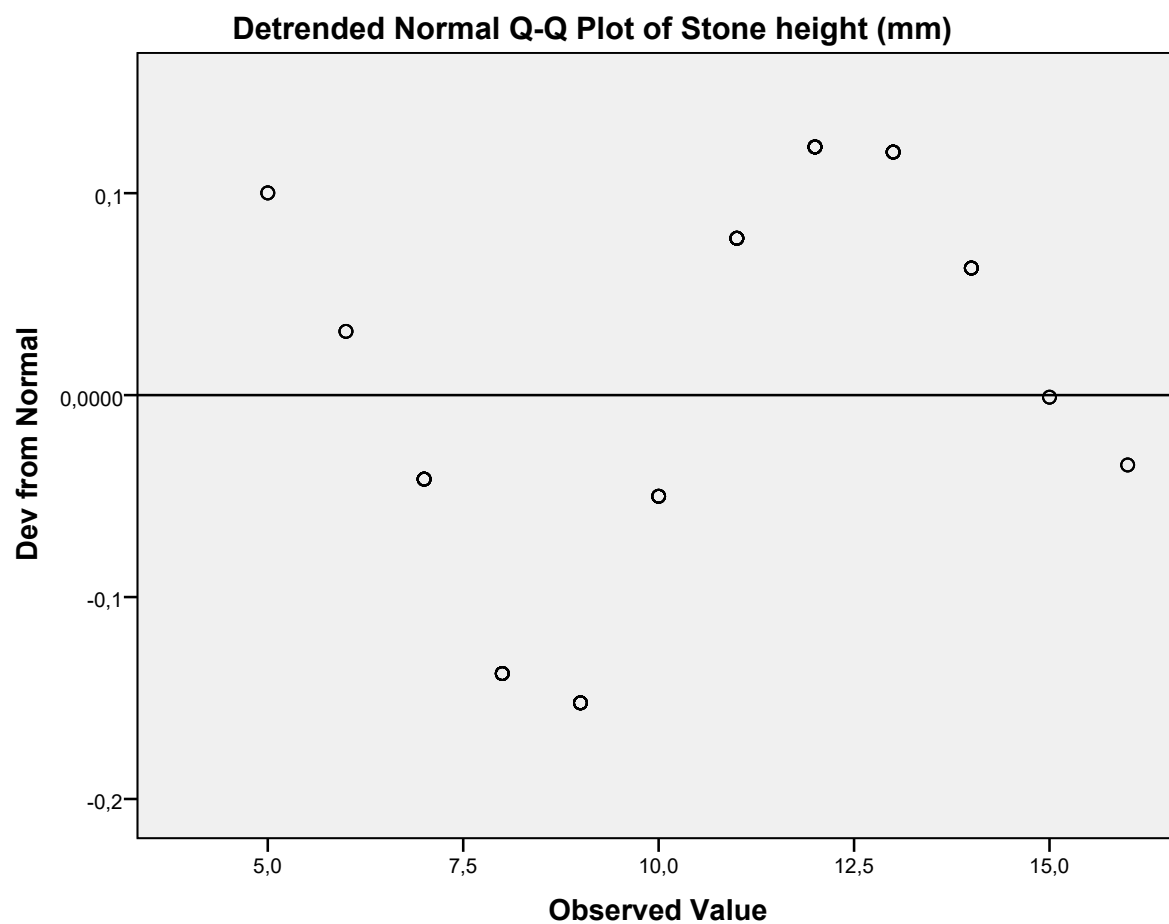


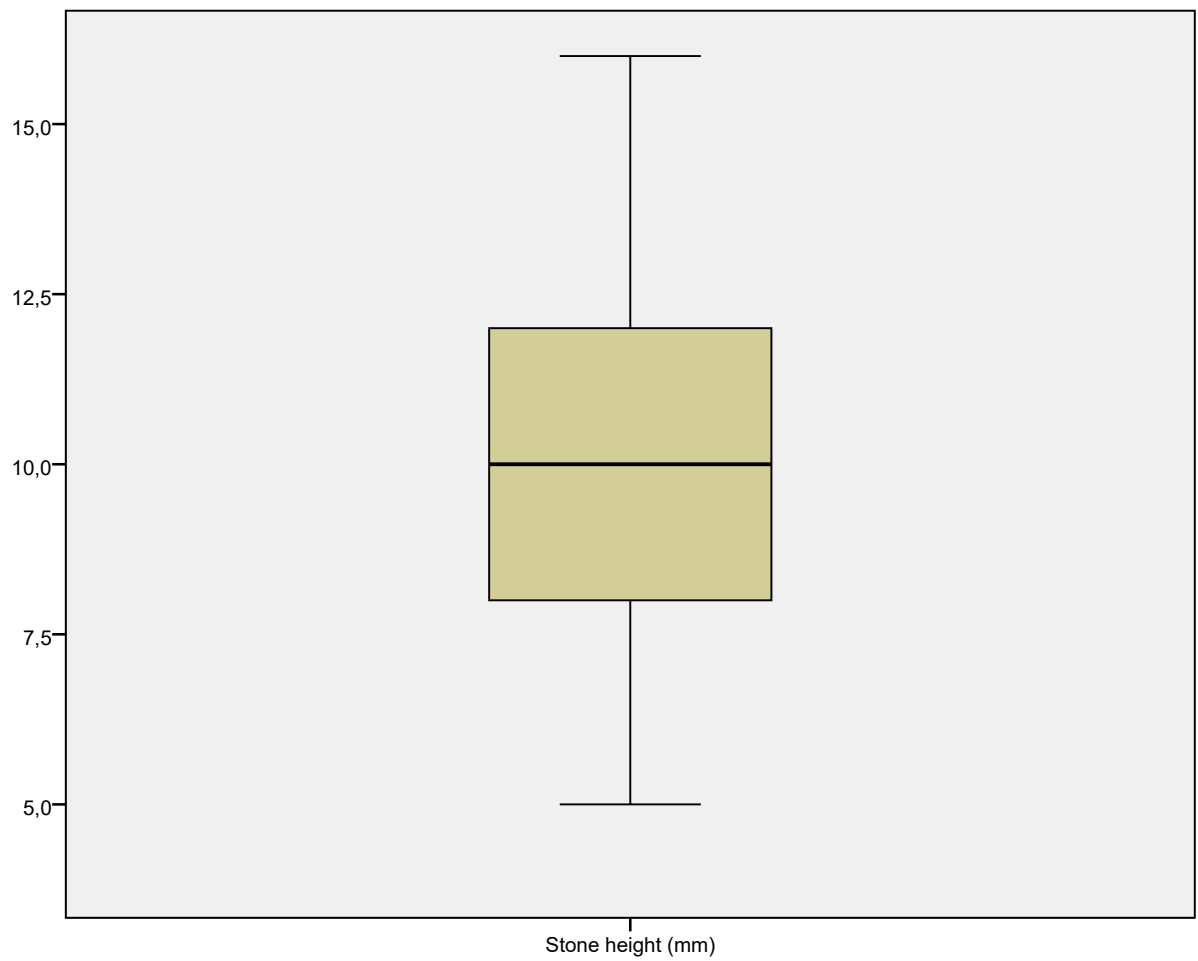
Stone height (mm) Stem-and-Leaf Plot

| Frequency | Stem & | Leaf             |
|-----------|--------|------------------|
| 4,00      | 5 .    | 0000             |
| 4,00      | 6 .    | 0000             |
| 12,00     | 7 .    | 000000000000     |
| 16,00     | 8 .    | 0000000000000000 |
| 15,00     | 9 .    | 0000000000000000 |
| 9,00      | 10 .   | 000000000        |
| 13,00     | 11 .   | 0000000000000    |
| 15,00     | 12 .   | 0000000000000000 |
| 12,00     | 13 .   | 000000000000     |
| 10,00     | 14 .   | 0000000000       |
| 3,00      | 15 .   | 000              |
| 3,00      | 16 .   | 000              |

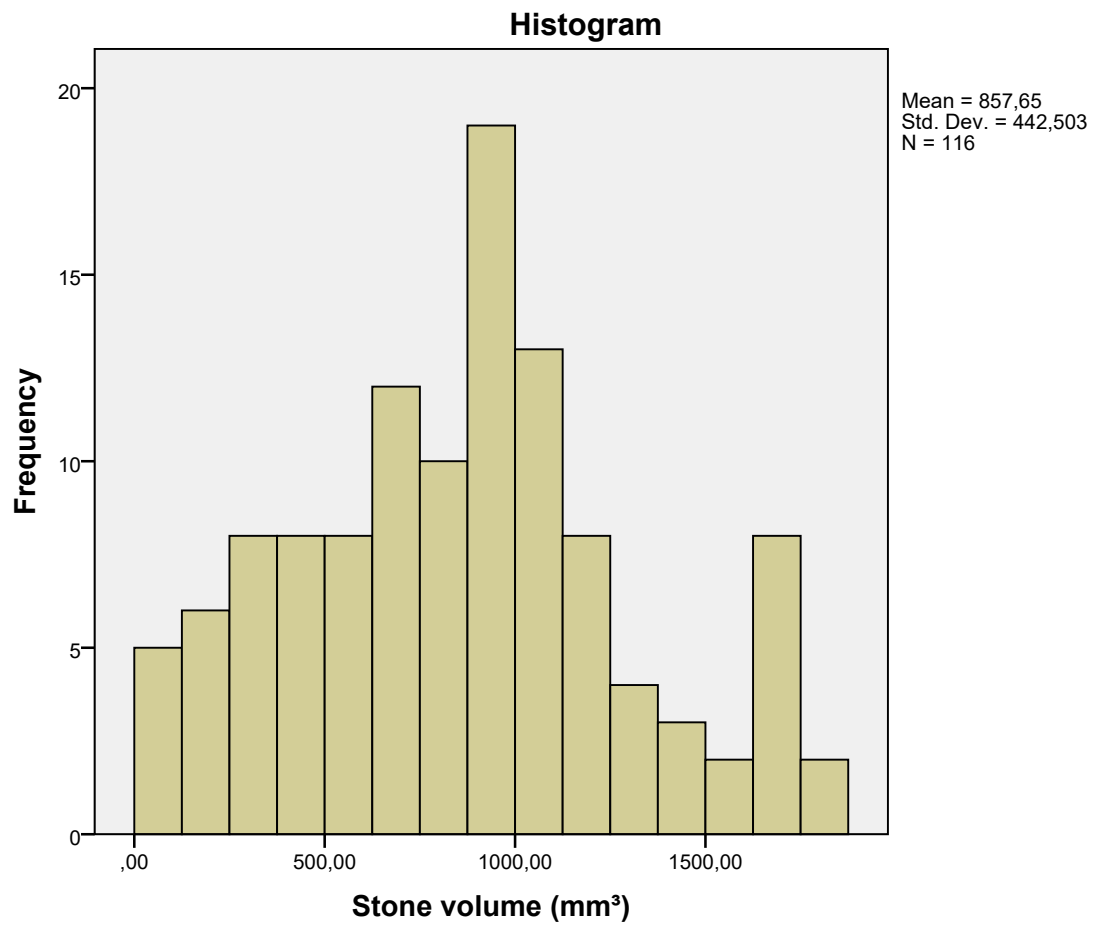
Stem width: 1  
Each leaf: 1 case(s)







**Stone volume (mm³)**

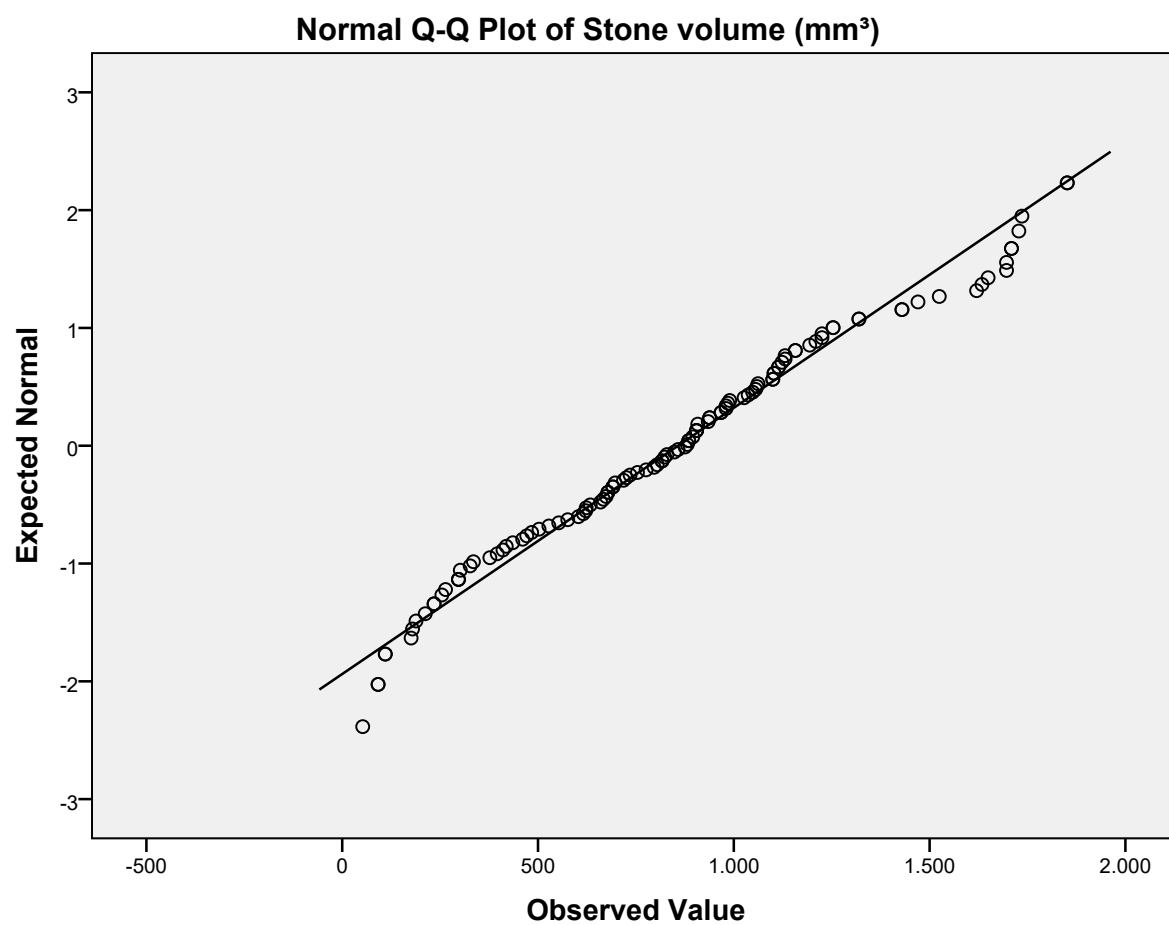


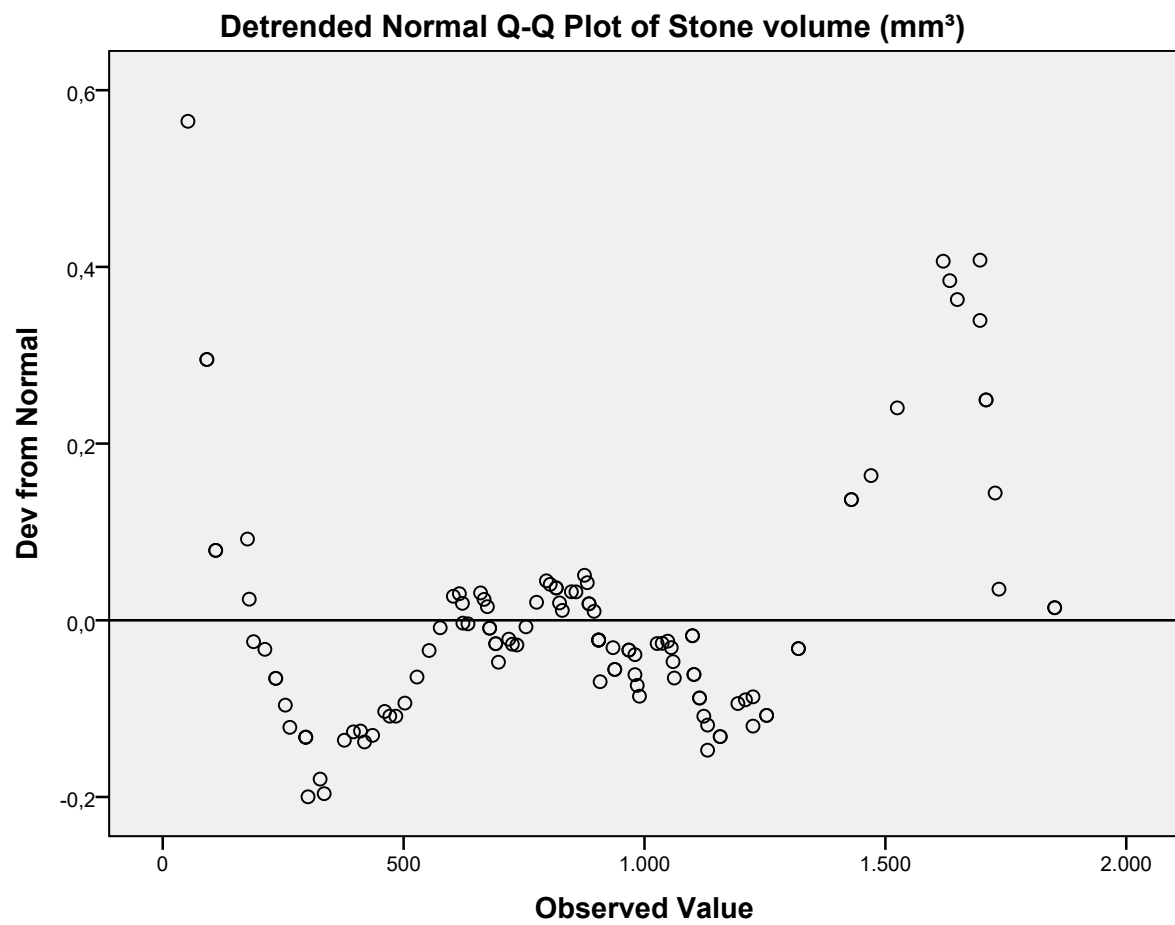
Stone volume (mm³) Stem-and-Leaf Plot

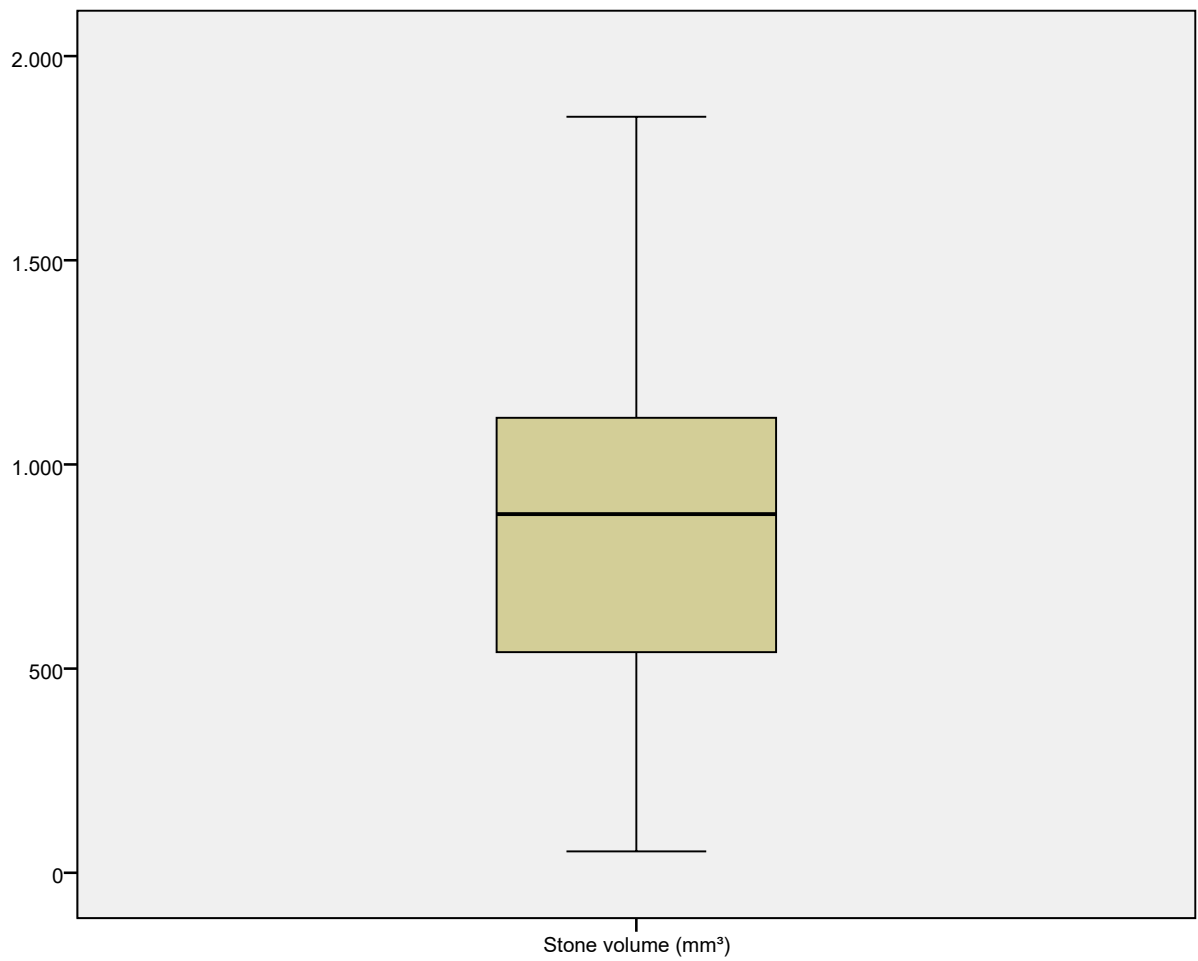
| Frequency | Stem & | Leaf           |
|-----------|--------|----------------|
| 3,00      | 0 .    | 599            |
| 5,00      | 1 .    | 00778          |
| 8,00      | 2 .    | 13356999       |
| 5,00      | 3 .    | 02379          |
| 6,00      | 4 .    | 113678         |
| 4,00      | 5 .    | 0257           |
| 13,00     | 6 .    | 0122356777999  |
| 6,00      | 7 .    | 123579         |
| 12,00     | 8 .    | 011224578889   |
| 14,00     | 9 .    | 00000333668888 |
| 8,00      | 10 .   | 23455699       |
| 10,00     | 11 .   | 0011233559     |
| 5,00      | 12 .   | 02255          |
| 2,00      | 13 .   | 11             |
| 3,00      | 14 .   | 227            |
| 1,00      | 15 .   | 2              |

|      |      |       |
|------|------|-------|
| 5,00 | 16 . | 23499 |
| 4,00 | 17 . | 0023  |
| 2,00 | 18 . | 55    |

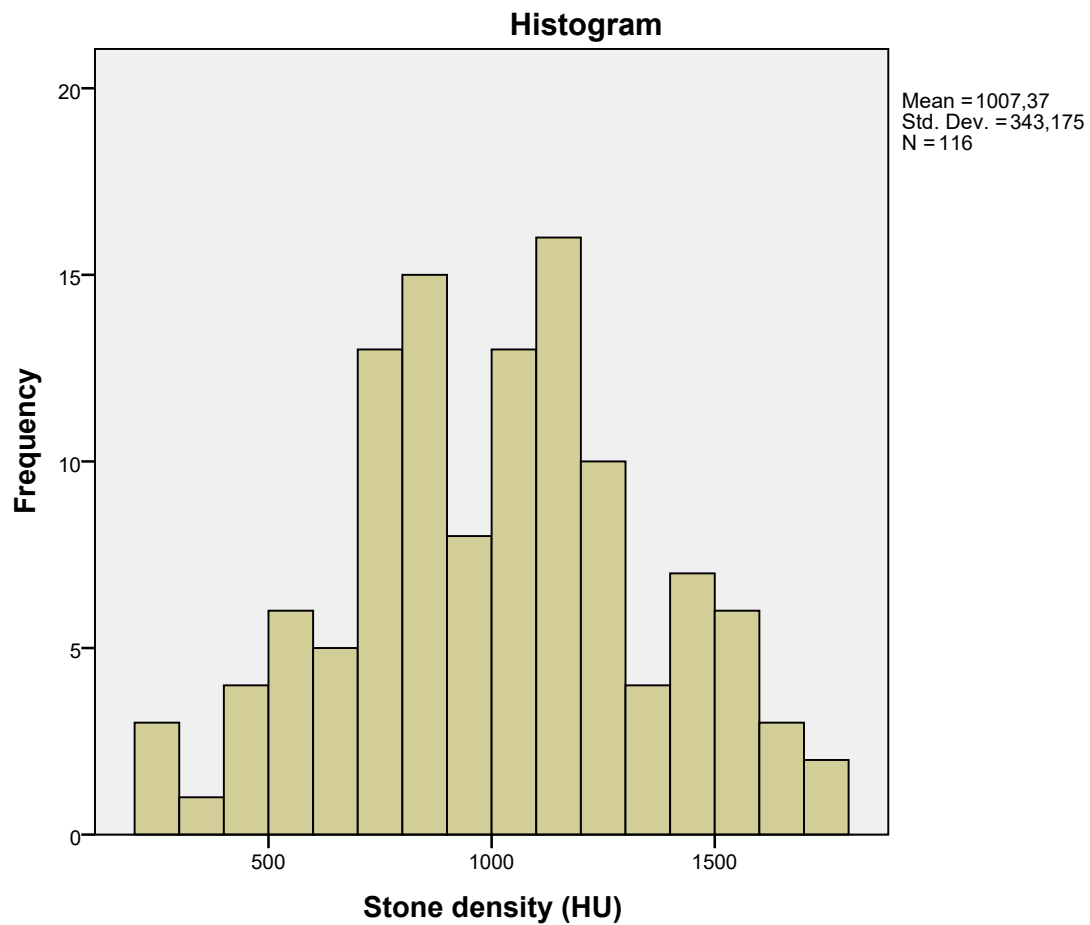
Stem width: 100,00  
Each leaf: 1 case(s)







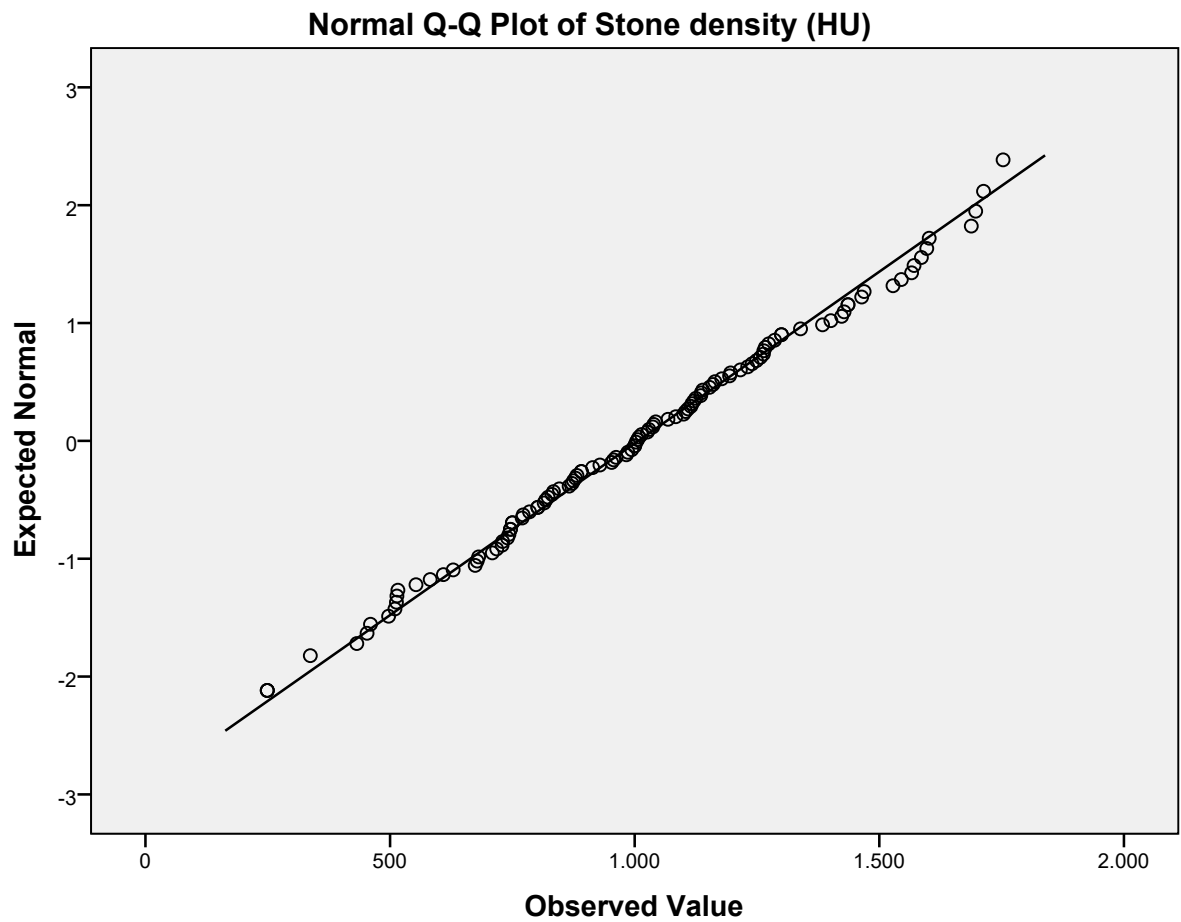
**Stone density (HU)**

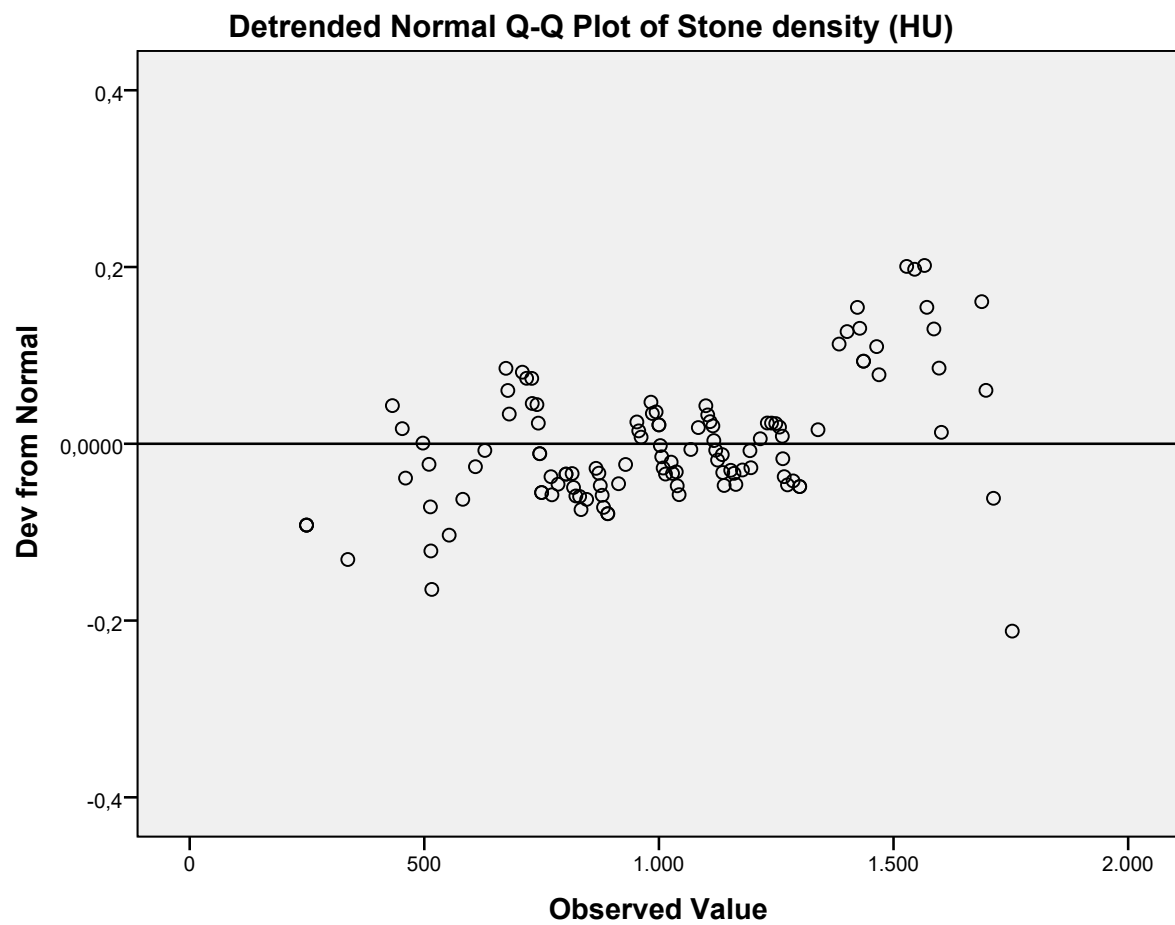


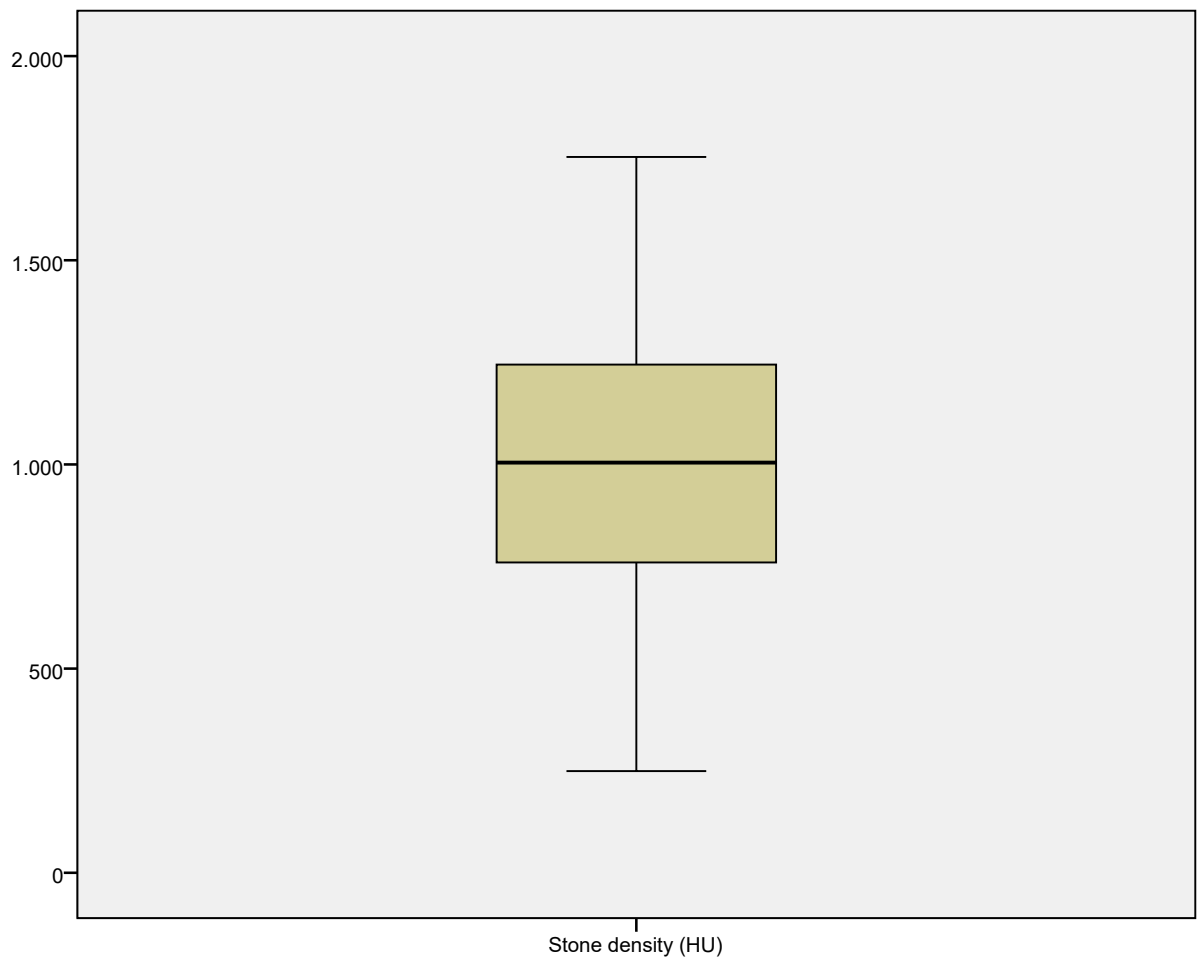
Stone density (HU) Stem-and-Leaf Plot

| Frequency | Stem & | Leaf             |
|-----------|--------|------------------|
| 3,00      | 2 .    | 444              |
| 1,00      | 3 .    | 3                |
| 4,00      | 4 .    | 3569             |
| 6,00      | 5 .    | 111158           |
| 5,00      | 6 .    | 02778            |
| 13,00     | 7 .    | 0123444455778    |
| 15,00     | 8 .    | 001123346777899  |
| 8,00      | 9 .    | 12556889         |
| 13,00     | 10 .   | 0000012233468    |
| 16,00     | 11 .   | 0001122333566799 |
| 10,00     | 12 .   | 1344566678       |
| 4,00      | 13 .   | 0038             |
| 7,00      | 14 .   | 0223366          |
| 6,00      | 15 .   | 246789           |
| 3,00      | 16 .   | 089              |
| 2,00      | 17 .   | 15               |

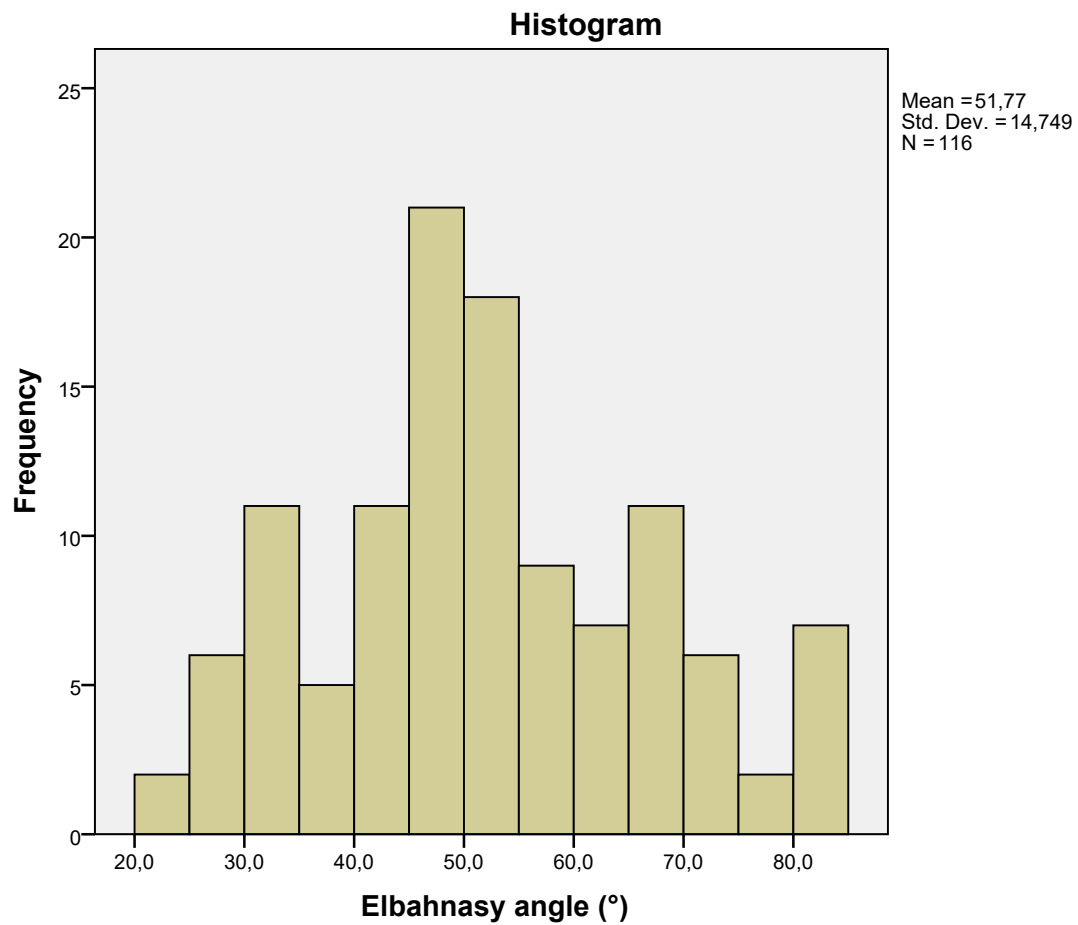
Stem width: 100  
Each leaf: 1 case(s)







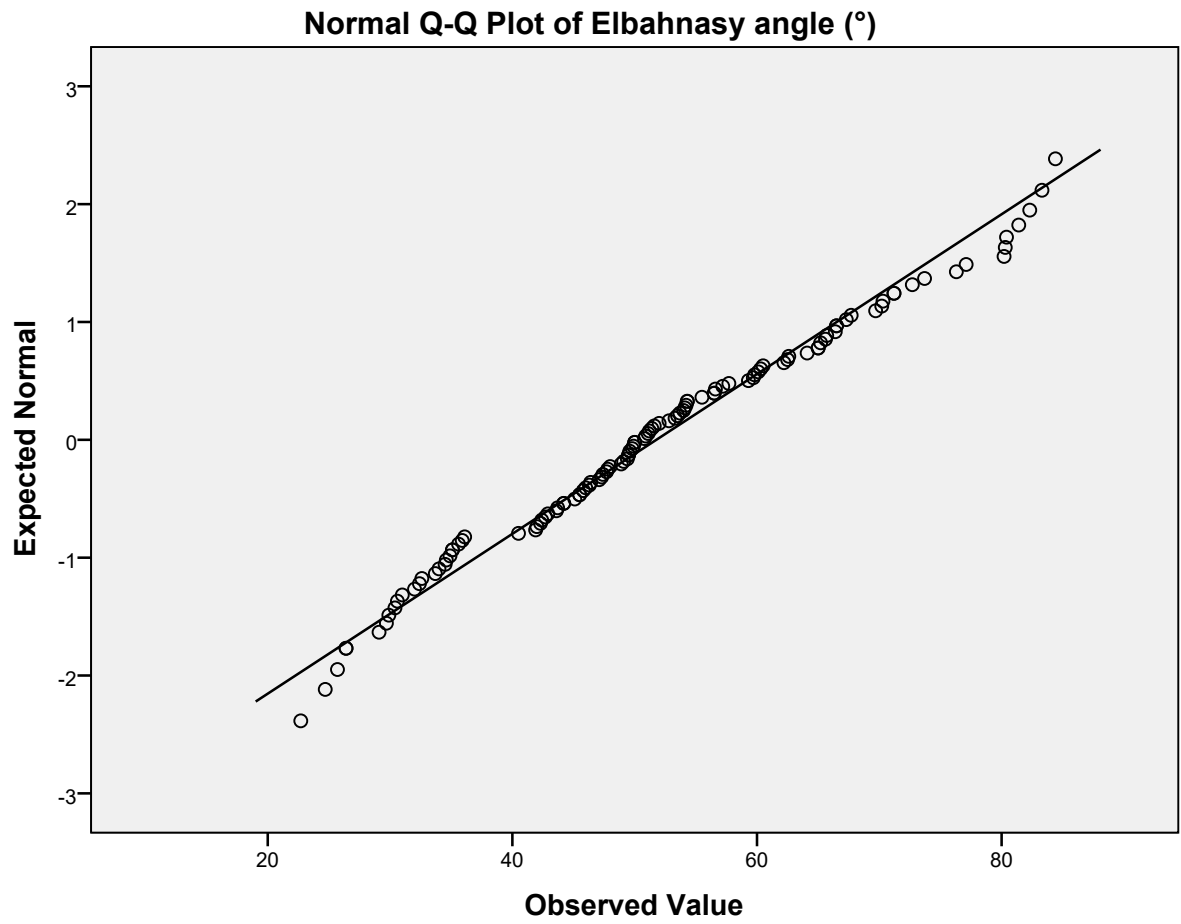
**Elbahnasy angle (°)**

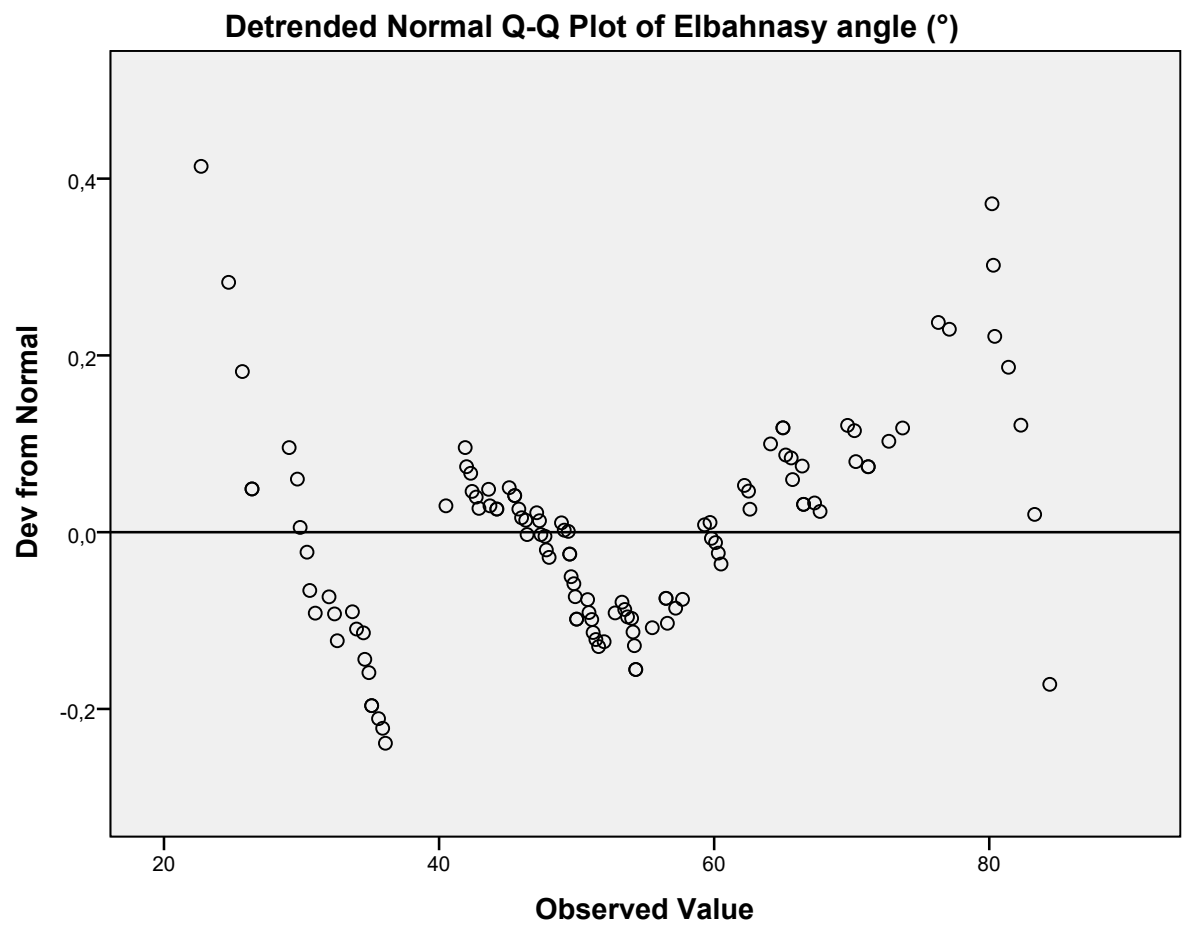


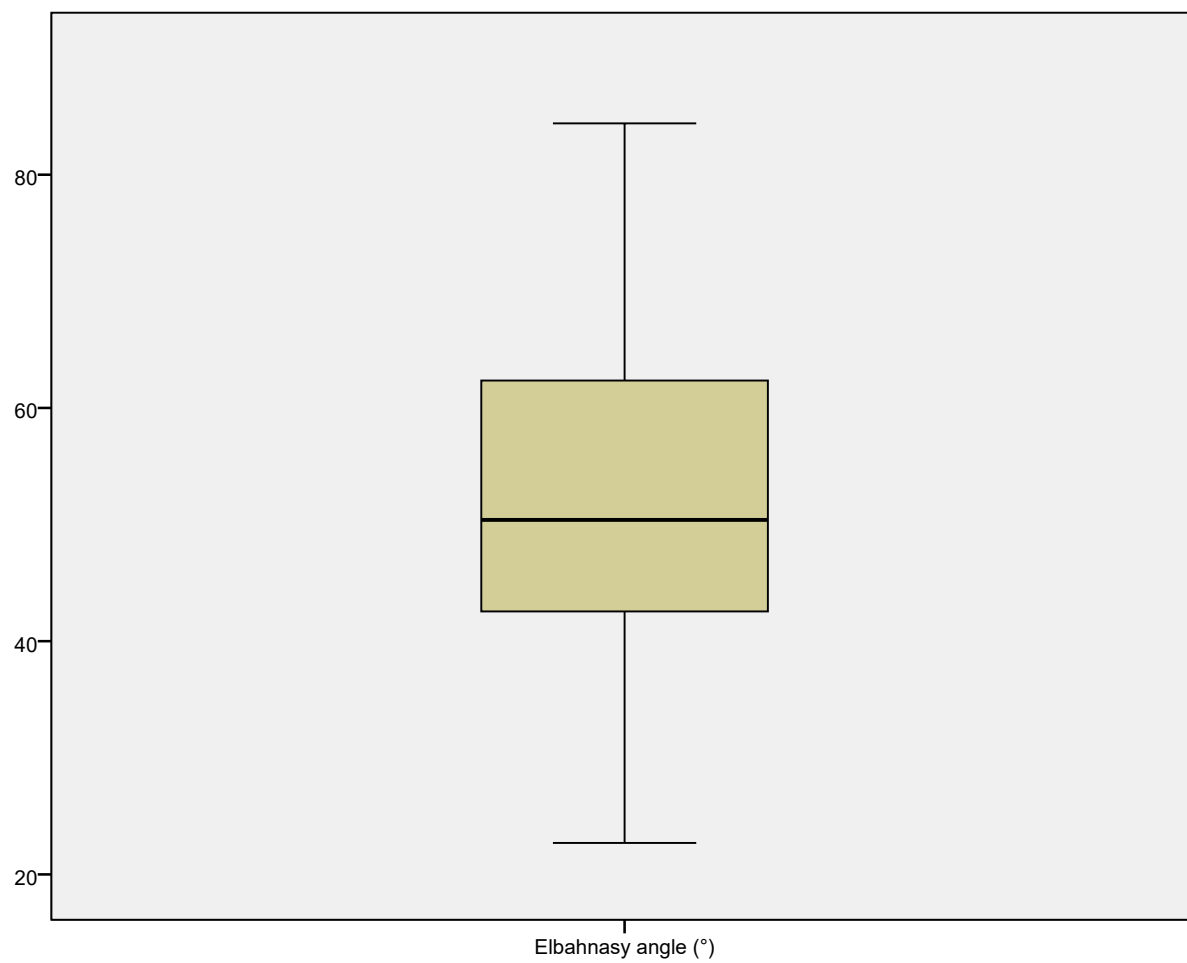
Elbahnasy angle (°) Stem-and-Leaf Plot

| Frequency | Stem & | Leaf                    |
|-----------|--------|-------------------------|
| 2,00      | 2 .    | 24                      |
| 6,00      | 2 .    | 566999                  |
| 11,00     | 3 .    | 00122234444             |
| 5,00      | 3 .    | 55556                   |
| 11,00     | 4 .    | 01222223344             |
| 21,00     | 4 .    | 55556667777778899999999 |
| 18,00     | 5 .    | 000011112233344444      |
| 9,00      | 5 .    | 566677999               |
| 7,00      | 6 .    | 0002224                 |
| 11,00     | 6 .    | 55555666779             |
| 6,00      | 7 .    | 001123                  |
| 2,00      | 7 .    | 67                      |
| 7,00      | 8 .    | 0001234                 |

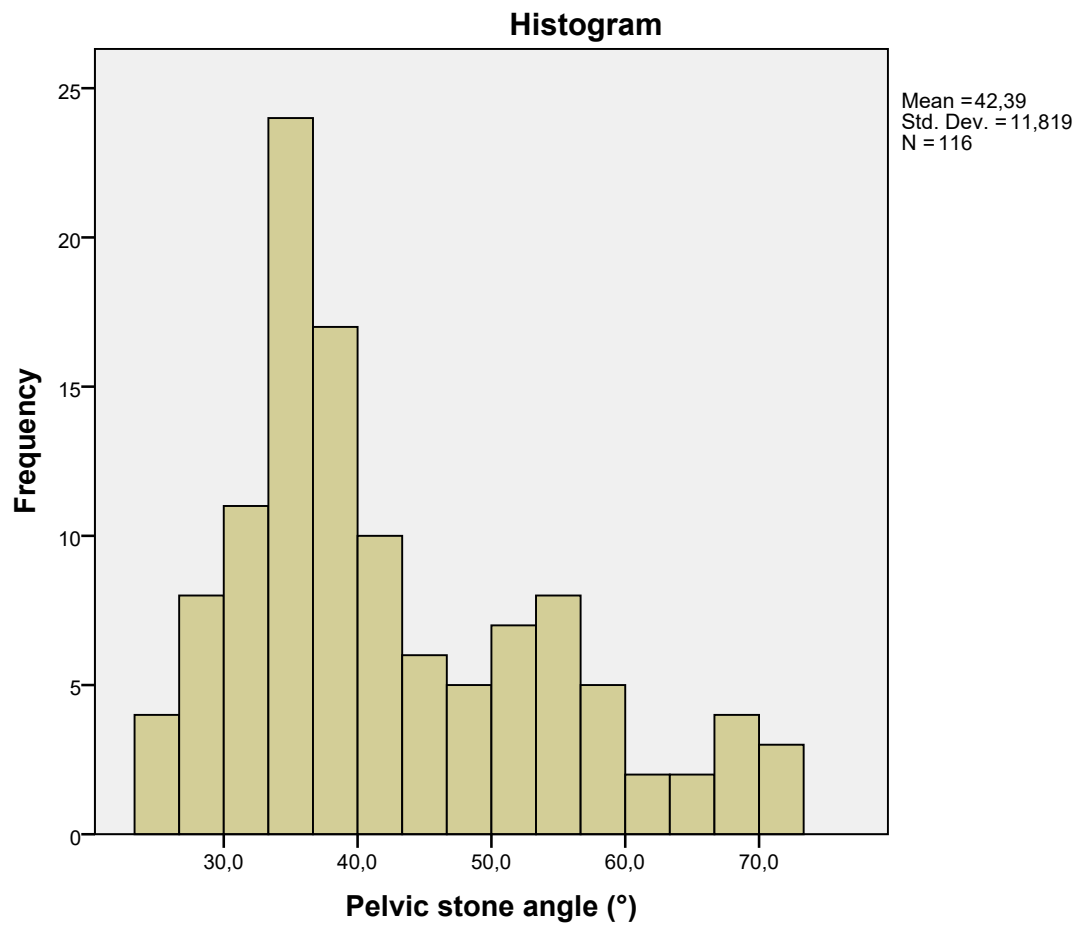
Stem width: 10,0  
Each leaf: 1 case(s)







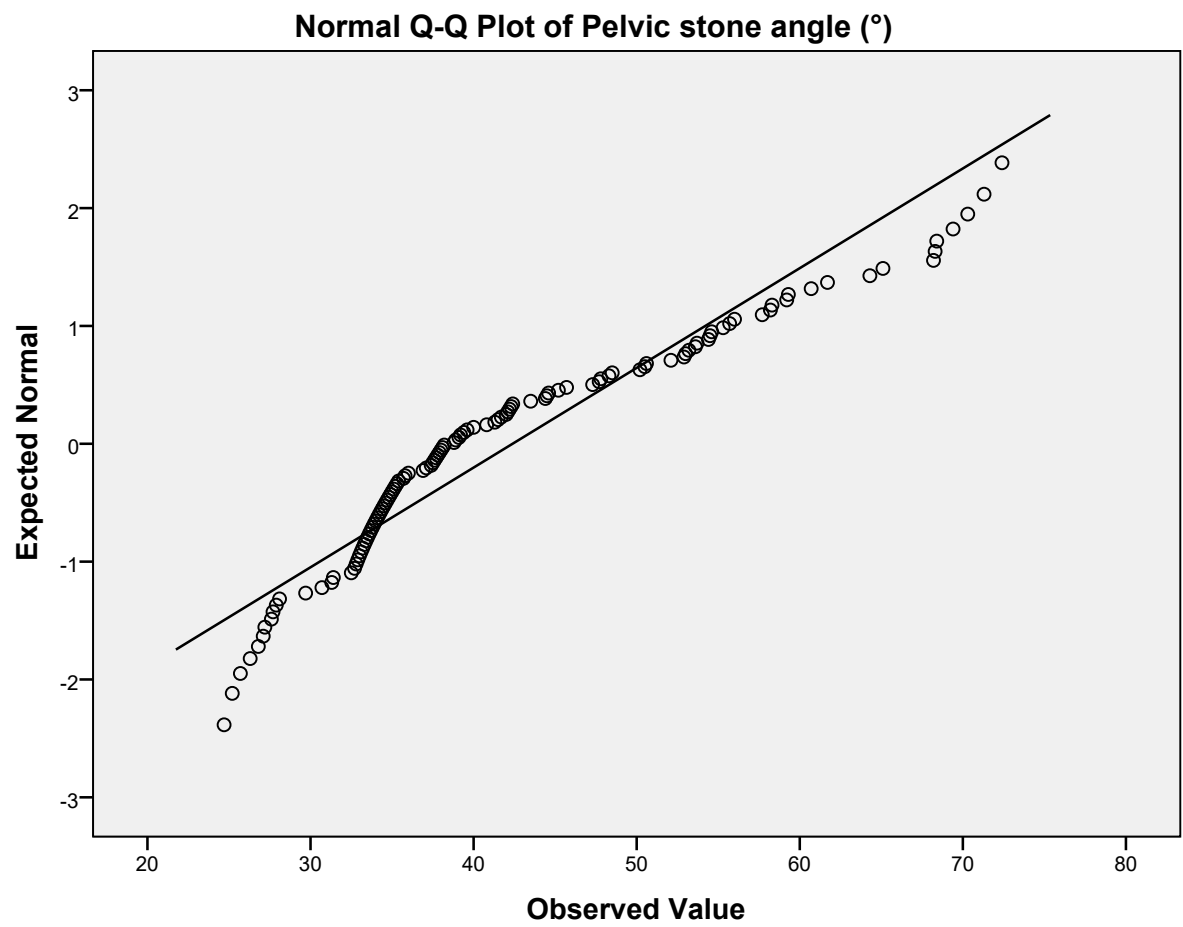
**Pelvic stone angle (°)**

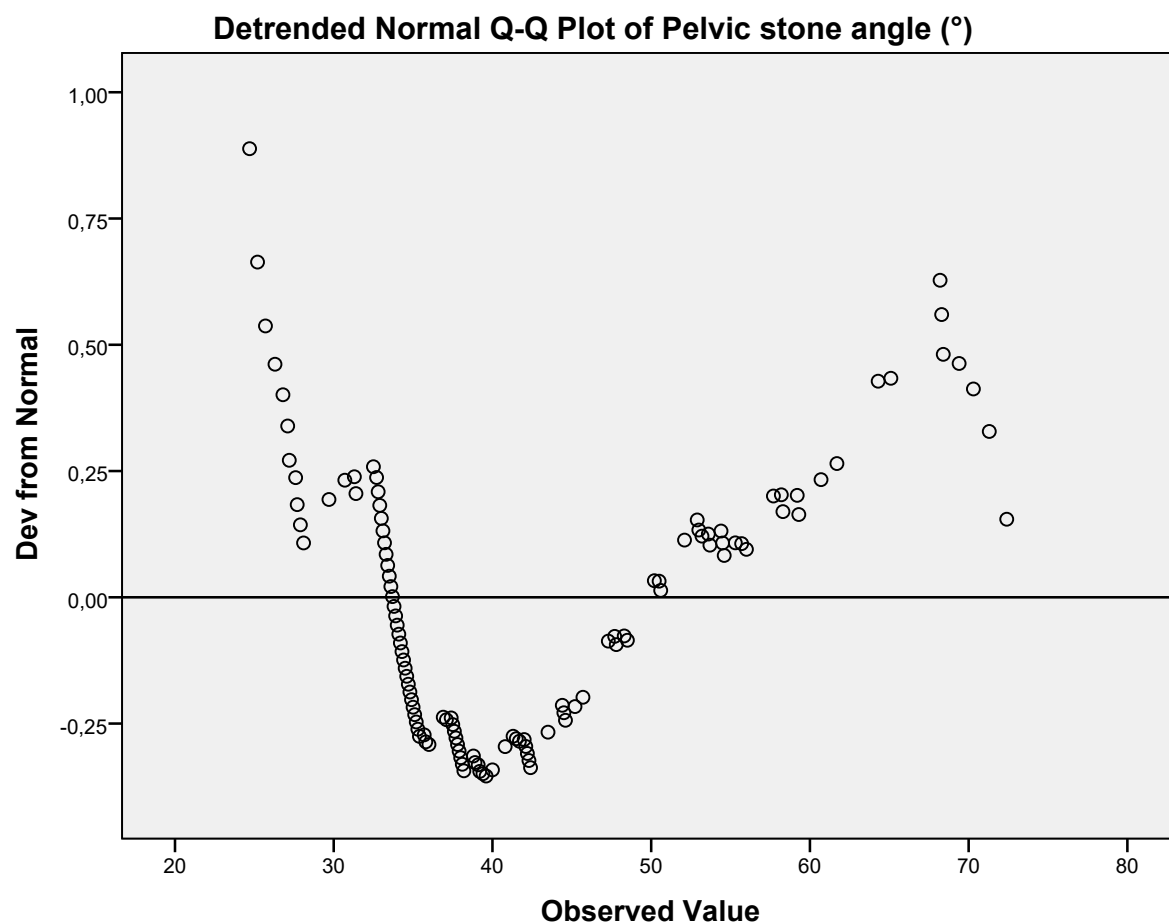


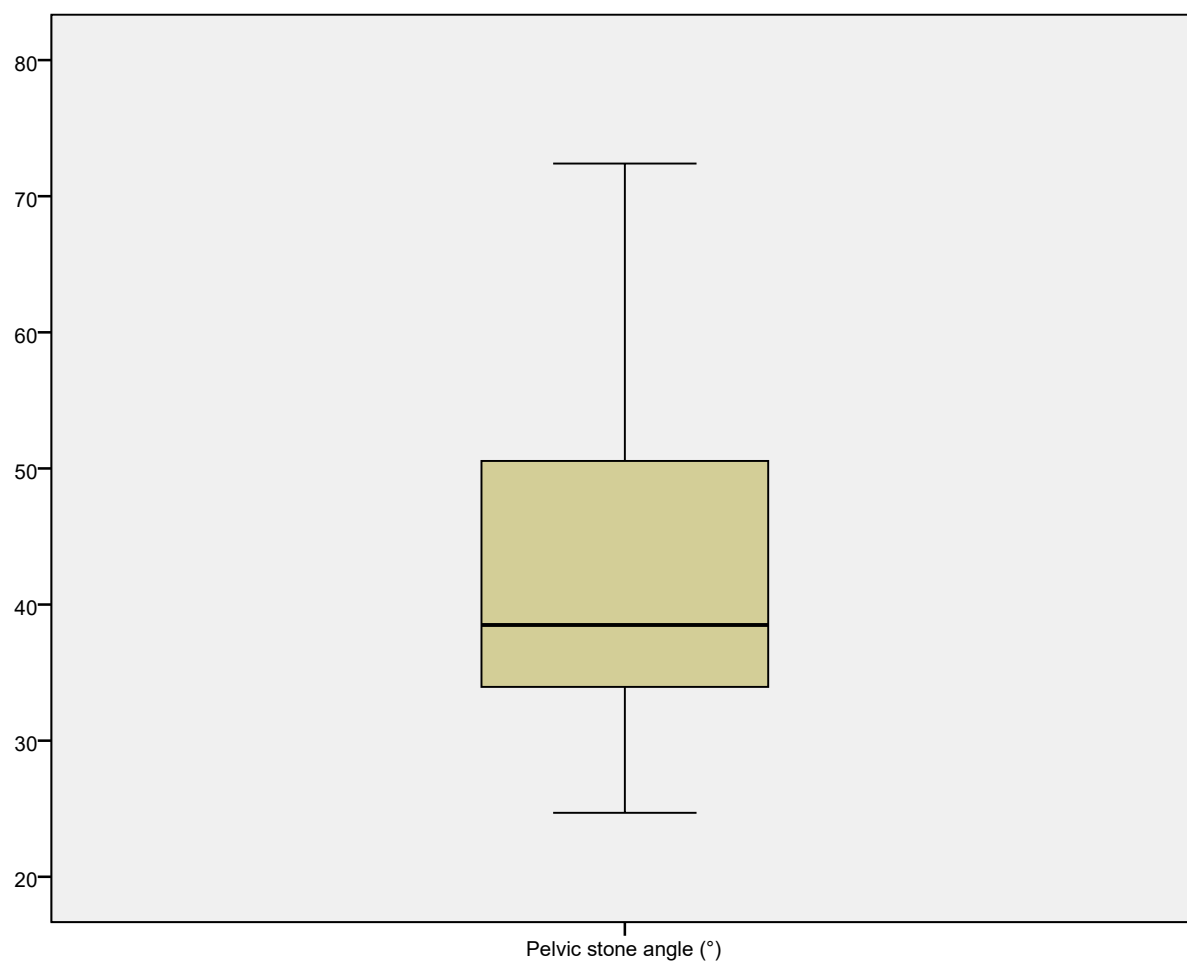
Pelvic stone angle (°) Stem-and-Leaf Plot

| Frequency | Stem & | Leaf                        |
|-----------|--------|-----------------------------|
| 1,00      | 2 .    | 4                           |
| 11,00     | 2 .    | 55667777789                 |
| 27,00     | 3 .    | 011222233333333334444444444 |
| 25,00     | 3 .    | 55555556677777777888889999  |
| 14,00     | 4 .    | 00111222223444              |
| 7,00      | 4 .    | 5577788                     |
| 12,00     | 5 .    | 000223333444                |
| 8,00      | 5 .    | 55678899                    |
| 3,00      | 6 .    | 014                         |
| 5,00      | 6 .    | 58889                       |
| 3,00      | 7 .    | 012                         |

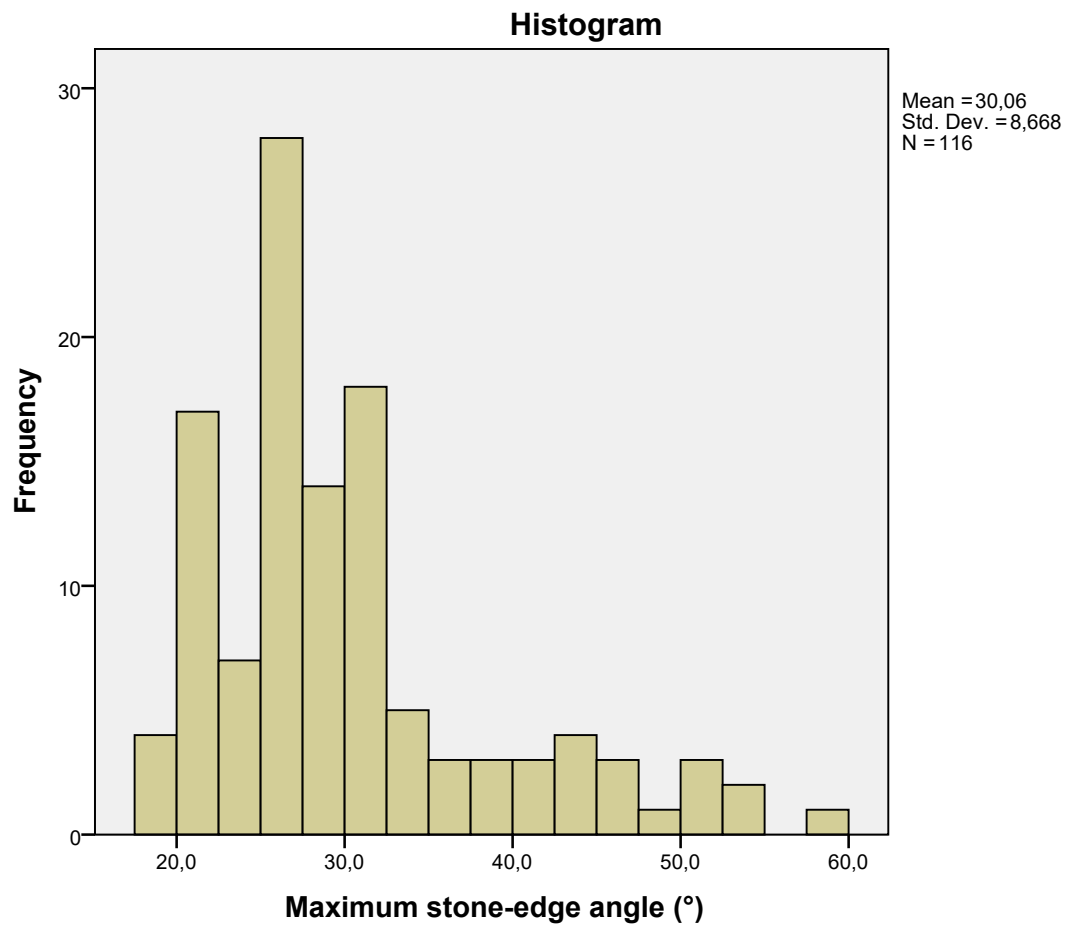
Stem width: 10,0  
Each leaf: 1 case(s)







**Maximum stone-edge angle (°)**

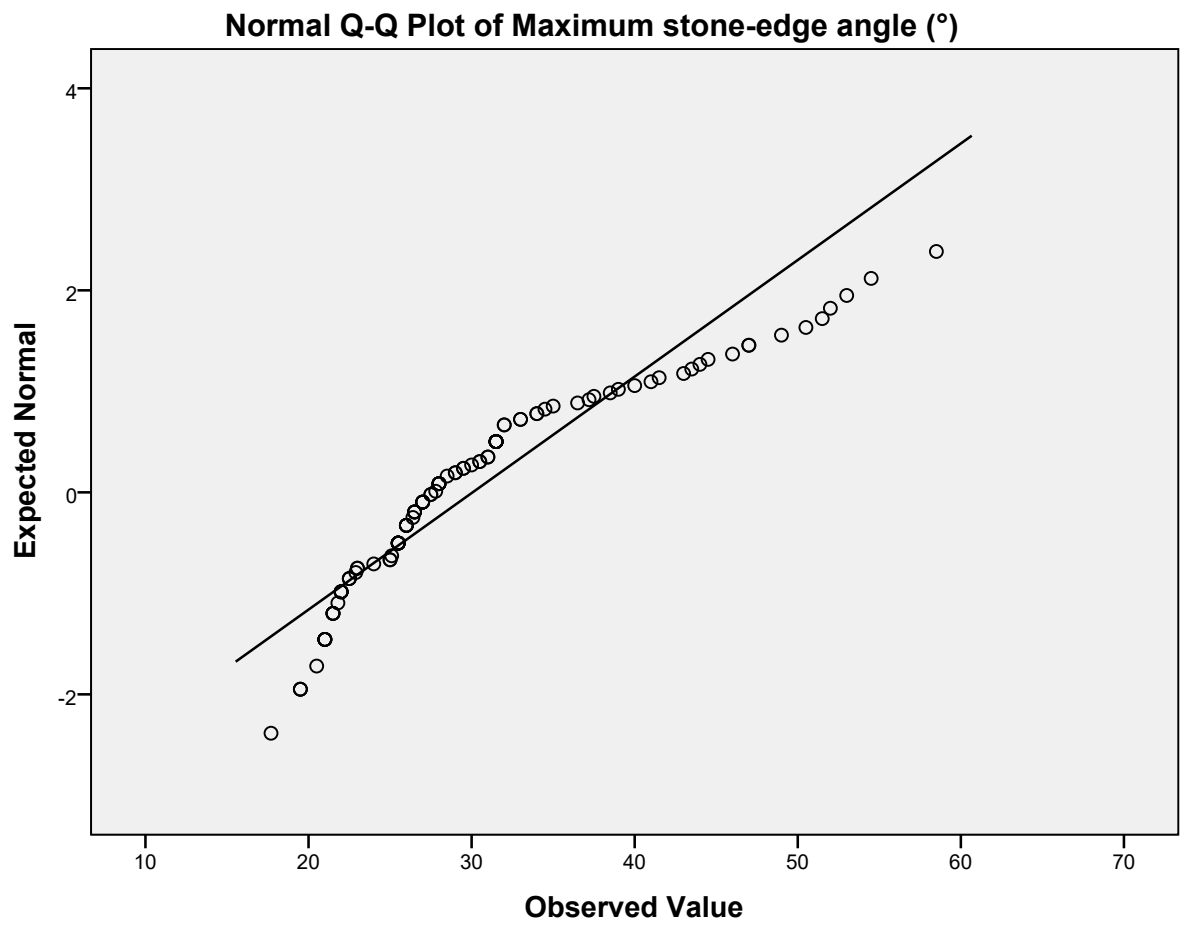


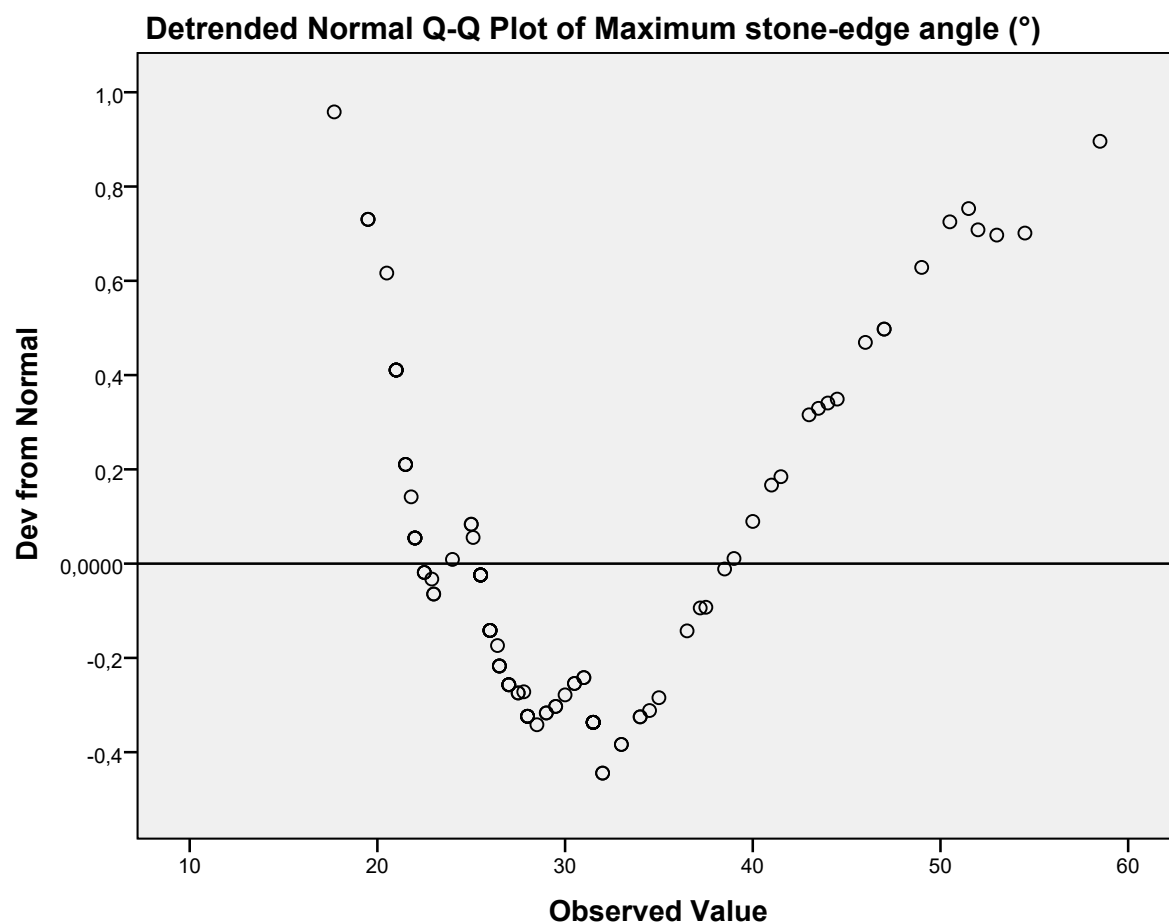
Maximum stone-edge angle (°) Stem-and-Leaf Plot

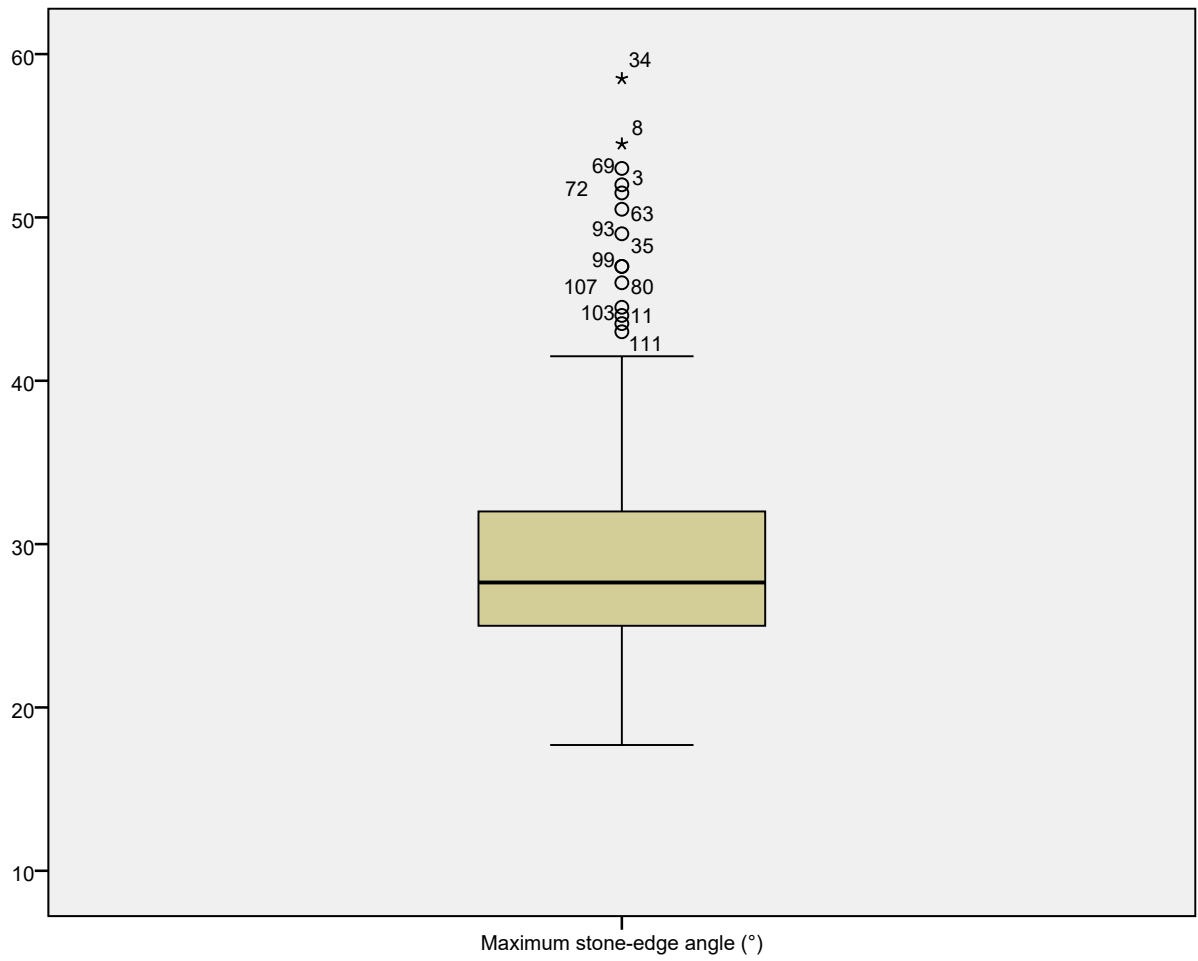
| Frequency | Stem &   | Leaf                |
|-----------|----------|---------------------|
| 1,00      | 1 .      | 7                   |
| 3,00      | 1 .      | 999                 |
| 12,00     | 2 .      | 011111111111        |
| 11,00     | 2 .      | 22222222233         |
| 13,00     | 2 .      | 4555555555555       |
| 19,00     | 2 .      | 6666666666667777777 |
| 11,00     | 2 .      | 88888889999         |
| 16,00     | 3 .      | 000111111111111     |
| 4,00      | 3 .      | 2233                |
| 4,00      | 3 .      | 4445                |
| 3,00      | 3 .      | 677                 |
| 2,00      | 3 .      | 89                  |
| 3,00      | 4 .      | 011                 |
| 14,00     | Extremes | (>=43)              |

Stem width: 10,0

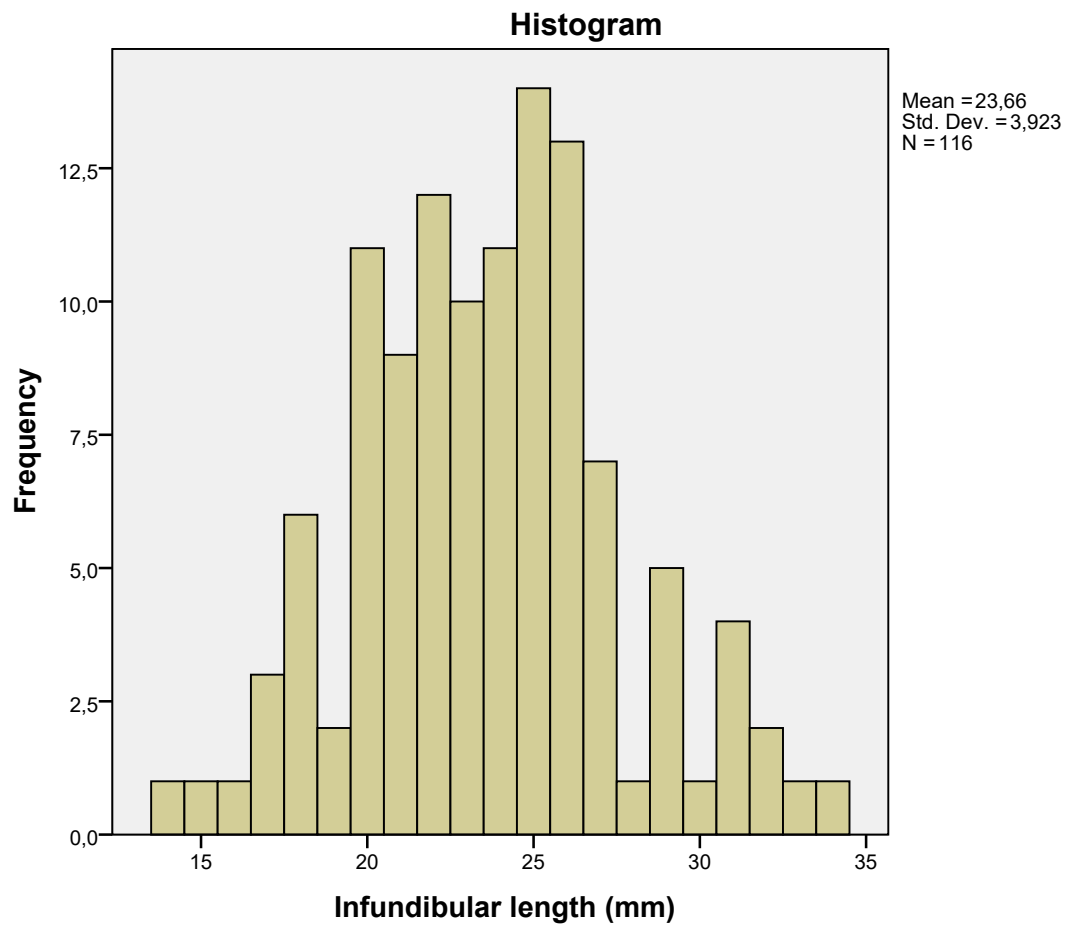
Each leaf: 1 case(s)







**Infundibular length (mm)**

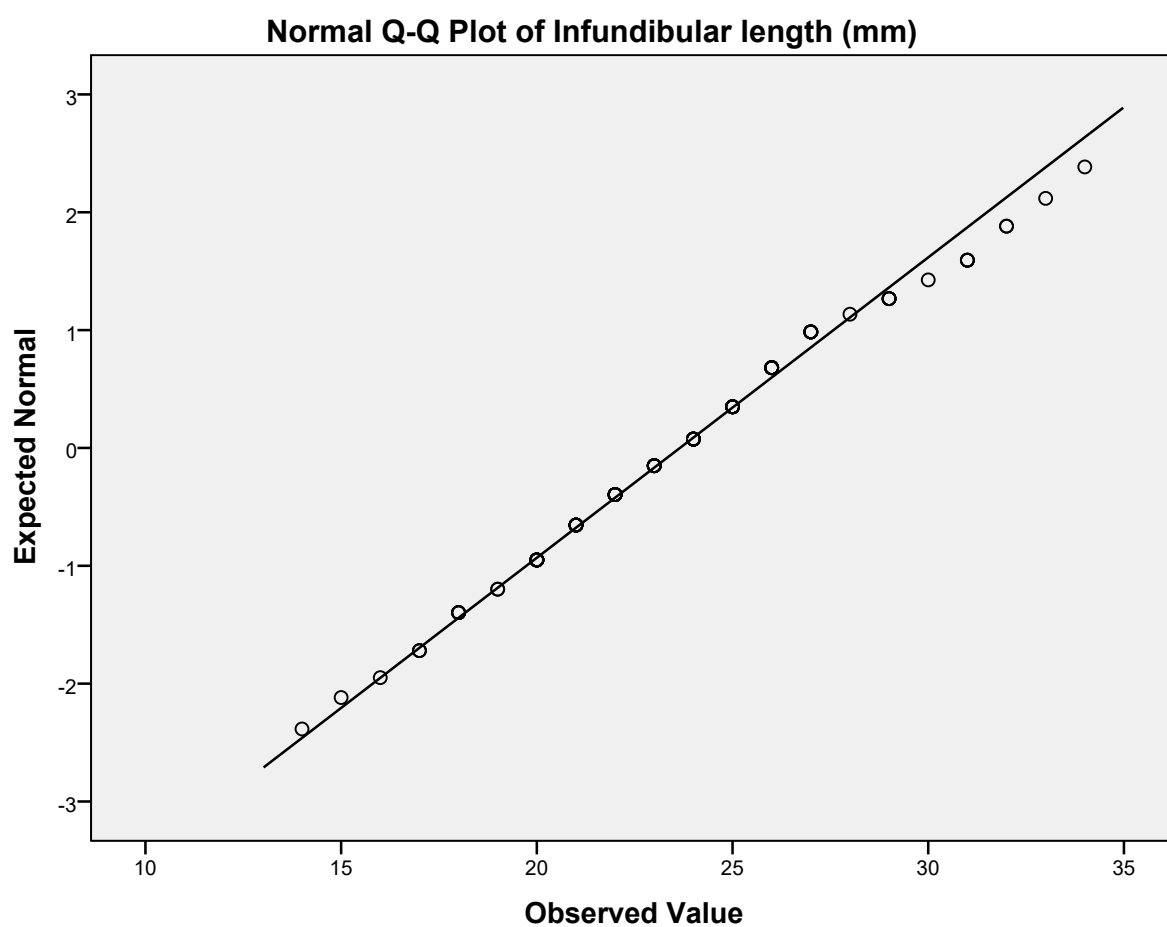


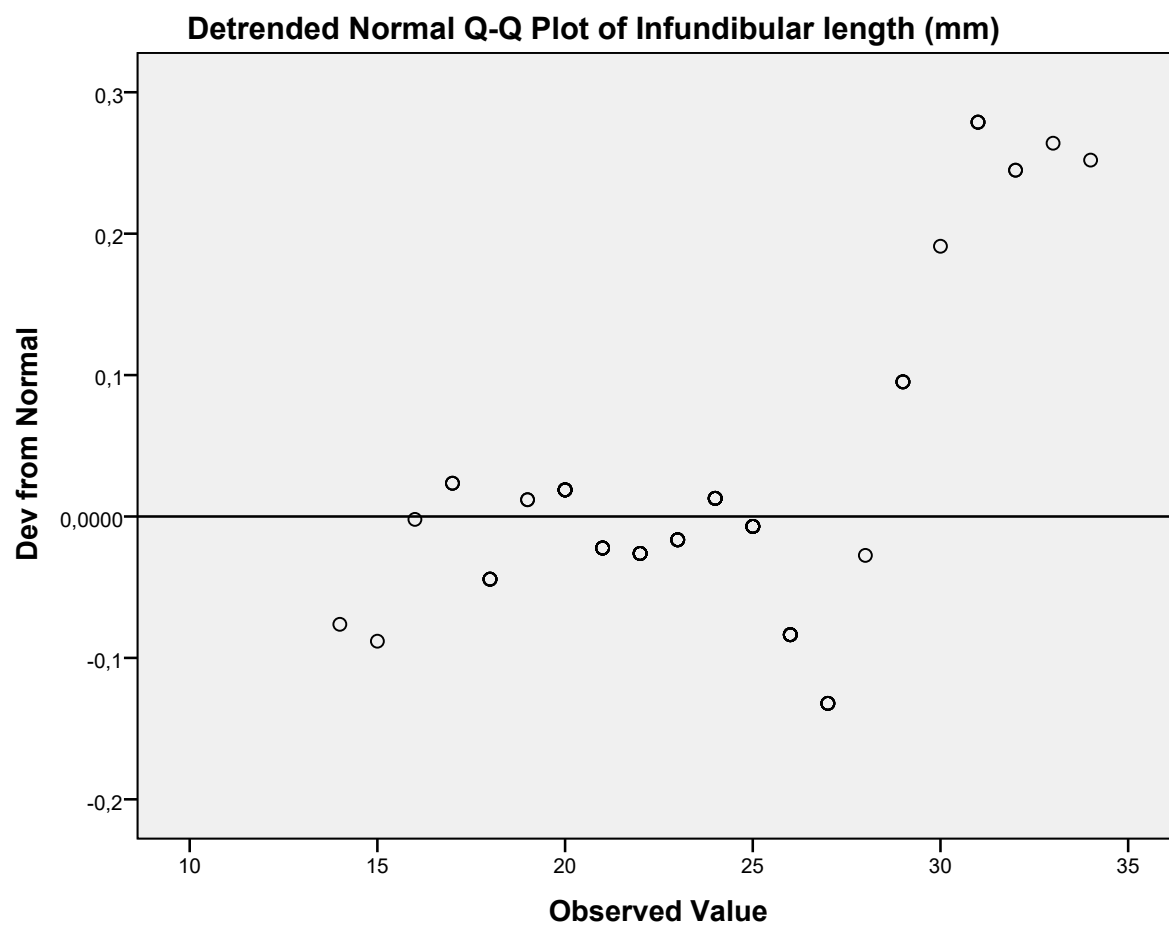
Infundibular length (mm) Stem-and-Leaf Plot

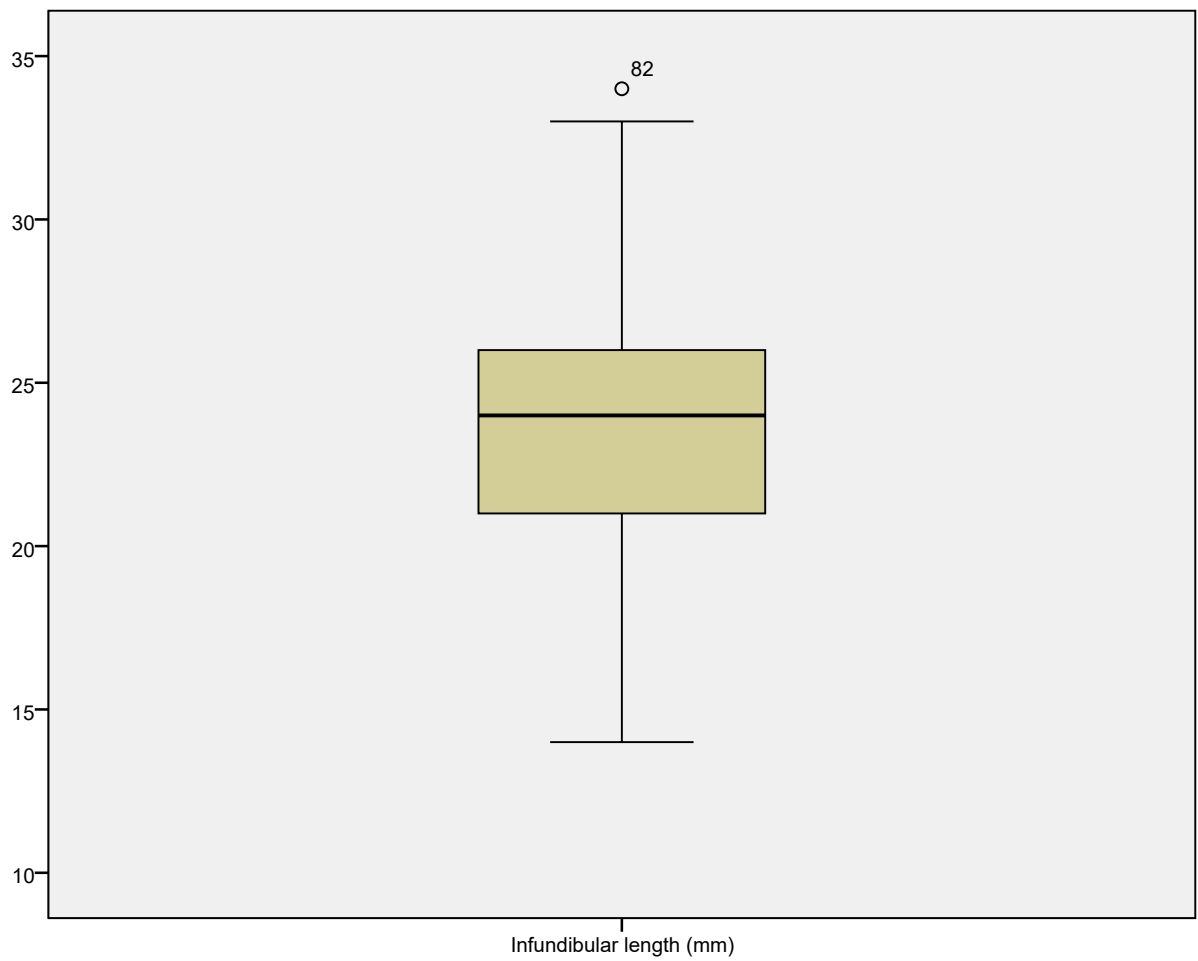
| Frequency | Stem & | Leaf            |
|-----------|--------|-----------------|
| 1,00      | 14 .   | 0               |
| 1,00      | 15 .   | 0               |
| 1,00      | 16 .   | 0               |
| 3,00      | 17 .   | 000             |
| 6,00      | 18 .   | 000000          |
| 2,00      | 19 .   | 00              |
| 11,00     | 20 .   | 000000000000    |
| 9,00      | 21 .   | 0000000000      |
| 12,00     | 22 .   | 000000000000    |
| 10,00     | 23 .   | 00000000000     |
| 11,00     | 24 .   | 000000000000    |
| 14,00     | 25 .   | 000000000000000 |
| 13,00     | 26 .   | 00000000000000  |
| 7,00      | 27 .   | 00000000        |
| 1,00      | 28 .   | 0               |
| 5,00      | 29 .   | 00000           |

|      |          |          |
|------|----------|----------|
| 1,00 | 30 .     | 0        |
| 4,00 | 31 .     | 0000     |
| 2,00 | 32 .     | 00       |
| 1,00 | 33 .     | 0        |
| 1,00 | Extremes | (>=34,0) |

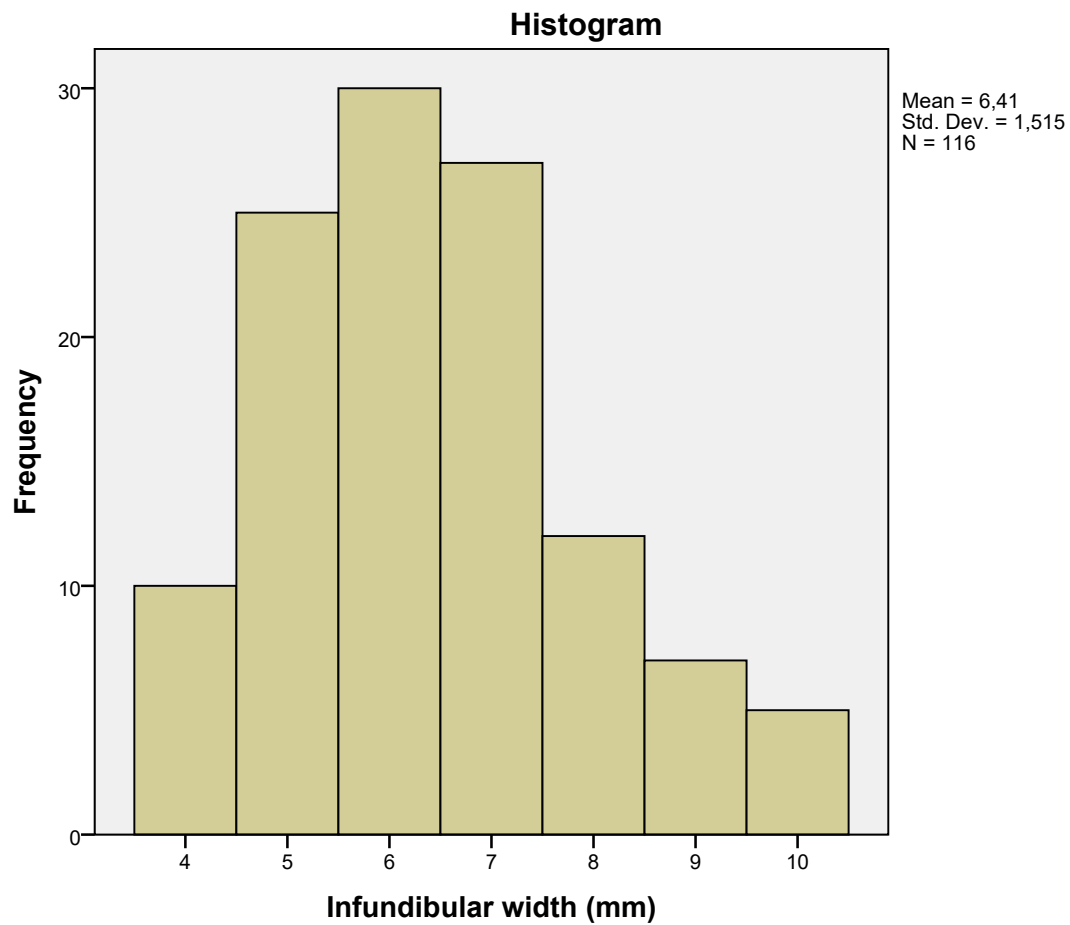
Stem width: 1  
Each leaf: 1 case(s)





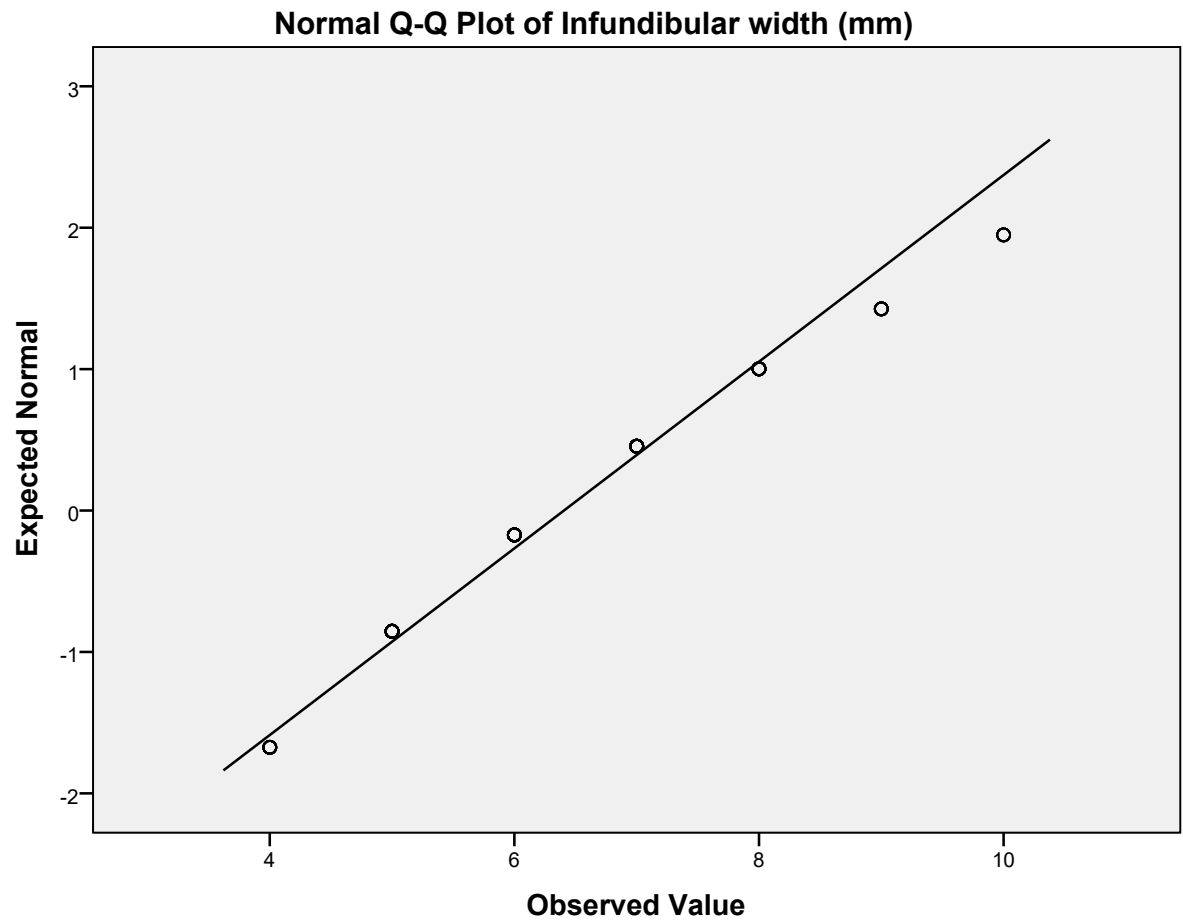


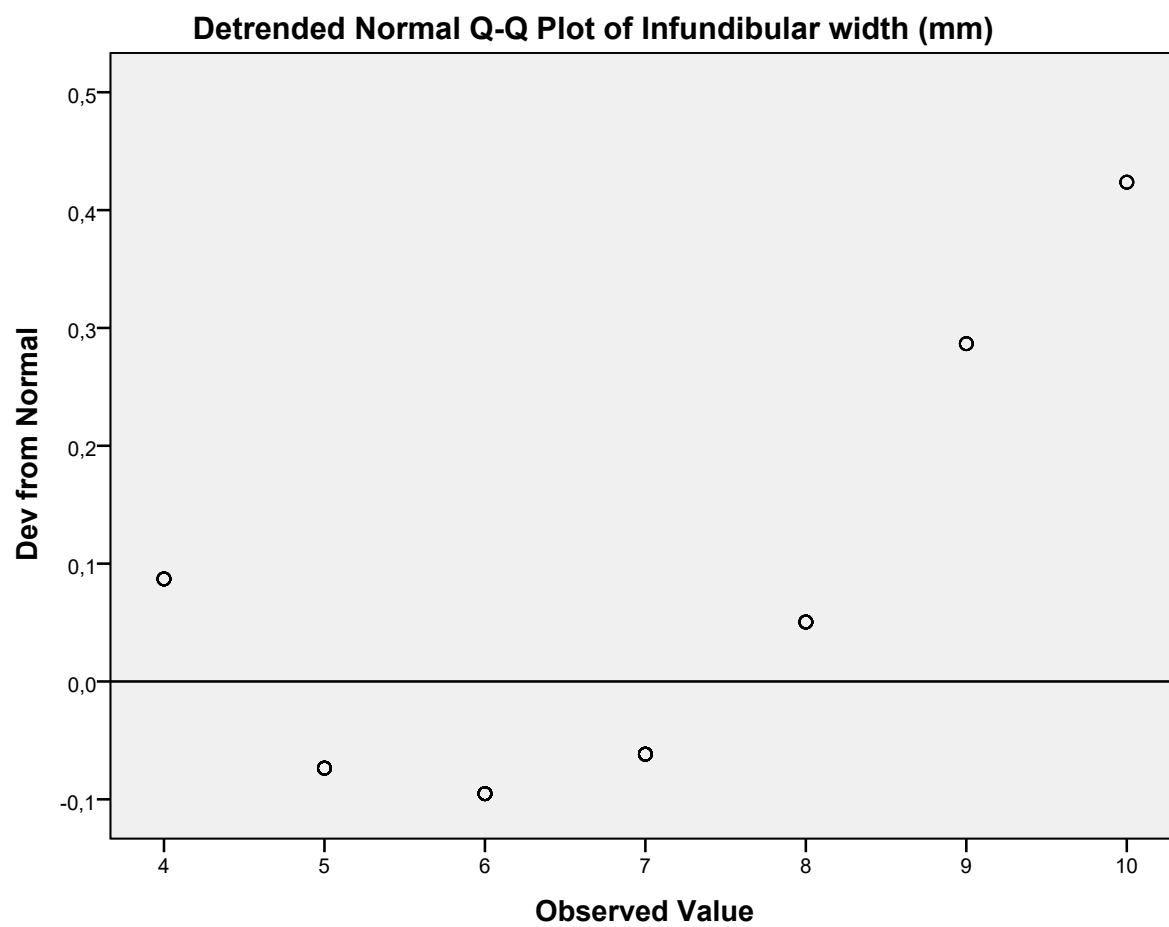
**Infundibular width (mm)**

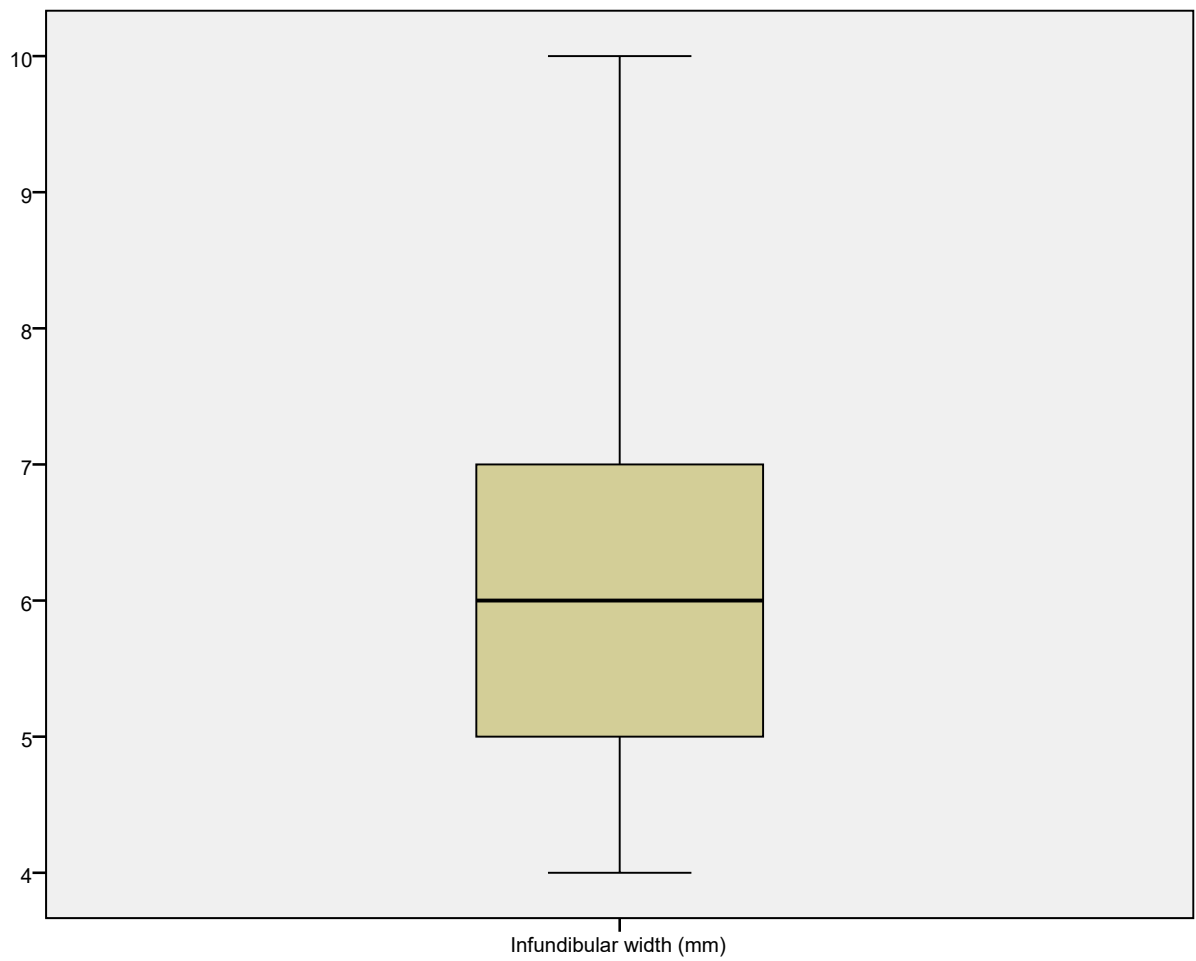


Infundibular width (mm) Stem-and-Leaf Plot

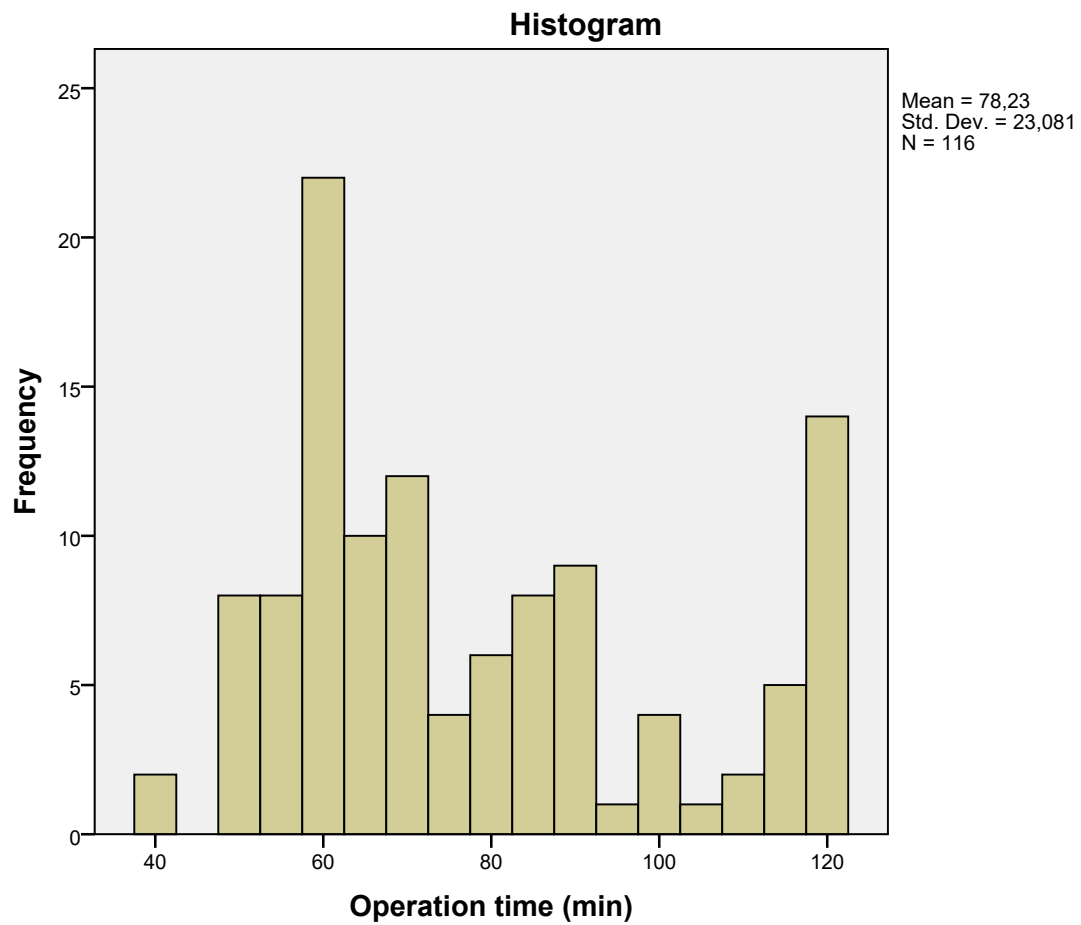
| Frequency            | Stem & | Leaf                         |
|----------------------|--------|------------------------------|
| 10,00                | 4 .    | 0000000000                   |
| ,00                  | 4 .    |                              |
| 25,00                | 5 .    | 000000000000000000000000     |
| ,00                  | 5 .    |                              |
| 30,00                | 6 .    | 0000000000000000000000000000 |
| ,00                  | 6 .    |                              |
| 27,00                | 7 .    | 0000000000000000000000000000 |
| ,00                  | 7 .    |                              |
| 12,00                | 8 .    | 000000000000                 |
| ,00                  | 8 .    |                              |
| 7,00                 | 9 .    | 0000000                      |
| ,00                  | 9 .    |                              |
| 5,00                 | 10 .   | 00000                        |
| Stem width: 1        |        |                              |
| Each leaf: 1 case(s) |        |                              |







**Operation time (min)**

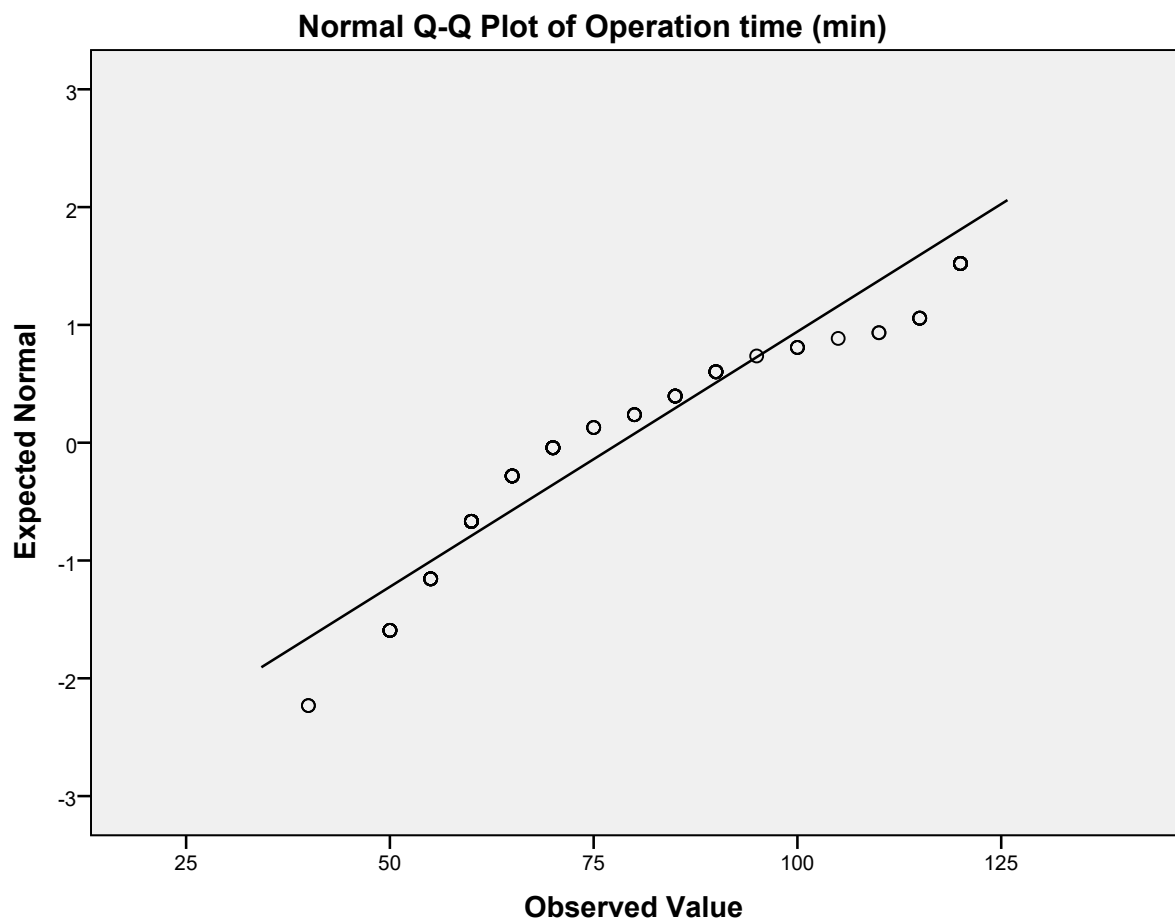


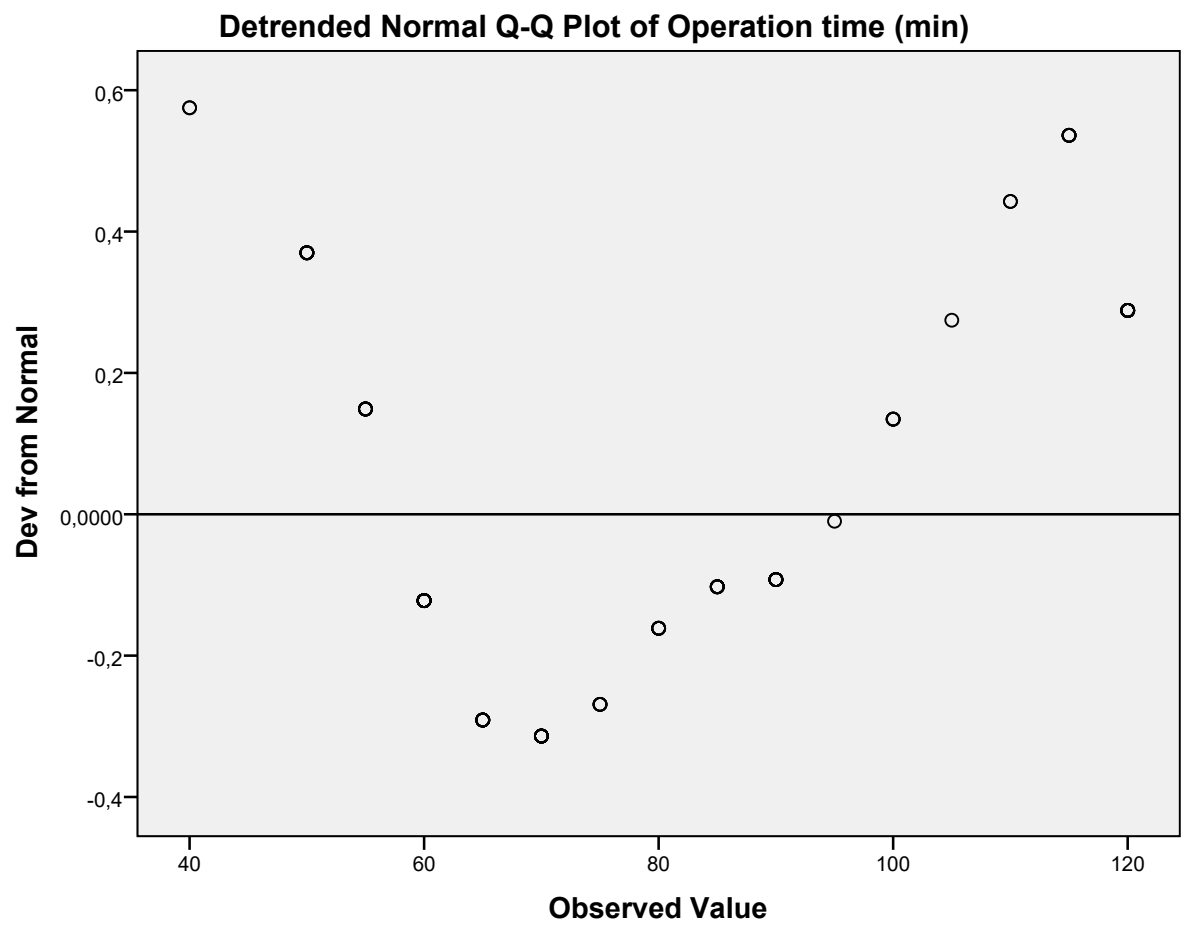
Operation time (min) Stem-and-Leaf Plot

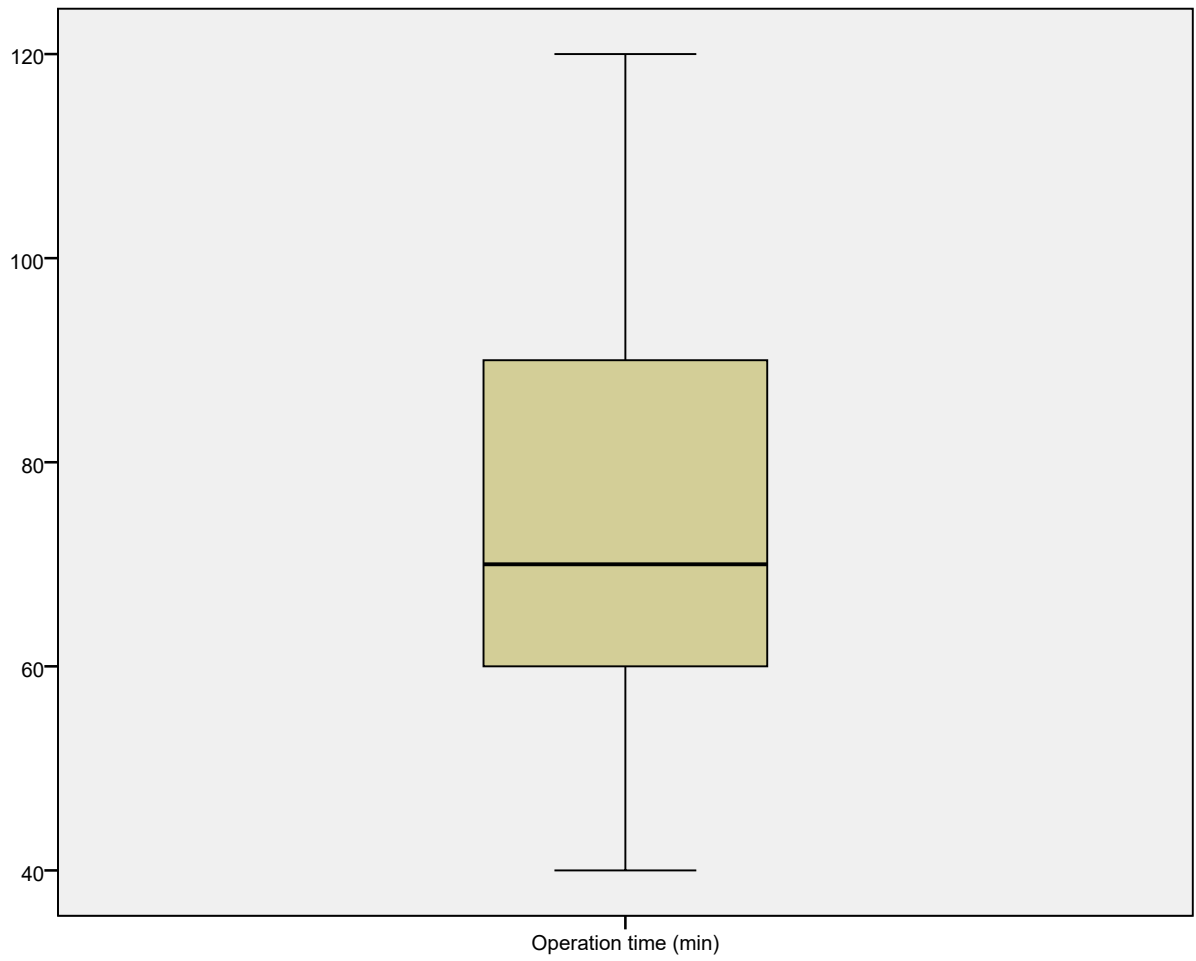
| Frequency | Stem & | Leaf                   |
|-----------|--------|------------------------|
| 2,00      | 4 .    | 00                     |
| ,00       | 4 .    |                        |
| 8,00      | 5 .    | 00000000               |
| 8,00      | 5 .    | 55555555               |
| 22,00     | 6 .    | 0000000000000000000000 |
| 10,00     | 6 .    | 5555555555             |
| 12,00     | 7 .    | 000000000000           |
| 4,00      | 7 .    | 5555                   |
| 6,00      | 8 .    | 000000                 |
| 8,00      | 8 .    | 55555555               |
| 9,00      | 9 .    | 000000000              |
| 1,00      | 9 .    | 5                      |
| 4,00      | 10 .   | 0000                   |
| 1,00      | 10 .   | 5                      |
| 2,00      | 11 .   | 00                     |
| 5,00      | 11 .   | 55555                  |

14,00      12 .    0000000000000000

Stem width:        10  
Each leaf:         1 case(s)







## Explore

### Stone-free status

Case Processing Summary

|                              |                | Cases |         |         |         |       |         |
|------------------------------|----------------|-------|---------|---------|---------|-------|---------|
|                              |                | Valid |         | Missing |         | Total |         |
|                              |                | N     | Percent | N       | Percent | N     | Percent |
| Age (years)                  | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Stone length (mm)            | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Stone width (mm)             | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Stone height (mm)            | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Stone volume (mm³)           | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Stone density (HU)           | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Elbahnasy angle (°)          | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Pelvic stone angle (°)       | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Maximum stone-edge angle (°) | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Infundibular length (mm)     | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Infundibular width (mm)      | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |
| Operation time (min)         | Not stone-free | 40    | 100,0%  | 0       | 0,0%    | 40    | 100,0%  |
|                              | Stone-free     | 76    | 100,0%  | 0       | 0,0%    | 76    | 100,0%  |

### Descriptives

| Stone-free status |                |                                  |             | Statistic | Std. Error |
|-------------------|----------------|----------------------------------|-------------|-----------|------------|
| Age (years)       | Not stone-free | Mean                             |             | 53,55     | 2,320      |
|                   |                | 95% Confidence Interval for Mean | Lower Bound | 48,86     |            |
|                   |                |                                  | Upper Bound | 58,24     |            |
|                   |                | 5% Trimmed Mean                  |             | 54,00     |            |
|                   |                | Median                           |             | 55,50     |            |
|                   |                | Variance                         |             | 215,228   |            |
|                   |                | Std. Deviation                   |             | 14,671    |            |
|                   |                | Minimum                          |             | 23        |            |
|                   |                | Maximum                          |             | 78        |            |
|                   |                | Range                            |             | 55        |            |
|                   |                | Interquartile Range              |             | 24        |            |
|                   |                | Skewness                         |             | -,353     | ,374       |
|                   |                | Kurtosis                         |             | -,825     | ,733       |
|                   | Stone-free     | Mean                             |             | 49,29     | 1,460      |
|                   |                | 95% Confidence Interval for Mean | Lower Bound | 46,38     |            |
|                   |                |                                  | Upper Bound | 52,20     |            |
|                   |                | 5% Trimmed Mean                  |             | 49,25     |            |
|                   |                | Median                           |             | 49,50     |            |
|                   |                | Variance                         |             | 162,022   |            |
|                   |                | Std. Deviation                   |             | 12,729    |            |
|                   |                | Minimum                          |             | 24        |            |
|                   |                | Maximum                          |             | 75        |            |
|                   |                | Range                            |             | 51        |            |
|                   |                | Interquartile Range              |             | 20        |            |
|                   |                | Skewness                         |             | -,025     | ,276       |
|                   |                | Kurtosis                         |             | -,792     | ,545       |
| Stone length (mm) | Not stone-free | Mean                             |             | 16,18     | ,367       |
|                   |                | 95% Confidence Interval for Mean | Lower Bound | 15,43     |            |
|                   |                |                                  | Upper Bound | 16,92     |            |
|                   |                | 5% Trimmed Mean                  |             | 16,25     |            |
|                   |                | Median                           |             | 16,50     |            |
|                   |                | Variance                         |             | 5,379     |            |
|                   |                | Std. Deviation                   |             | 2,319     |            |
|                   |                | Minimum                          |             | 10        |            |
|                   |                | Maximum                          |             | 20        |            |
|                   |                | Range                            |             | 10        |            |
|                   |                | Interquartile Range              |             | 4         |            |
|                   |                | Skewness                         |             | -,431     | ,374       |
|                   |                | Kurtosis                         |             | -,095     | ,733       |
|                   | Stone-free     | Mean                             |             | 12,91     | ,414       |
|                   |                | 95% Confidence Interval for Mean | Lower Bound | 12,08     |            |
|                   |                |                                  | Upper Bound | 13,73     |            |
|                   |                | 5% Trimmed Mean                  |             | 12,91     |            |
|                   |                | Median                           |             | 13,00     |            |
|                   |                | Variance                         |             | 13,045    |            |
|                   |                | Std. Deviation                   |             | 3,612     |            |
|                   |                | Minimum                          |             | 5         |            |
|                   |                | Maximum                          |             | 20        |            |

### Descriptives

| Stone-free status |                |                                  | Statistic                  | Std. Error     |
|-------------------|----------------|----------------------------------|----------------------------|----------------|
|                   |                | Range                            | 15                         |                |
|                   |                | Interquartile Range              | 6                          |                |
|                   |                | Skewness                         | ,012                       | ,276           |
|                   |                | Kurtosis                         | -,794                      | ,545           |
| Stone width (mm)  | Not stone-free | Mean                             | 11,58                      | ,447           |
|                   |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 10,67<br>12,48 |
|                   |                | 5% Trimmed Mean                  | 11,64                      |                |
|                   |                | Median                           | 12,00                      |                |
|                   |                | Variance                         | 7,994                      |                |
|                   |                | Std. Deviation                   | 2,827                      |                |
|                   |                | Minimum                          | 4                          |                |
|                   |                | Maximum                          | 17                         |                |
|                   |                | Range                            | 13                         |                |
|                   |                | Interquartile Range              | 4                          |                |
|                   |                | Skewness                         | -,466                      | ,374           |
|                   |                | Kurtosis                         | ,068                       | ,733           |
|                   | Stone-free     | Mean                             | 10,11                      | ,357           |
|                   |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 9,39<br>10,82  |
|                   |                | 5% Trimmed Mean                  | 10,04                      |                |
|                   |                | Median                           | 10,00                      |                |
|                   |                | Variance                         | 9,669                      |                |
|                   |                | Std. Deviation                   | 3,109                      |                |
|                   |                | Minimum                          | 4                          |                |
|                   |                | Maximum                          | 18                         |                |
|                   |                | Range                            | 14                         |                |
|                   |                | Interquartile Range              | 4                          |                |
|                   |                | Skewness                         | ,107                       | ,276           |
|                   |                | Kurtosis                         | -,491                      | ,545           |
| Stone height (mm) | Not stone-free | Mean                             | 11,00                      | ,439           |
|                   |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 10,11<br>11,89 |
|                   |                | 5% Trimmed Mean                  | 10,94                      |                |
|                   |                | Median                           | 11,00                      |                |
|                   |                | Variance                         | 7,692                      |                |
|                   |                | Std. Deviation                   | 2,774                      |                |
|                   |                | Minimum                          | 7                          |                |
|                   |                | Maximum                          | 16                         |                |
|                   |                | Range                            | 9                          |                |
|                   |                | Interquartile Range              | 5                          |                |
|                   |                | Skewness                         | ,137                       | ,374           |
|                   |                | Kurtosis                         | -1,189                     | ,733           |
|                   | Stone-free     | Mean                             | 9,91                       | ,306           |
|                   |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 9,30<br>10,52  |
|                   |                | 5% Trimmed Mean                  | 9,91                       |                |
|                   |                | Median                           | 10,00                      |                |

### Descriptives

| Stone-free status  |                |                                  | Statistic                  | Std. Error            |
|--------------------|----------------|----------------------------------|----------------------------|-----------------------|
|                    |                | Variance                         | 7,125                      |                       |
|                    |                | Std. Deviation                   | 2,669                      |                       |
|                    |                | Minimum                          | 5                          |                       |
|                    |                | Maximum                          | 16                         |                       |
|                    |                | Range                            | 11                         |                       |
|                    |                | Interquartile Range              | 4                          |                       |
|                    |                | Skewness                         | -,002                      | ,276                  |
|                    |                | Kurtosis                         | -,863                      | ,545                  |
| Stone volume (mm³) | Not stone-free | Mean                             | 1071,1129                  | 61,35023              |
|                    |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 947,0204<br>1195,2055 |
|                    |                | 5% Trimmed Mean                  | 1071,5158                  |                       |
|                    |                | Median                           | 1042,4852                  |                       |
|                    |                | Variance                         | 150554,016                 |                       |
|                    |                | Std. Deviation                   | 388,01291                  |                       |
|                    |                | Minimum                          | 395,84                     |                       |
|                    |                | Maximum                          | 1735,73                    |                       |
|                    |                | Range                            | 1339,89                    |                       |
|                    |                | Interquartile Range              | 446,50                     |                       |
|                    |                | Skewness                         | ,267                       | ,374                  |
|                    |                | Kurtosis                         | -,584                      | ,733                  |
|                    | Stone-free     | Mean                             | 745,3015                   | 49,31895              |
|                    |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 647,0531<br>843,5499  |
|                    |                | 5% Trimmed Mean                  | 727,3001                   |                       |
|                    |                | Median                           | 744,5575                   |                       |
|                    |                | Variance                         | 184859,250                 |                       |
|                    |                | Std. Deviation                   | 429,95261                  |                       |
|                    |                | Minimum                          | 52,36                      |                       |
|                    |                | Maximum                          | 1851,45                    |                       |
|                    |                | Range                            | 1799,09                    |                       |
|                    |                | Interquartile Range              | 634,60                     |                       |
|                    |                | Skewness                         | ,446                       | ,276                  |
|                    |                | Kurtosis                         | -,182                      | ,545                  |
| Stone density (HU) | Not stone-free | Mean                             | 1081,35                    | 46,349                |
|                    |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 987,60<br>1175,10     |
|                    |                | 5% Trimmed Mean                  | 1080,31                    |                       |
|                    |                | Median                           | 1080,50                    |                       |
|                    |                | Variance                         | 85930,746                  |                       |
|                    |                | Std. Deviation                   | 293,139                    |                       |
|                    |                | Minimum                          | 249                        |                       |
|                    |                | Maximum                          | 1697                       |                       |
|                    |                | Range                            | 1448                       |                       |
|                    |                | Interquartile Range              | 390                        |                       |
|                    |                | Skewness                         | -,075                      | ,374                  |
|                    |                | Kurtosis                         | ,611                       | ,733                  |
|                    | Stone-free     | Mean                             | 968,43                     | 41,587                |

### Descriptives

| Stone-free status      |                                  |                                  | Statistic   | Std. Error |
|------------------------|----------------------------------|----------------------------------|-------------|------------|
|                        | 95% Confidence Interval for Mean | Lower Bound                      | 885,59      |            |
|                        |                                  | Upper Bound                      | 1051,28     |            |
|                        | 5% Trimmed Mean                  |                                  | 966,01      |            |
|                        | Median                           |                                  | 990,00      |            |
|                        | Variance                         |                                  | 131439,689  |            |
|                        | Std. Deviation                   |                                  | 362,546     |            |
|                        | Minimum                          |                                  | 249         |            |
|                        | Maximum                          |                                  | 1753        |            |
|                        | Range                            |                                  | 1504        |            |
|                        | Interquartile Range              |                                  | 503         |            |
|                        | Skewness                         |                                  | ,166        | ,276       |
|                        | Kurtosis                         |                                  | -,591       | ,545       |
| Elbahnasy angle (°)    | Not stone-free                   | Mean                             | 49,208      | 2,4040     |
|                        |                                  | 95% Confidence Interval for Mean | Lower Bound | 44,345     |
|                        |                                  |                                  | Upper Bound | 54,070     |
|                        |                                  | 5% Trimmed Mean                  |             | 48,625     |
|                        |                                  | Median                           |             | 46,800     |
|                        |                                  | Variance                         |             | 231,178    |
|                        |                                  | Std. Deviation                   |             | 15,2045    |
|                        |                                  | Minimum                          |             | 24,7       |
|                        |                                  | Maximum                          |             | 84,4       |
|                        |                                  | Range                            |             | 59,7       |
|                        |                                  | Interquartile Range              |             | 18,3       |
|                        |                                  | Skewness                         |             | ,585       |
|                        |                                  | Kurtosis                         |             | -,208      |
|                        | Stone-free                       | Mean                             | 53,114      | 1,6544     |
|                        |                                  | 95% Confidence Interval for Mean | Lower Bound | 49,819     |
|                        |                                  |                                  | Upper Bound | 56,410     |
|                        |                                  | 5% Trimmed Mean                  |             | 53,060     |
|                        |                                  | Median                           |             | 53,050     |
|                        |                                  | Variance                         |             | 208,010    |
|                        |                                  | Std. Deviation                   |             | 14,4225    |
|                        |                                  | Minimum                          |             | 22,7       |
|                        |                                  | Maximum                          |             | 83,3       |
|                        |                                  | Range                            |             | 60,6       |
|                        |                                  | Interquartile Range              |             | 19,2       |
|                        |                                  | Skewness                         |             | ,036       |
|                        |                                  | Kurtosis                         |             | -,429      |
| Pelvic stone angle (°) | Not stone-free                   | Mean                             | 40,815      | 1,9254     |
|                        |                                  | 95% Confidence Interval for Mean | Lower Bound | 36,920     |
|                        |                                  |                                  | Upper Bound | 44,710     |
|                        |                                  | 5% Trimmed Mean                  |             | 40,000     |
|                        |                                  | Median                           |             | 35,650     |
|                        |                                  | Variance                         |             | 148,287    |
|                        |                                  | Std. Deviation                   |             | 12,1773    |
|                        |                                  | Minimum                          |             | 24,7       |
|                        |                                  | Maximum                          |             | 72,4       |
|                        |                                  | Range                            |             | 47,7       |

### Descriptives

| Stone-free status            |                |                                  | Statistic                  | Std. Error       |
|------------------------------|----------------|----------------------------------|----------------------------|------------------|
|                              | Stone-free     | Interquartile Range              | 15,4                       |                  |
|                              |                | Skewness                         | 1,159                      | ,374             |
|                              |                | Kurtosis                         | ,439                       | ,733             |
|                              |                | Mean                             | 43,214                     | 1,3332           |
|                              |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 40,559<br>45,870 |
|                              |                | 5% Trimmed Mean                  | 42,678                     |                  |
|                              |                | Median                           | 41,050                     |                  |
|                              |                | Variance                         | 135,085                    |                  |
|                              |                | Std. Deviation                   | 11,6226                    |                  |
|                              |                | Minimum                          | 25,7                       |                  |
|                              |                | Maximum                          | 71,3                       |                  |
|                              |                | Range                            | 45,6                       |                  |
|                              |                | Interquartile Range              | 17,4                       |                  |
|                              |                | Skewness                         | ,695                       | ,276             |
|                              |                | Kurtosis                         | -,233                      | ,545             |
| Maximum stone-edge angle (°) | Not stone-free | Mean                             | 27,107                     | 1,3403           |
|                              |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 24,396<br>29,819 |
|                              |                | 5% Trimmed Mean                  | 26,308                     |                  |
|                              |                | Median                           | 24,500                     |                  |
|                              |                | Variance                         | 71,861                     |                  |
|                              |                | Std. Deviation                   | 8,4771                     |                  |
|                              |                | Minimum                          | 17,7                       |                  |
|                              |                | Maximum                          | 53,0                       |                  |
|                              |                | Range                            | 35,3                       |                  |
|                              |                | Interquartile Range              | 9,5                        |                  |
|                              |                | Skewness                         | 1,503                      | ,374             |
|                              |                | Kurtosis                         | 1,582                      | ,733             |
|                              | Stone-free     | Mean                             | 31,620                     | ,9647            |
|                              |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 29,698<br>33,541 |
|                              |                | 5% Trimmed Mean                  | 30,936                     |                  |
|                              |                | Median                           | 29,250                     |                  |
|                              |                | Variance                         | 70,723                     |                  |
|                              |                | Std. Deviation                   | 8,4097                     |                  |
|                              |                | Minimum                          | 19,5                       |                  |
|                              |                | Maximum                          | 58,5                       |                  |
|                              |                | Range                            | 39,0                       |                  |
|                              |                | Interquartile Range              | 6,6                        |                  |
| Infundibular length (mm)     | Not stone-free | Mean                             | 23,50                      | ,643             |
|                              |                | 95% Confidence Interval for Mean | Lower Bound<br>Upper Bound | 22,20<br>24,80   |
|                              |                | 5% Trimmed Mean                  | 23,47                      |                  |
|                              |                | Median                           | 23,00                      |                  |
|                              |                | Variance                         | 16,513                     |                  |

### Descriptives

| Stone-free status       |                |                                  | Statistic   | Std. Error |
|-------------------------|----------------|----------------------------------|-------------|------------|
|                         |                | Std. Deviation                   | 4,064       |            |
|                         |                | Minimum                          | 14          |            |
|                         |                | Maximum                          | 32          |            |
|                         |                | Range                            | 18          |            |
|                         |                | Interquartile Range              | 6           |            |
|                         |                | Skewness                         | ,103        | ,374       |
|                         |                | Kurtosis                         | -,302       | ,733       |
|                         | Stone-free     | Mean                             | 23,74       | ,444       |
|                         |                | 95% Confidence Interval for Mean | Lower Bound | 22,85      |
|                         |                |                                  | Upper Bound | 24,62      |
|                         |                | 5% Trimmed Mean                  | 23,66       |            |
|                         |                | Median                           | 24,00       |            |
|                         |                | Variance                         | 14,996      |            |
|                         |                | Std. Deviation                   | 3,873       |            |
|                         |                | Minimum                          | 15          |            |
|                         |                | Maximum                          | 34          |            |
|                         |                | Range                            | 19          |            |
|                         |                | Interquartile Range              | 5           |            |
|                         |                | Skewness                         | ,253        | ,276       |
|                         |                | Kurtosis                         | ,333        | ,545       |
| Infundibular width (mm) | Not stone-free | Mean                             | 6,53        | ,226       |
|                         |                | 95% Confidence Interval for Mean | Lower Bound | 6,07       |
|                         |                |                                  | Upper Bound | 6,98       |
|                         |                | 5% Trimmed Mean                  | 6,50        |            |
|                         |                | Median                           | 7,00        |            |
|                         |                | Variance                         | 2,051       |            |
|                         |                | Std. Deviation                   | 1,432       |            |
|                         |                | Minimum                          | 4           |            |
|                         |                | Maximum                          | 10          |            |
|                         |                | Range                            | 6           |            |
|                         |                | Interquartile Range              | 2           |            |
|                         |                | Skewness                         | ,140        | ,374       |
|                         |                | Kurtosis                         | -,289       | ,733       |
|                         | Stone-free     | Mean                             | 6,34        | ,179       |
|                         |                | 95% Confidence Interval for Mean | Lower Bound | 5,99       |
|                         |                |                                  | Upper Bound | 6,70       |
|                         |                | 5% Trimmed Mean                  | 6,27        |            |
|                         |                | Median                           | 6,00        |            |
|                         |                | Variance                         | 2,441       |            |
|                         |                | Std. Deviation                   | 1,562       |            |
|                         |                | Minimum                          | 4           |            |
|                         |                | Maximum                          | 10          |            |
|                         |                | Range                            | 6           |            |
|                         |                | Interquartile Range              | 2           |            |
|                         |                | Skewness                         | ,679        | ,276       |
|                         |                | Kurtosis                         | -,023       | ,545       |
| Operation time (min)    | Not stone-free | Mean                             | 81,75       | 3,565      |

### Descriptives

| Stone-free status |                                  |             | Statistic | Std. Error |
|-------------------|----------------------------------|-------------|-----------|------------|
|                   | 95% Confidence Interval for Mean | Lower Bound | 74,54     |            |
|                   |                                  | Upper Bound | 88,96     |            |
|                   | 5% Trimmed Mean                  |             | 81,67     |            |
|                   | Median                           |             | 80,00     |            |
|                   | Variance                         |             | 508,397   |            |
|                   | Std. Deviation                   |             | 22,548    |            |
|                   | Minimum                          |             | 40        |            |
|                   | Maximum                          |             | 120       |            |
|                   | Range                            |             | 80        |            |
|                   | Interquartile Range              |             | 38        |            |
|                   | Skewness                         |             | ,327      | ,374       |
|                   | Kurtosis                         |             | -,812     | ,733       |
| Stone-free        | Mean                             |             | 76,38     | 2,671      |
|                   | 95% Confidence Interval for Mean | Lower Bound | 71,06     |            |
|                   |                                  | Upper Bound | 81,70     |            |
|                   | 5% Trimmed Mean                  |             | 75,57     |            |
|                   | Median                           |             | 70,00     |            |
|                   | Variance                         |             | 542,399   |            |
|                   | Std. Deviation                   |             | 23,289    |            |
|                   | Minimum                          |             | 40        |            |
|                   | Maximum                          |             | 120       |            |
|                   | Range                            |             | 80        |            |
|                   | Interquartile Range              |             | 30        |            |
|                   | Skewness                         |             | ,798      | ,276       |
|                   | Kurtosis                         |             | -,665     | ,545       |

### Tests of Normality

|                                 |                | Kolmogorov-Smirnov <sup>a</sup> |    |                   | Shapiro-Wilk |    |      |
|---------------------------------|----------------|---------------------------------|----|-------------------|--------------|----|------|
|                                 |                | Statistic                       | df | Sig.              | Statistic    | df | Sig. |
| Age (years)                     | Not stone-free | ,144                            | 40 | ,035              | ,955         | 40 | ,114 |
|                                 | Stone-free     | ,096                            | 76 | ,082              | ,980         | 76 | ,281 |
| Stone length (mm)               | Not stone-free | ,139                            | 40 | ,050              | ,954         | 40 | ,102 |
|                                 | Stone-free     | ,108                            | 76 | ,028              | ,970         | 76 | ,067 |
| Stone width (mm)                | Not stone-free | ,135                            | 40 | ,065              | ,972         | 40 | ,424 |
|                                 | Stone-free     | ,110                            | 76 | ,023              | ,975         | 76 | ,144 |
| Stone height (mm)               | Not stone-free | ,140                            | 40 | ,048              | ,935         | 40 | ,024 |
|                                 | Stone-free     | ,126                            | 76 | ,005              | ,964         | 76 | ,029 |
| Stone volume (mm <sup>3</sup> ) | Not stone-free | ,164                            | 40 | ,009              | ,934         | 40 | ,022 |
|                                 | Stone-free     | ,080                            | 76 | ,200 <sup>*</sup> | ,967         | 76 | ,044 |
| Stone density (HU)              | Not stone-free | ,090                            | 40 | ,200 <sup>*</sup> | ,970         | 40 | ,364 |
|                                 | Stone-free     | ,059                            | 76 | ,200 <sup>*</sup> | ,983         | 76 | ,387 |
| Elbahnasy angle (°)             | Not stone-free | ,154                            | 40 | ,018              | ,950         | 40 | ,075 |
|                                 | Stone-free     | ,078                            | 76 | ,200 <sup>*</sup> | ,982         | 76 | ,338 |
| Pelvic stone angle (°)          | Not stone-free | ,263                            | 40 | ,000              | ,844         | 40 | ,000 |
|                                 | Stone-free     | ,120                            | 76 | ,009              | ,942         | 76 | ,002 |
| Maximum stone-edge angle (°)    | Not stone-free | ,229                            | 40 | ,000              | ,808         | 40 | ,000 |
|                                 | Stone-free     | ,232                            | 76 | ,000              | ,846         | 76 | ,000 |
| Infundibular length (mm)        | Not stone-free | ,119                            | 40 | ,160              | ,973         | 40 | ,449 |
|                                 | Stone-free     | ,109                            | 76 | ,026              | ,979         | 76 | ,232 |
| Infundibular width (mm)         | Not stone-free | ,180                            | 40 | ,002              | ,945         | 40 | ,053 |
|                                 | Stone-free     | ,205                            | 76 | ,000              | ,916         | 76 | ,000 |
| Operation time (min)            | Not stone-free | ,108                            | 40 | ,200 <sup>*</sup> | ,939         | 40 | ,033 |
|                                 | Stone-free     | ,226                            | 76 | ,000              | ,864         | 76 | ,000 |

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

a. Lilliefors Significance Correction

## Age (years)

### Stem-and-Leaf Plots

Age (years) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem & Leaf |
|-----------|-------------|
| 2,00      | 2 . 33      |
| ,00       | 2 .         |
| 3,00      | 3 . 133     |
| 2,00      | 3 . 99      |
| 6,00      | 4 . 001124  |
| 2,00      | 4 . 69      |
| 5,00      | 5 . 00024   |
| 2,00      | 5 . 79      |
| 6,00      | 6 . 112234  |

|      |     |        |
|------|-----|--------|
| 6,00 | 6 . | 555667 |
| 5,00 | 7 . | 11144  |
| 1,00 | 7 . | 8      |

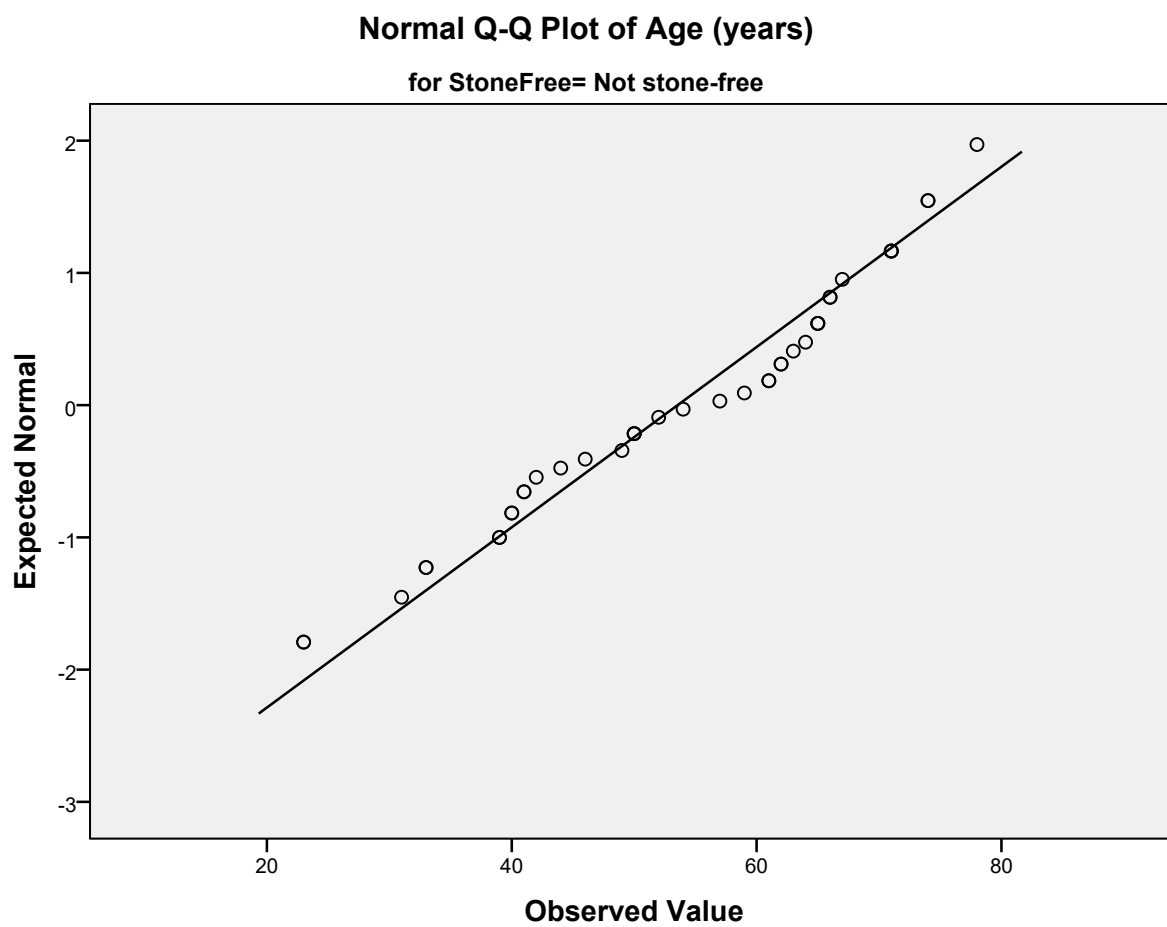
Stem width: 10  
Each leaf: 1 case(s)

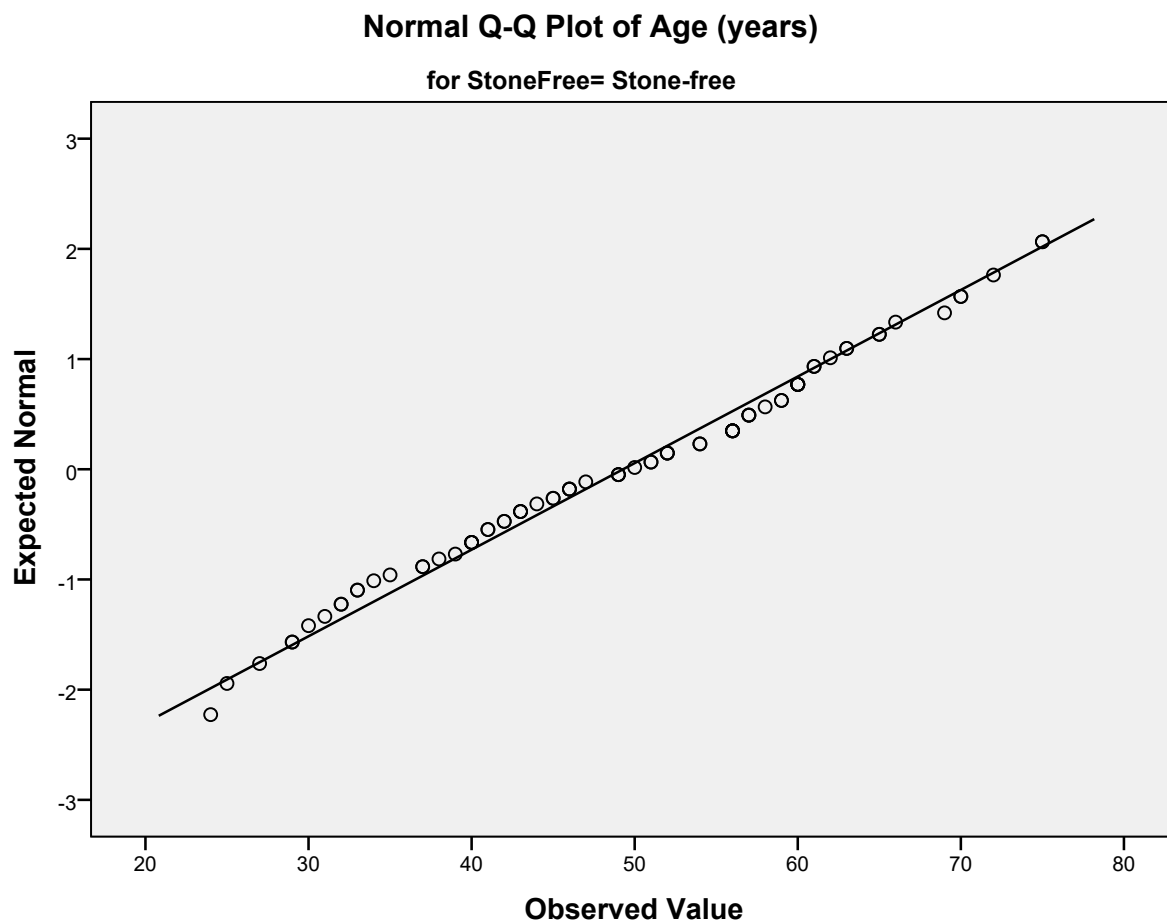
Age (years) Stem-and-Leaf Plot for  
StoneFree= Stone-free

| Frequency | Stem & | Leaf                  |
|-----------|--------|-----------------------|
| 5,00      | 2 .    | 45799                 |
| 12,00     | 3 .    | 012233457789          |
| 21,00     | 4 .    | 000011223334556667999 |
| 19,00     | 5 .    | 0112224466666777899   |
| 14,00     | 6 .    | 00000112335569        |
| 5,00      | 7 .    | 00255                 |

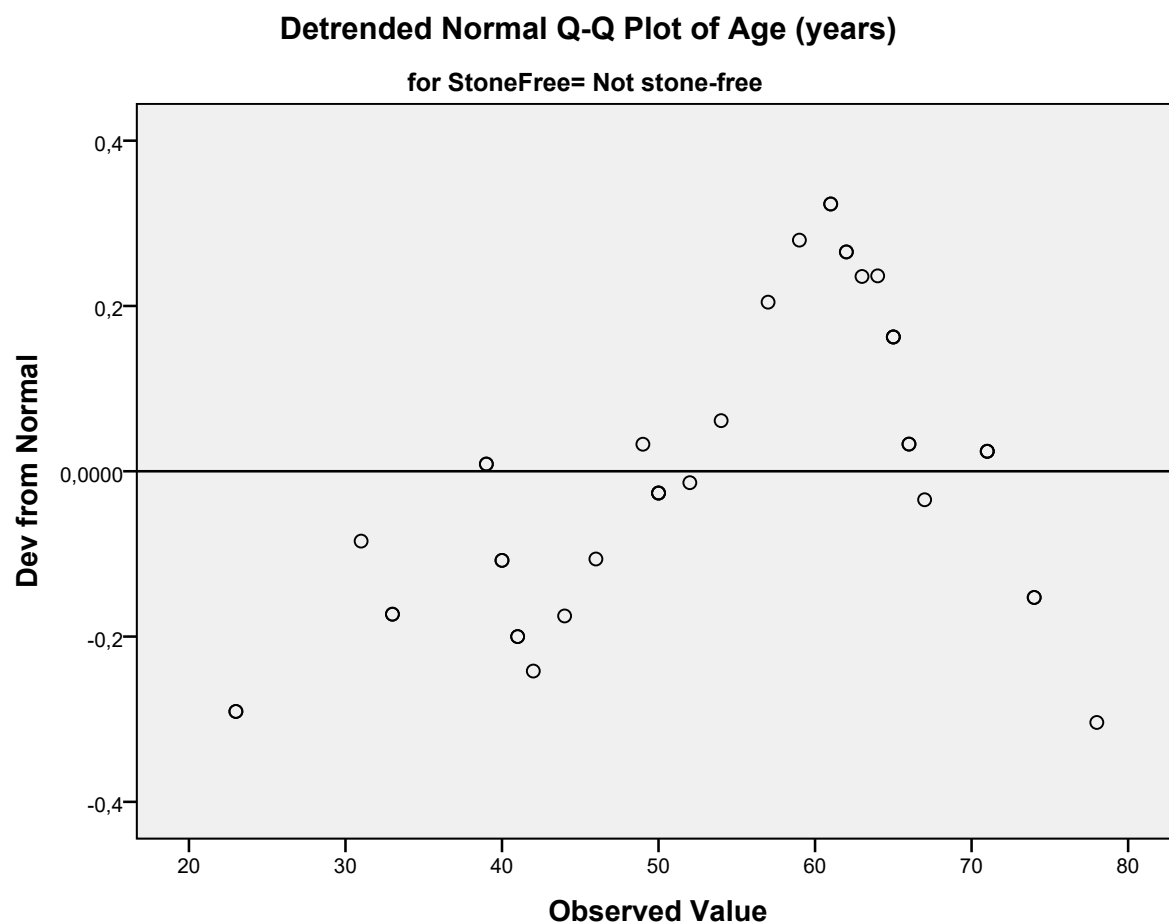
Stem width: 10  
Each leaf: 1 case(s)

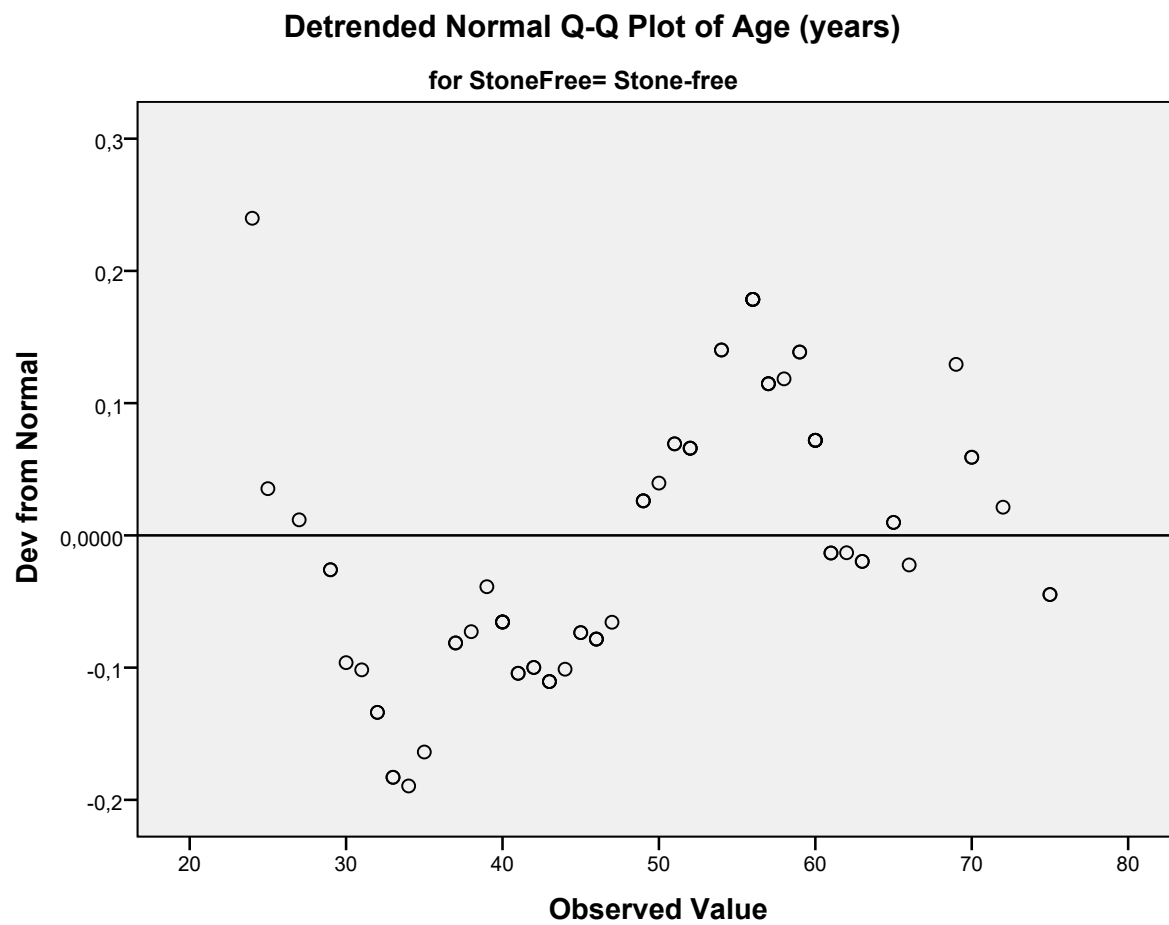
## Normal Q-Q Plots

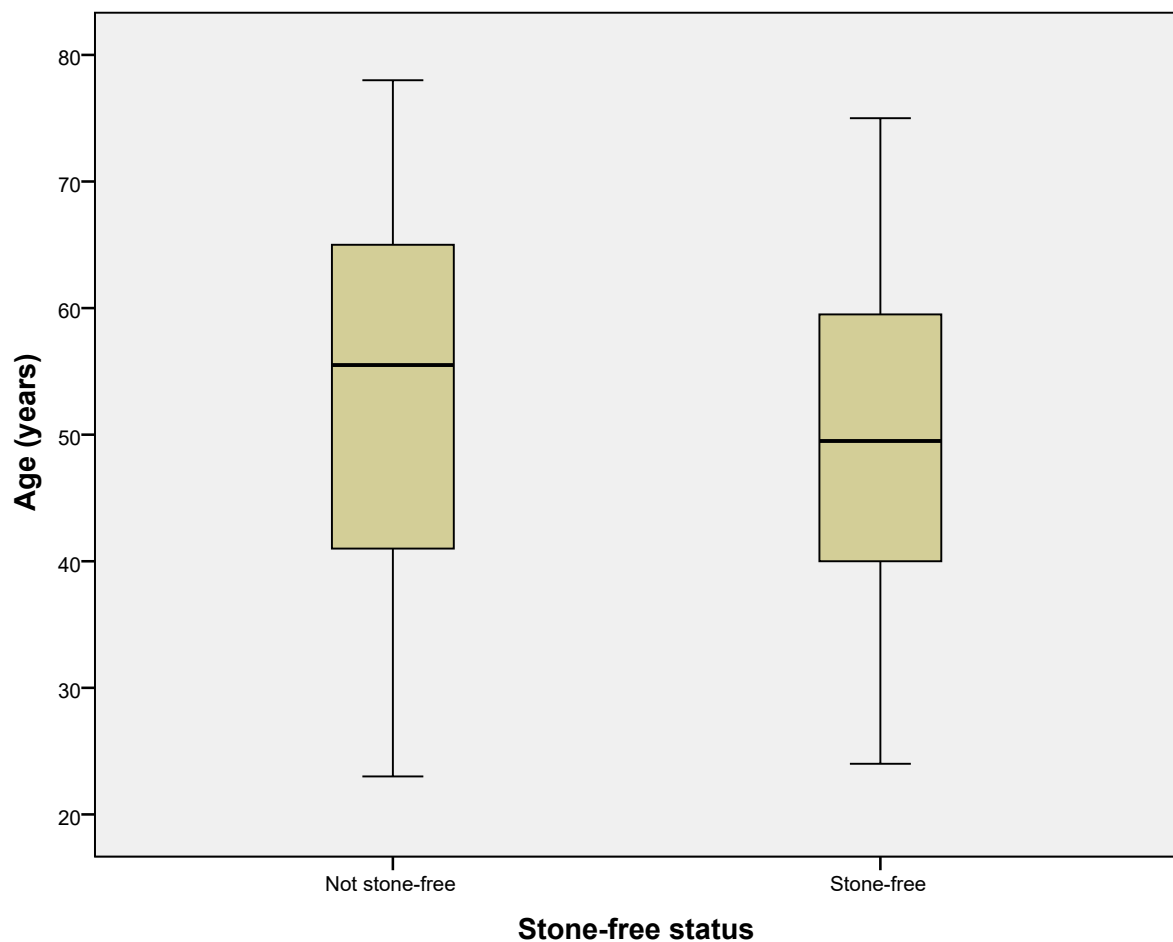




### Detrended Normal Q-Q Plots







## Stone length (mm)

### Stem-and-Leaf Plots

Stone length (mm) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem & | Leaf    |
|-----------|--------|---------|
| 1,00      | 10 .   | 0       |
| ,00       | 11 .   |         |
| 2,00      | 12 .   | 00      |
| ,00       | 13 .   |         |
| 7,00      | 14 .   | 0000000 |
| 7,00      | 15 .   | 0000000 |
| 3,00      | 16 .   | 000     |
| 7,00      | 17 .   | 0000000 |
| 6,00      | 18 .   | 000000  |
| 5,00      | 19 .   | 00000   |
| 2,00      | 20 .   | 00      |

```

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

```

Stone length (mm) Stem-and-Leaf Plot for  
StoneFree= Stone-free

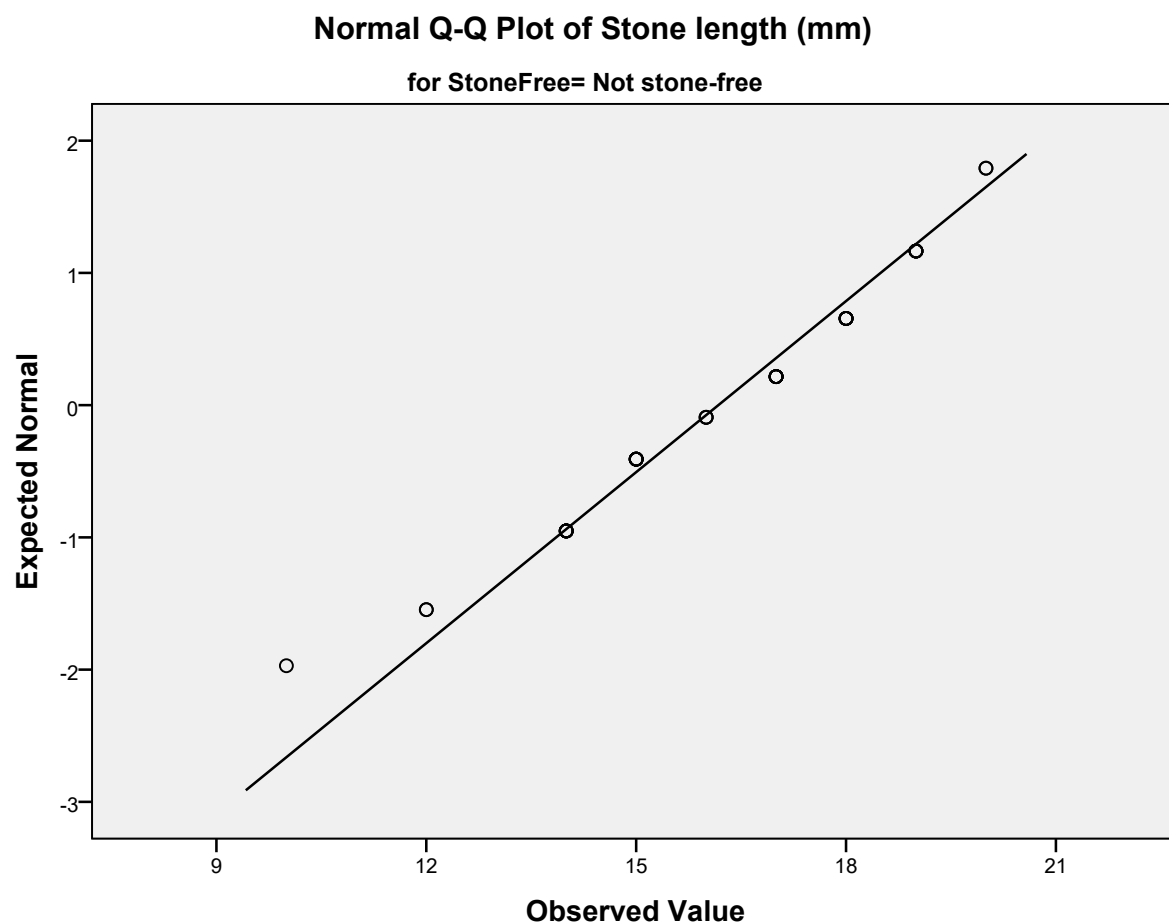
| Frequency | Stem & | Leaf                               |
|-----------|--------|------------------------------------|
| ,00       | 0 .    |                                    |
| 17,00     | 0 .    | 577777888899999999                 |
| 33,00     | 1 .    | 0001111222222222222233333333333444 |
| 25,00     | 1 .    | 5555556666777777888889999          |
| 1,00      | 2 .    | 0                                  |

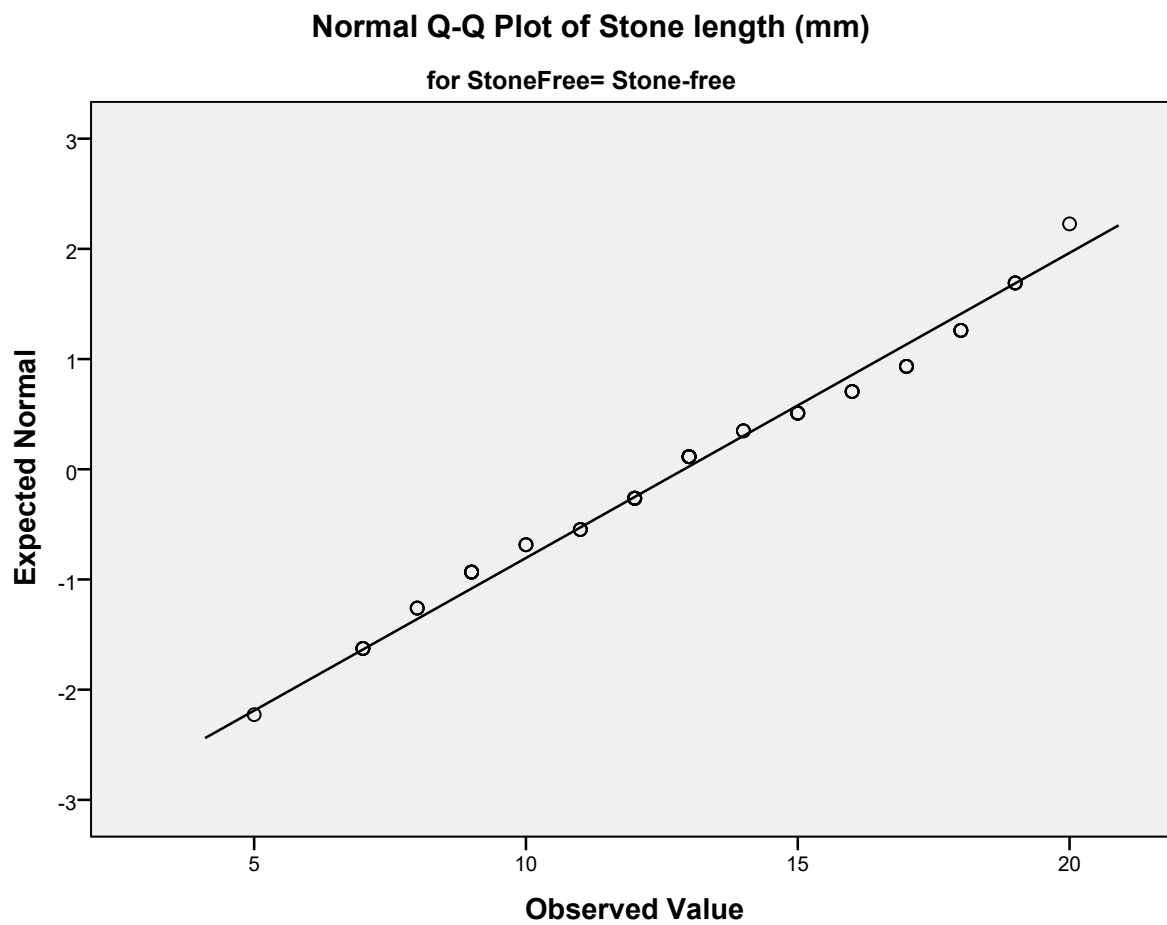
```

Stem width:      10
Each leaf:      1 case(s)

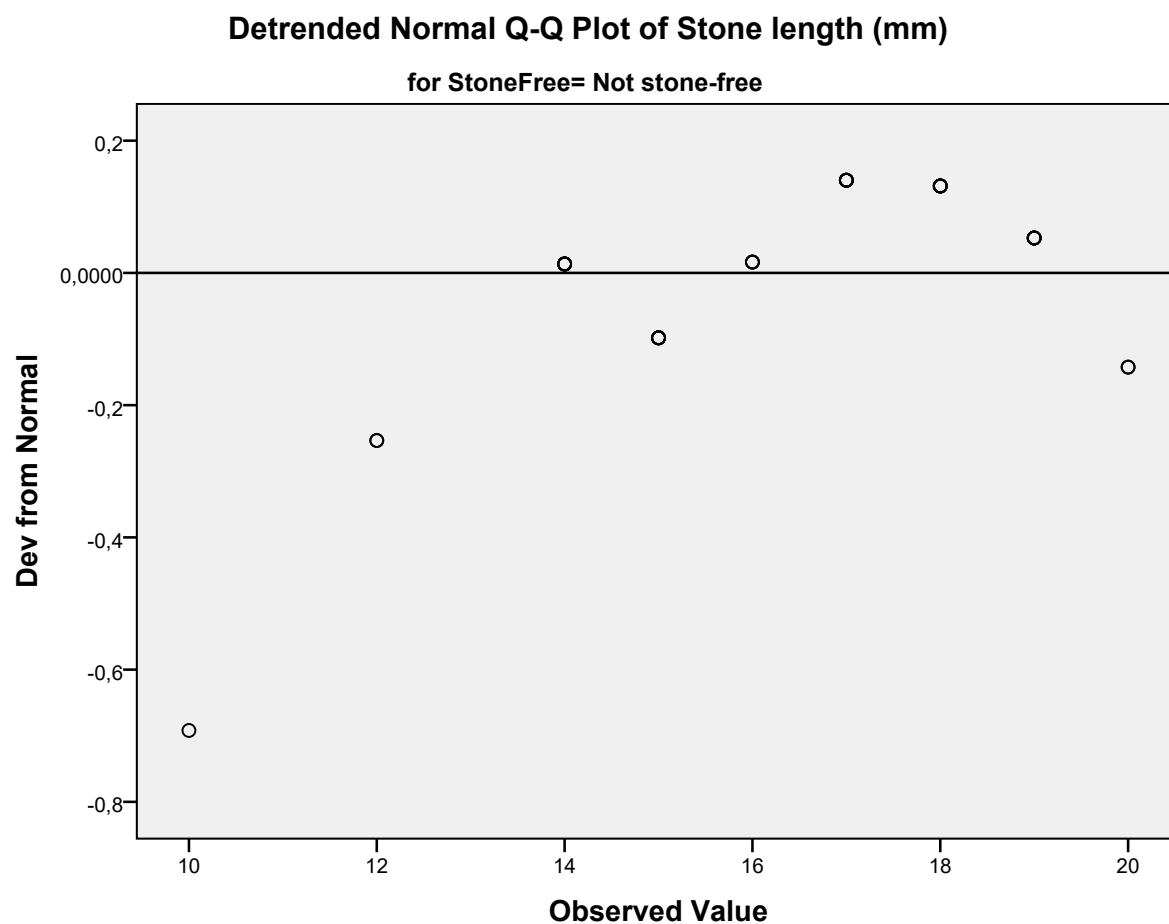
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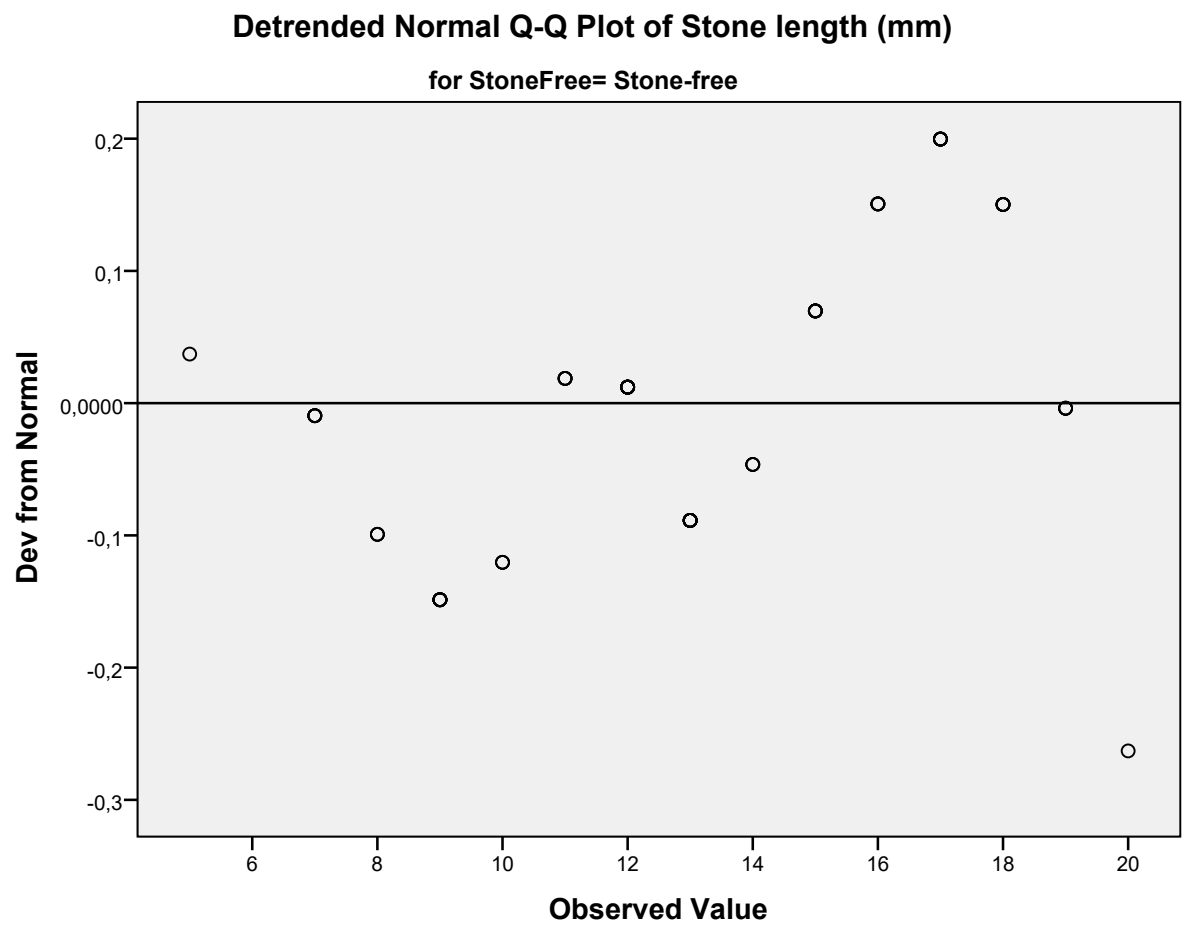
## Normal Q-Q Plots

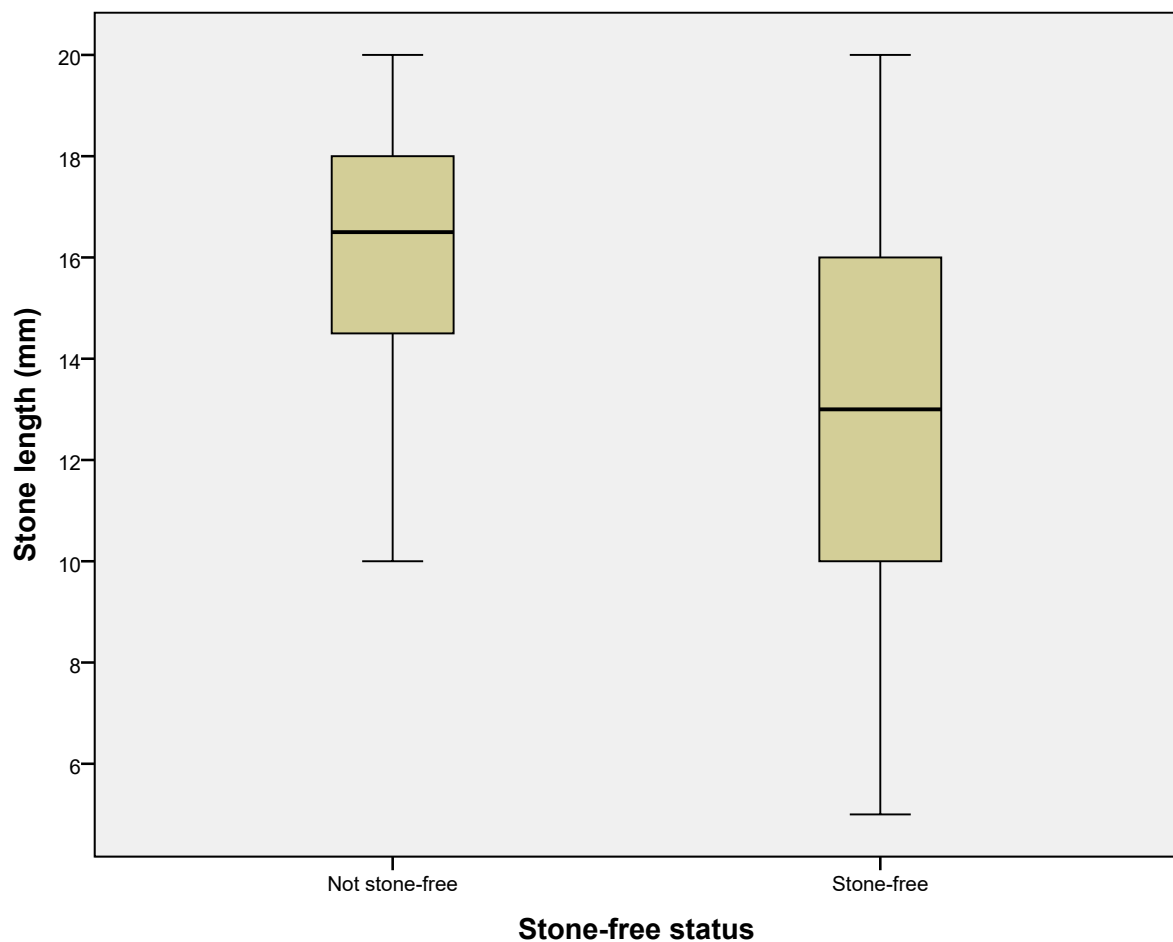




## Detrended Normal Q-Q Plots







## Stone width (mm)

### Stem-and-Leaf Plots

Stone width (mm) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem & | Leaf        |
|-----------|--------|-------------|
| ,00       | 0 .    |             |
| 1,00      | 0 .    | 4           |
| 3,00      | 0 .    | 777         |
| 5,00      | 0 .    | 88999       |
| 8,00      | 1 .    | 00001111    |
| 12,00     | 1 .    | 22222223333 |
| 9,00      | 1 .    | 444445555   |
| 2,00      | 1 .    | 67          |

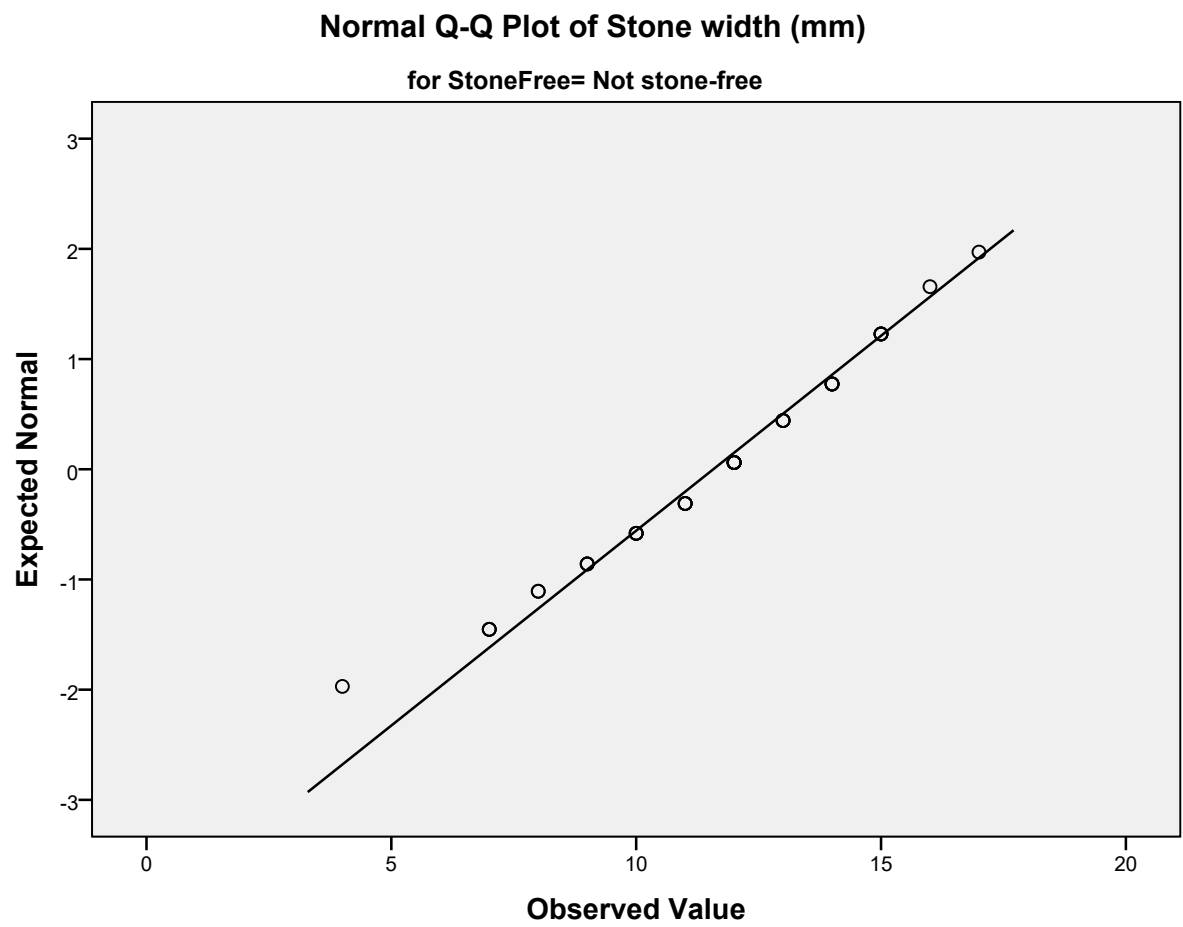
Stem width: 10  
Each leaf: 1 case(s)

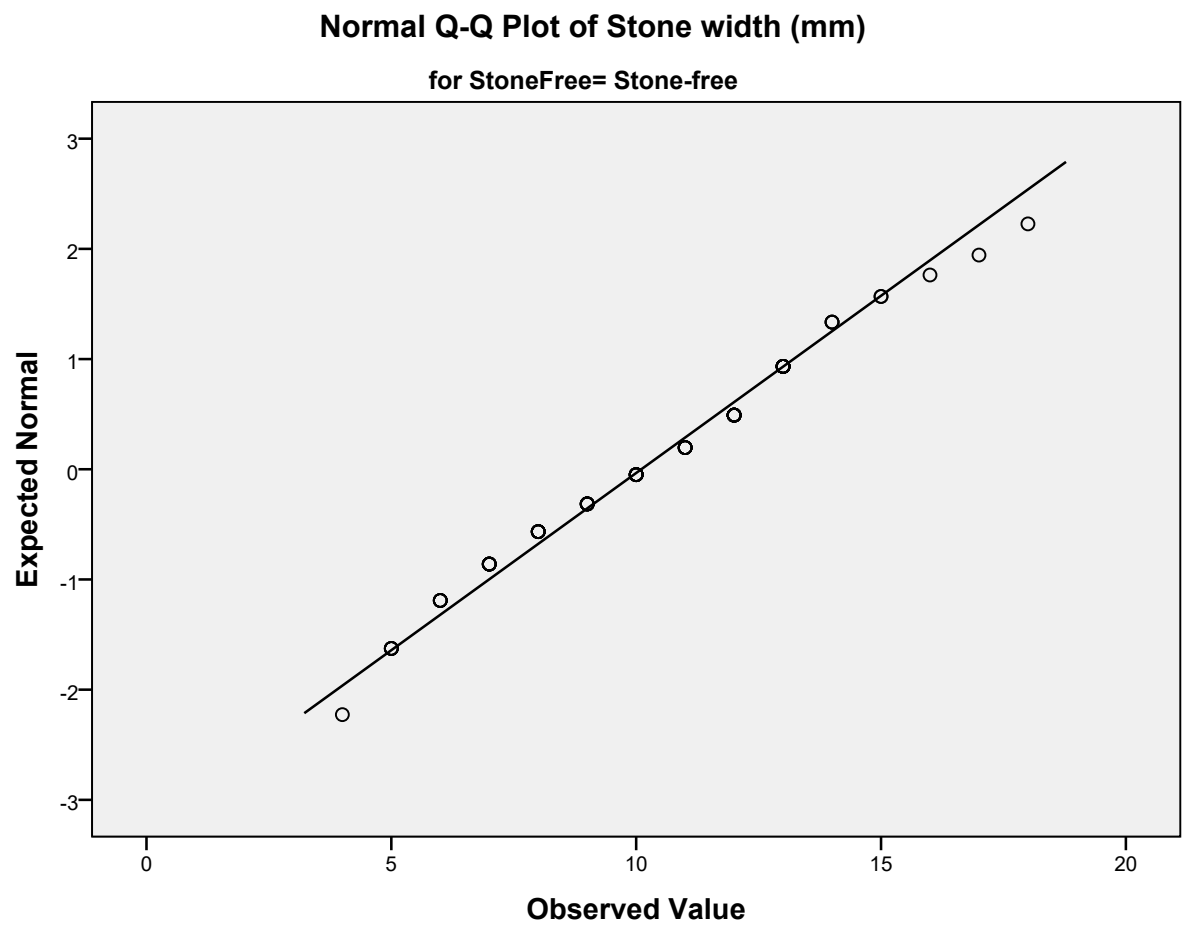
Stone width (mm) Stem-and-Leaf Plot for  
StoneFree= Stone-free

| Frequency | Stem & | Leaf                 |
|-----------|--------|----------------------|
| ,00       | 0 .    |                      |
| 6,00      | 0 .    | 455555               |
| 12,00     | 0 .    | 666667777777         |
| 14,00     | 0 .    | 88888889999999       |
| 15,00     | 1 .    | 000000000111111      |
| 21,00     | 1 .    | 22222222222333333333 |
| 5,00      | 1 .    | 44455                |
| 2,00      | 1 .    | 67                   |
| 1,00      | 1 .    | 8                    |

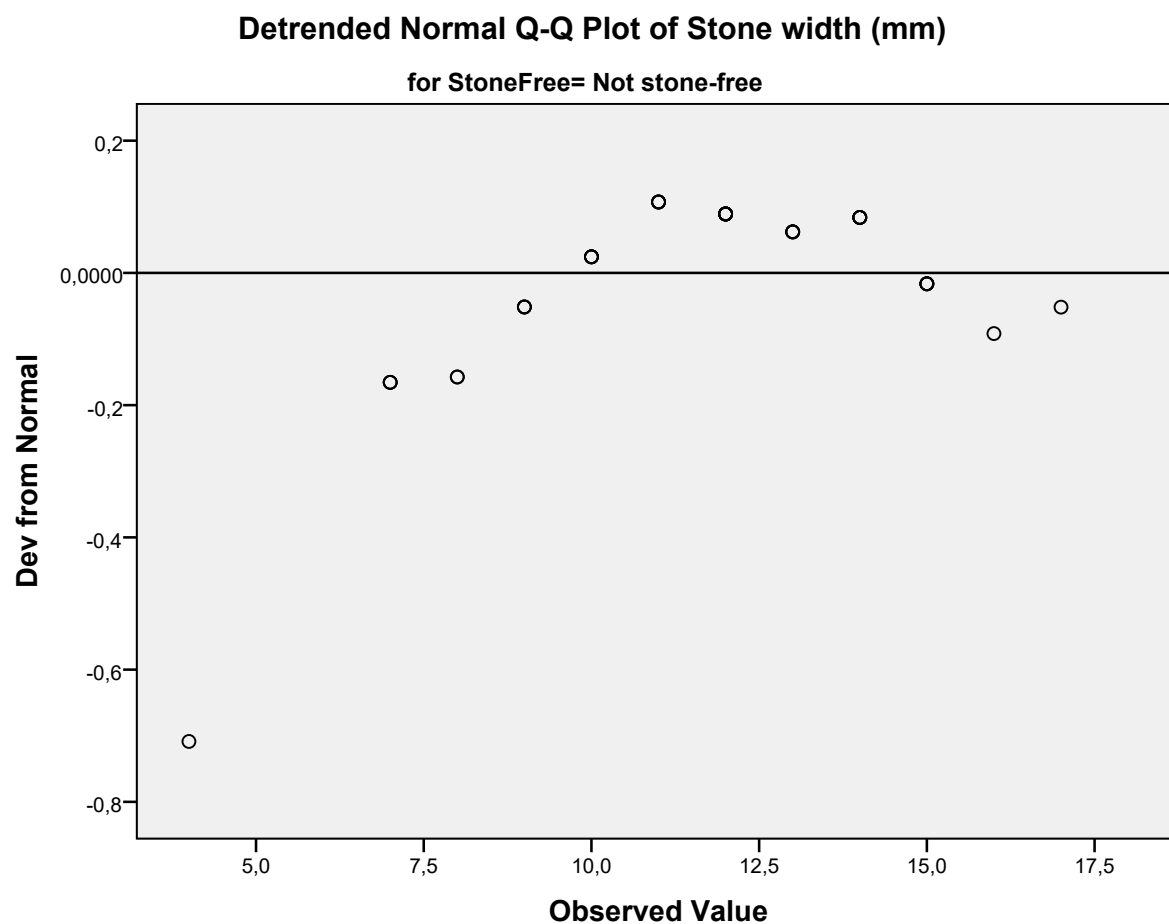
Stem width: 10  
Each leaf: 1 case(s)

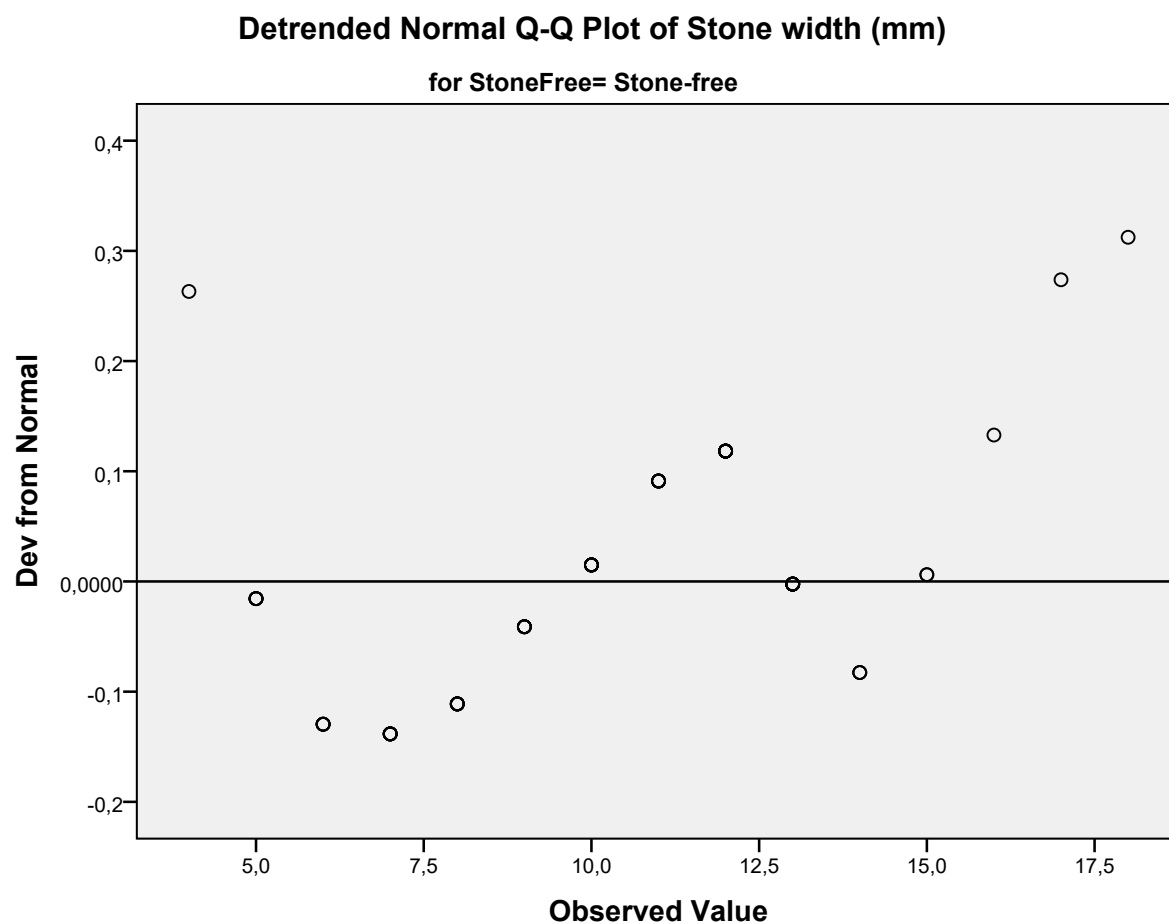
## Normal Q-Q Plots

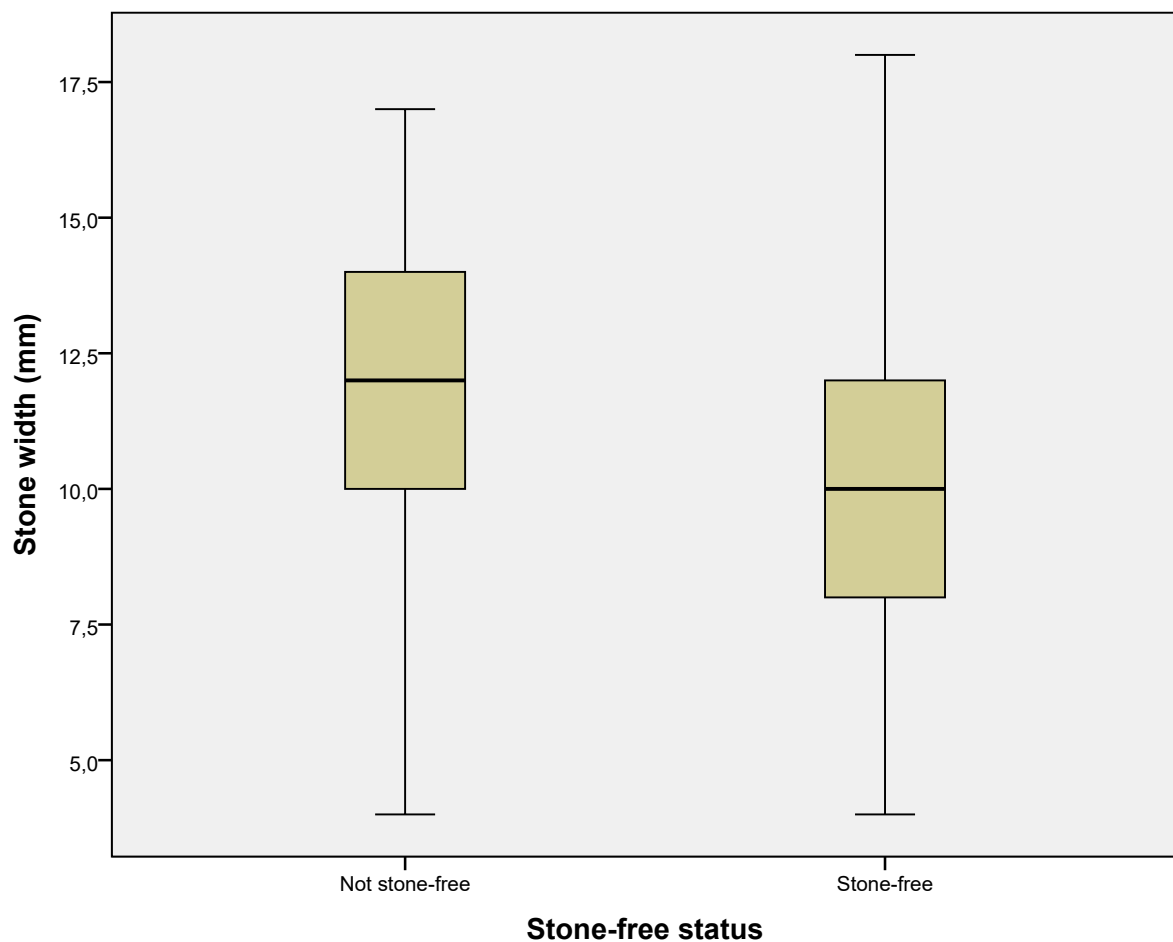




### Detrended Normal Q-Q Plots







## Stone height (mm)

### Stem-and-Leaf Plots

Stone height (mm) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem & | Leaf    |
|-----------|--------|---------|
| 5,00      | 7 .    | 00000   |
| 4,00      | 8 .    | 0000    |
| 6,00      | 9 .    | 000000  |
| 3,00      | 10 .   | 000     |
| 5,00      | 11 .   | 00000   |
| 4,00      | 12 .   | 0000    |
| 2,00      | 13 .   | 00      |
| 7,00      | 14 .   | 0000000 |
| 2,00      | 15 .   | 00      |
| 2,00      | 16 .   | 00      |

Stem width: 1

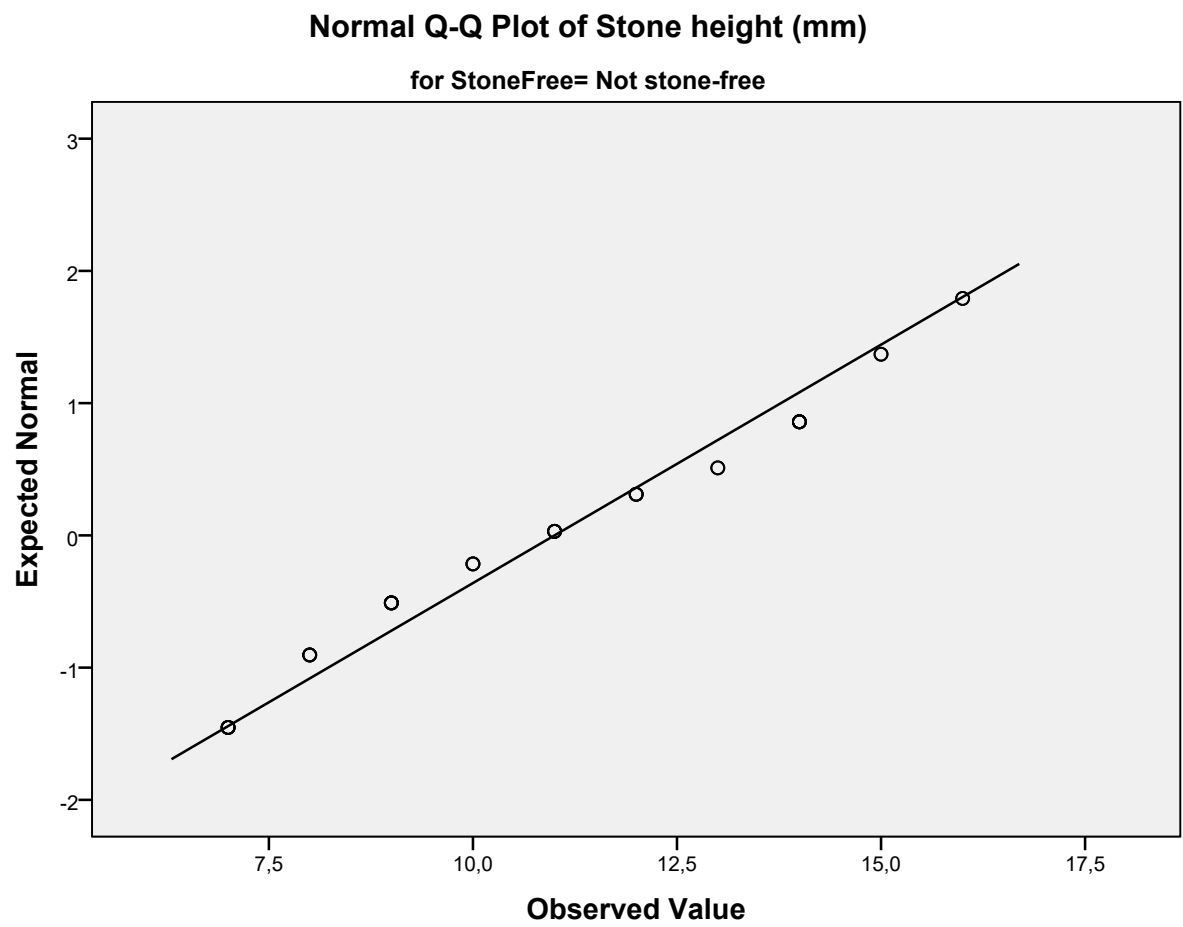
Each leaf: 1 case(s)

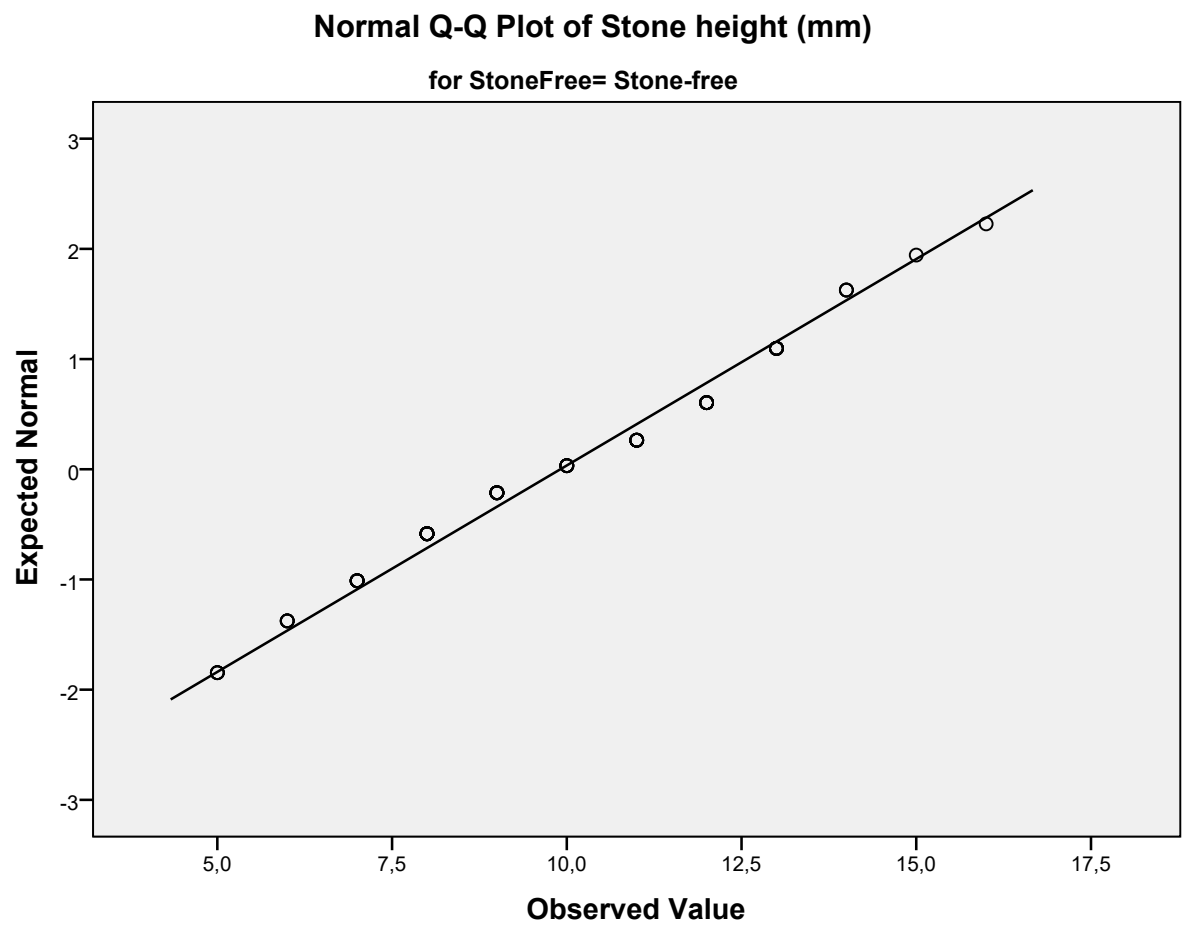
Stone height (mm) Stem-and-Leaf Plot for  
StoneFree= Stone-free

| Frequency | Stem & | Leaf                 |
|-----------|--------|----------------------|
| 4,00      | 0 .    | 5555                 |
| 11,00     | 0 .    | 666677777777         |
| 21,00     | 0 .    | 88888888888899999999 |
| 14,00     | 1 .    | 00000011111111       |
| 21,00     | 1 .    | 22222222222333333333 |
| 4,00      | 1 .    | 4445                 |
| 1,00      | 1 .    | 6                    |

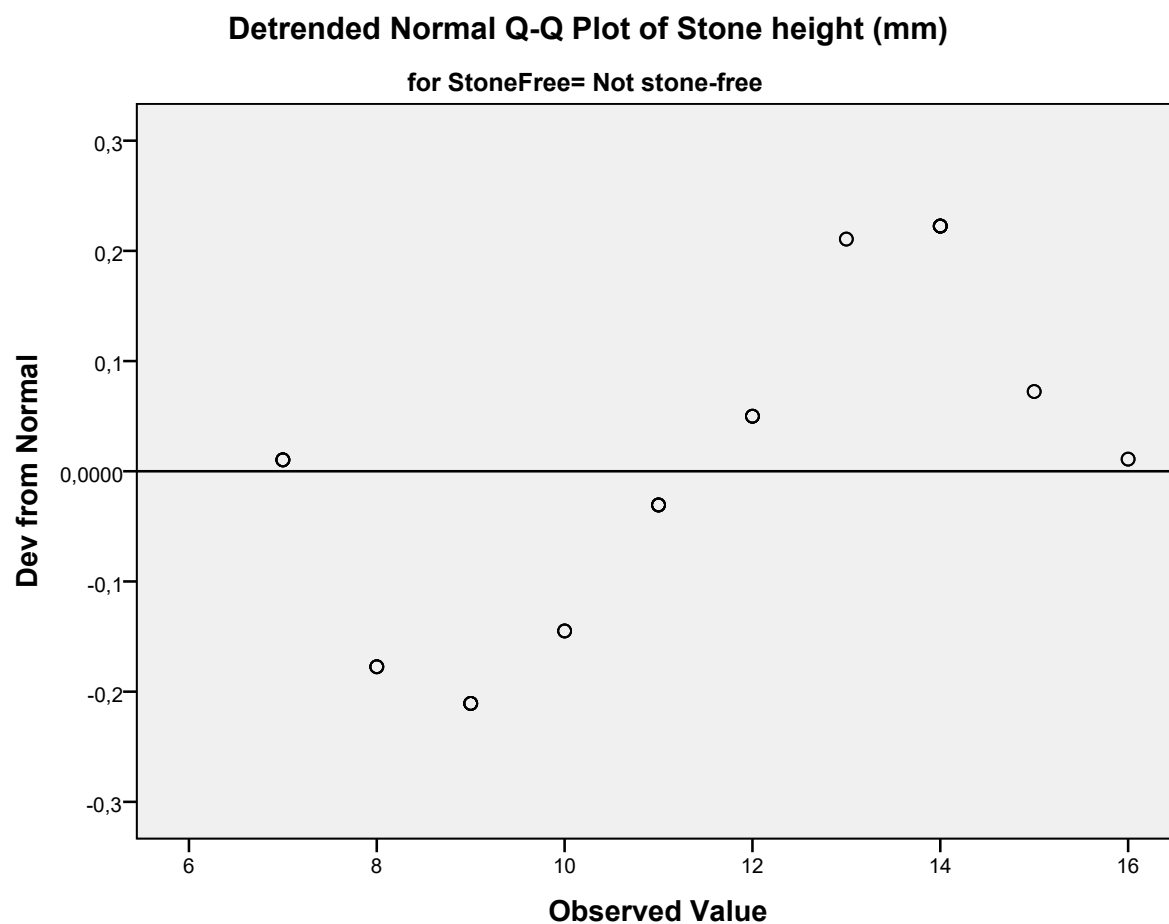
Stem width: 10  
Each leaf: 1 case(s)

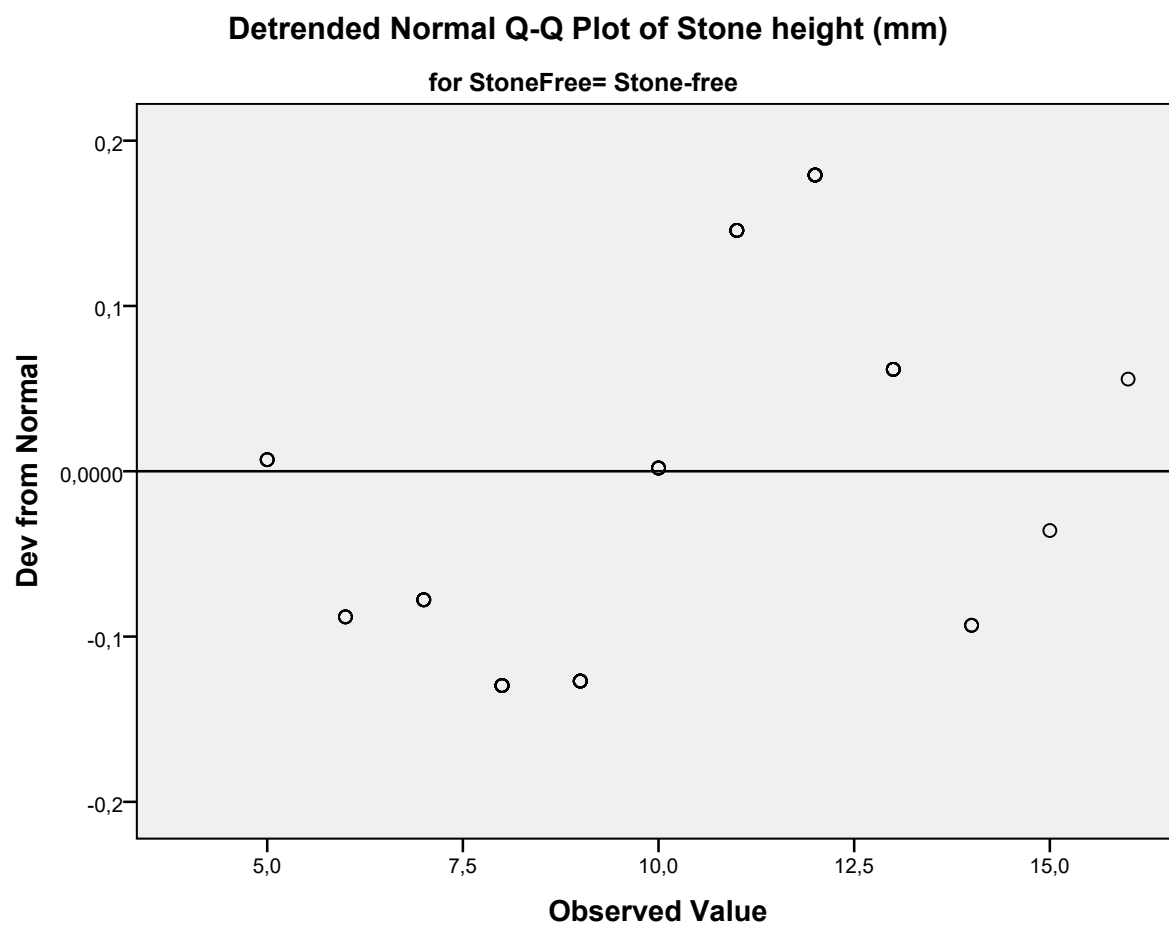
## Normal Q-Q Plots

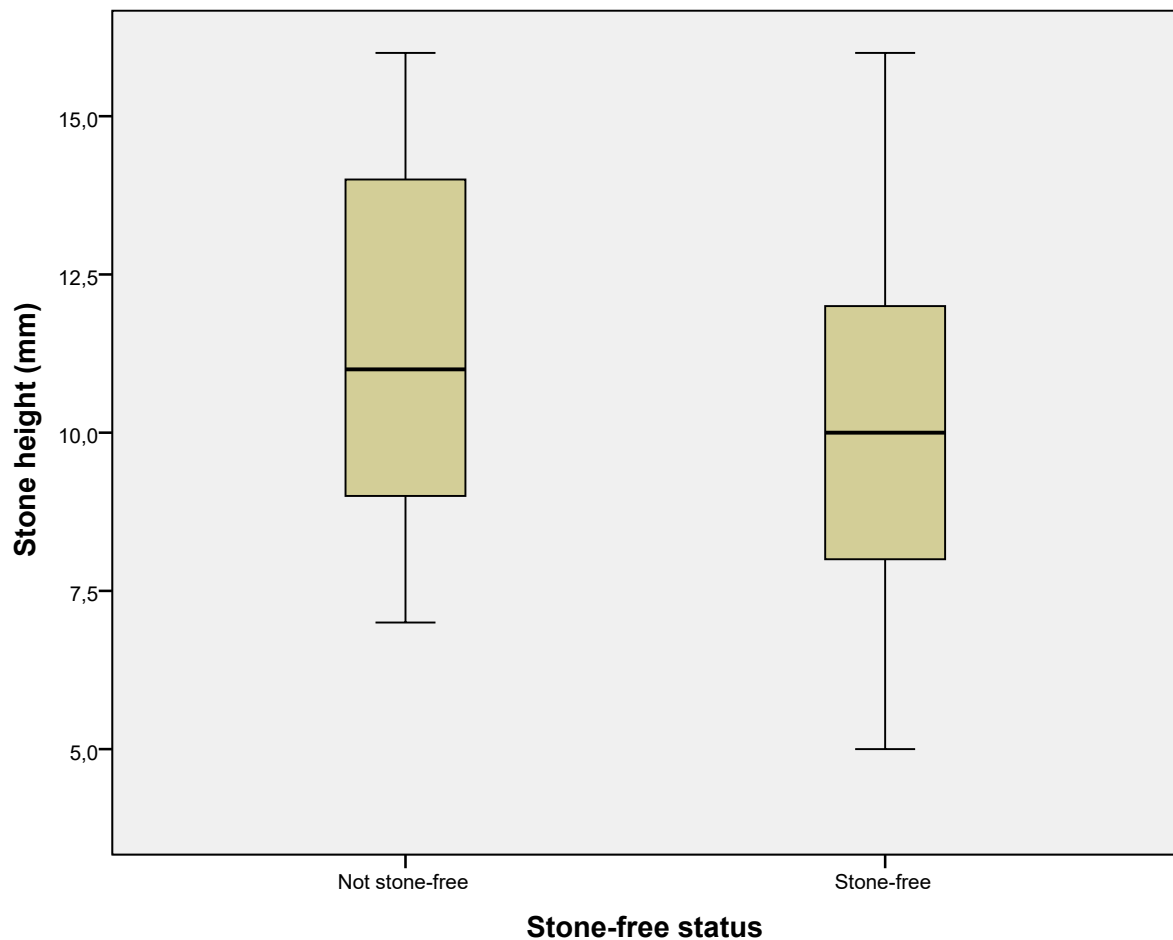




### Detrended Normal Q-Q Plots







## Stone volume (mm<sup>3</sup>)

### Stem-and-Leaf Plots

Stone volume (mm<sup>3</sup>) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem & | Leaf        |
|-----------|--------|-------------|
| 1,00      | 0 .    | 3           |
| 3,00      | 0 .    | 445         |
| 5,00      | 0 .    | 66677       |
| 9,00      | 0 .    | 888999999   |
| 11,00     | 1 .    | 00000011111 |
| 3,00      | 1 .    | 233         |
| ,00       | 1 .    |             |
| 8,00      | 1 .    | 66667777    |

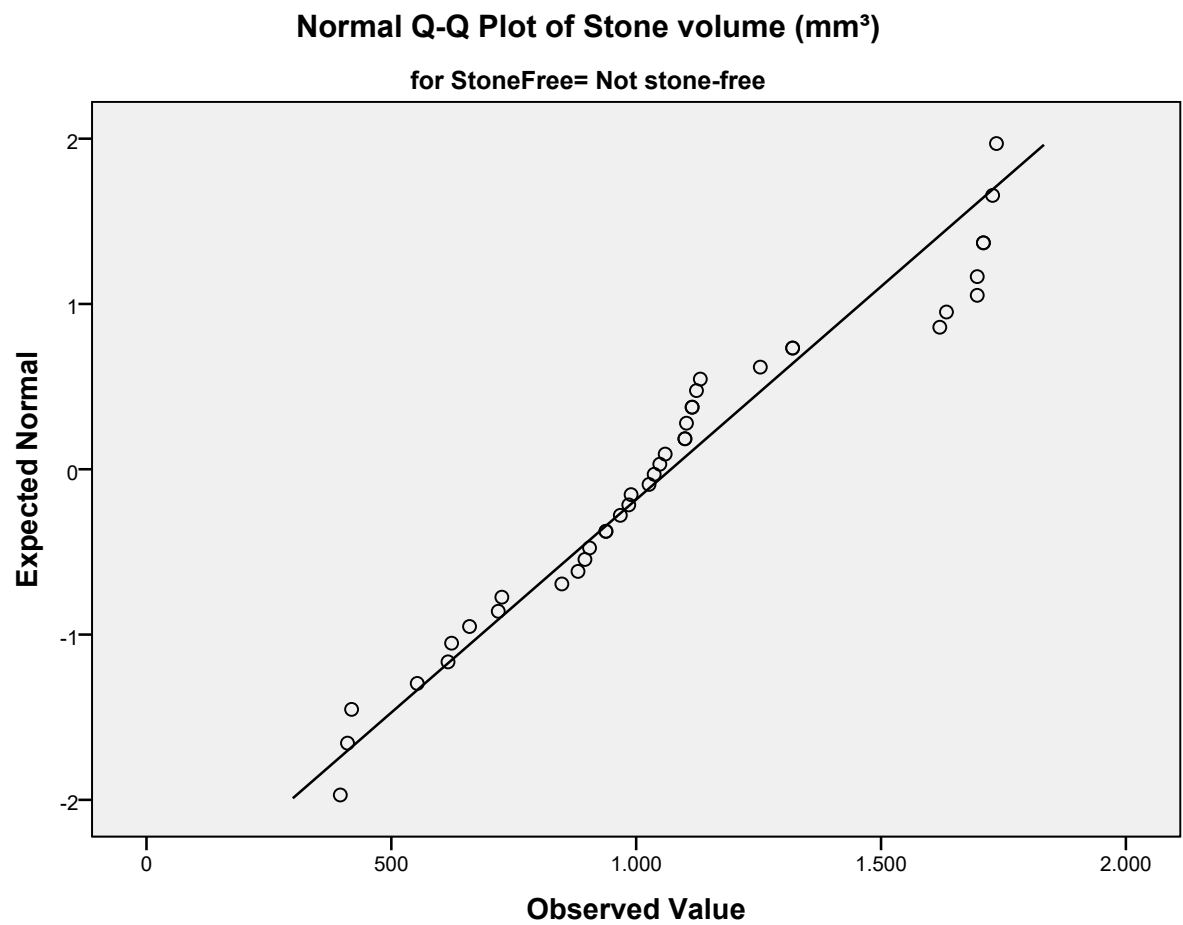
Stem width: 1000,00  
Each leaf: 1 case(s)

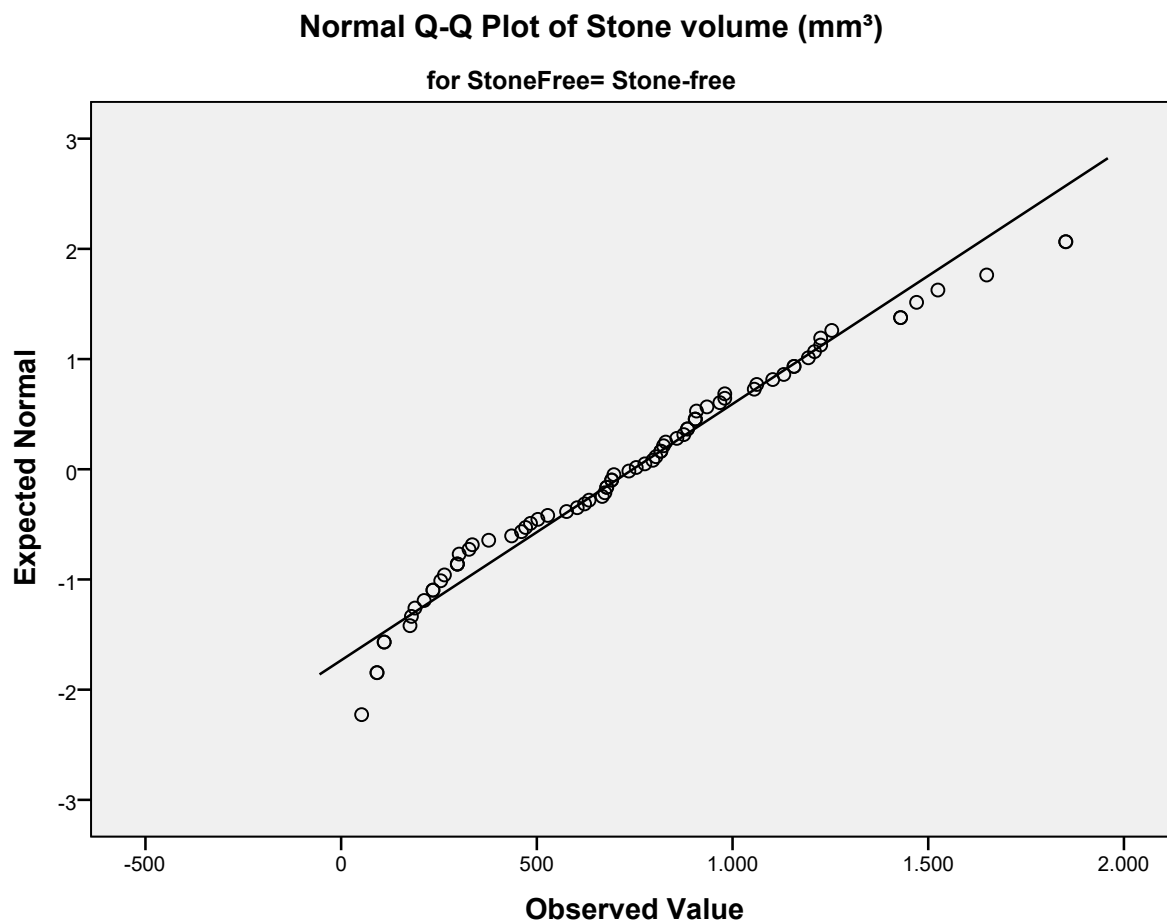
Stone volume (mm<sup>3</sup>) Stem-and-Leaf Plot for  
StoneFree= Stone-free

| Frequency | Stem & | Leaf               |
|-----------|--------|--------------------|
| 8,00      | 0 .    | 00011111           |
| 12,00     | 0 .    | 222222223333       |
| 7,00      | 0 .    | 4444555            |
| 14,00     | 0 .    | 66666666667777     |
| 17,00     | 0 .    | 888888888899999999 |
| 7,00      | 1 .    | 00111111           |
| 4,00      | 1 .    | 2222               |
| 4,00      | 1 .    | 4445               |
| 1,00      | 1 .    | 6                  |
| 2,00      | 1 .    | 88                 |

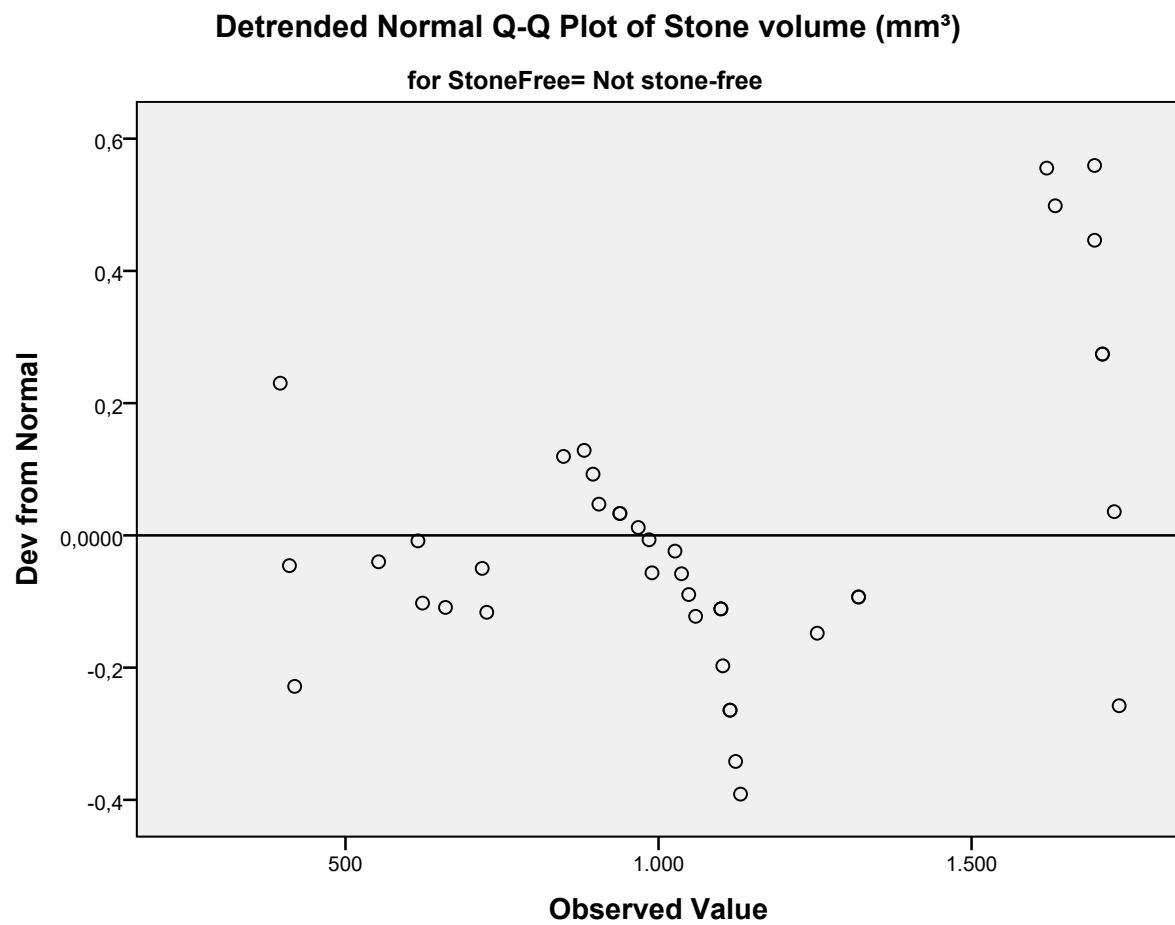
Stem width: 1000,00  
Each leaf: 1 case(s)

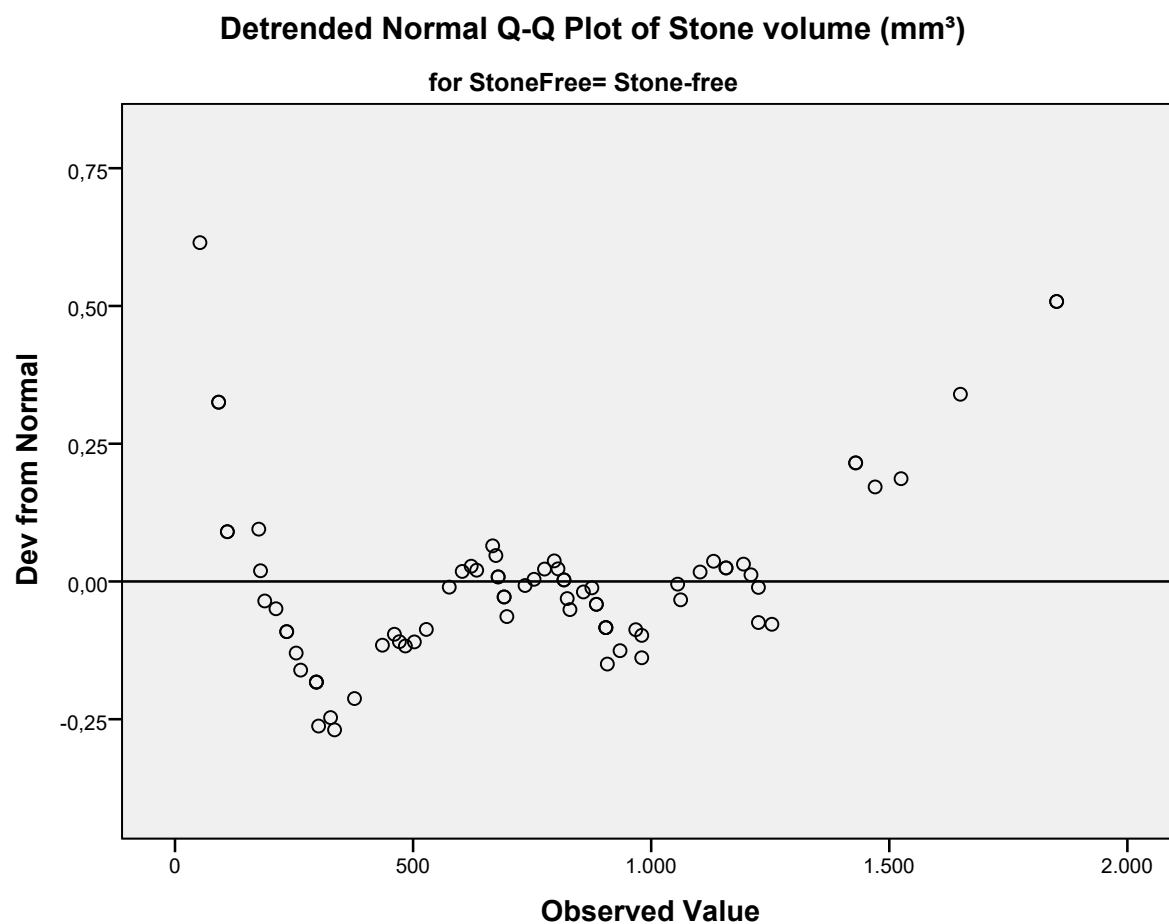
## Normal Q-Q Plots

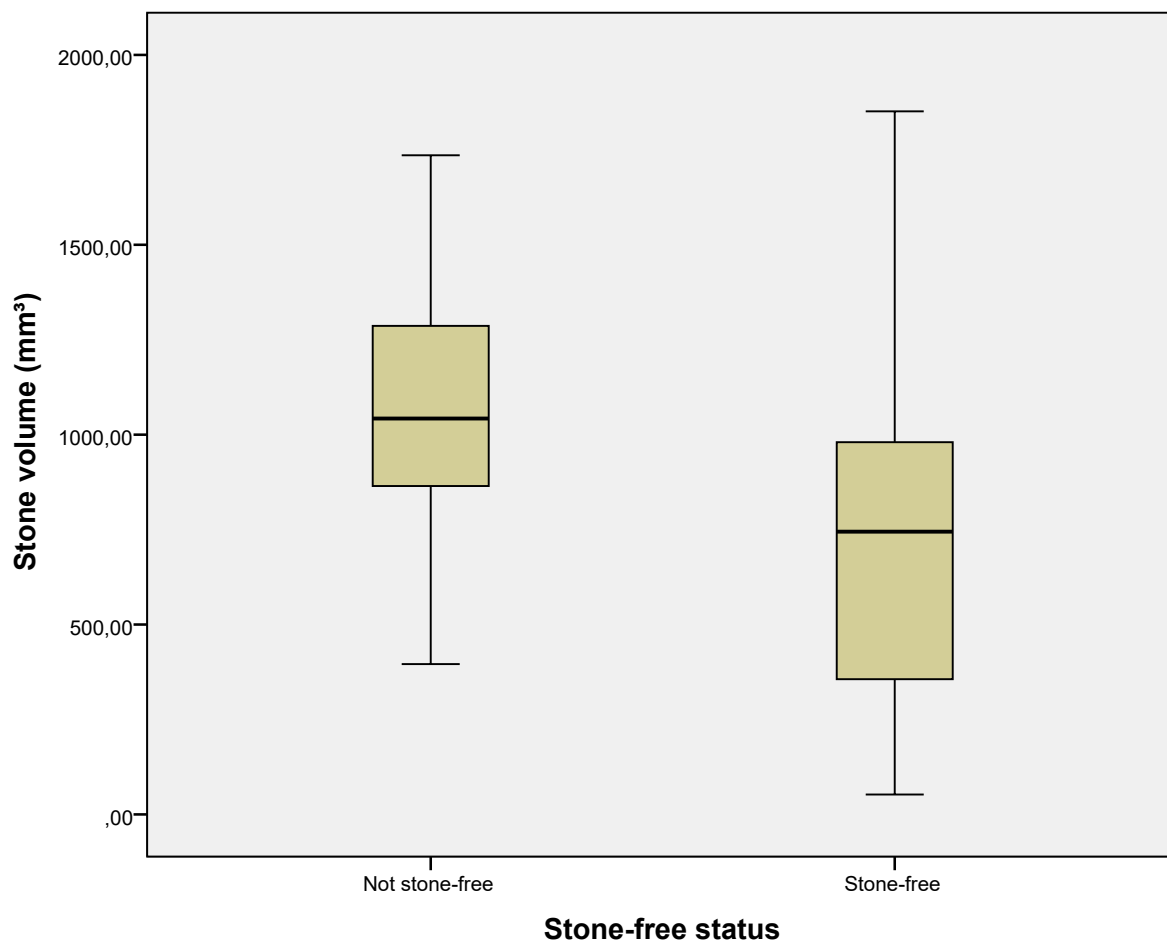




### Detrended Normal Q-Q Plots







## Stone density (HU)

### Stem-and-Leaf Plots

Stone density (HU) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem &   | Leaf    |
|-----------|----------|---------|
| 1,00      | Extremes | (=<249) |
| 5,00      | 7 .      | 25578   |
| 7,00      | 8 .      | 1237799 |
| 3,00      | 9 .      | 156     |
| 4,00      | 10 .     | 0012    |
| 7,00      | 11 .     | 3335799 |
| 5,00      | 12 .     | 14566   |
| 1,00      | 13 .     | 0       |
| 4,00      | 14 .     | 0236    |
| 1,00      | 15 .     | 4       |
| 2,00      | 16 .     | 89      |

```

Stem width:      100
Each leaf:       1 case(s)

```

Stone density (HU) Stem-and-Leaf Plot for  
StoneFree= Stone-free

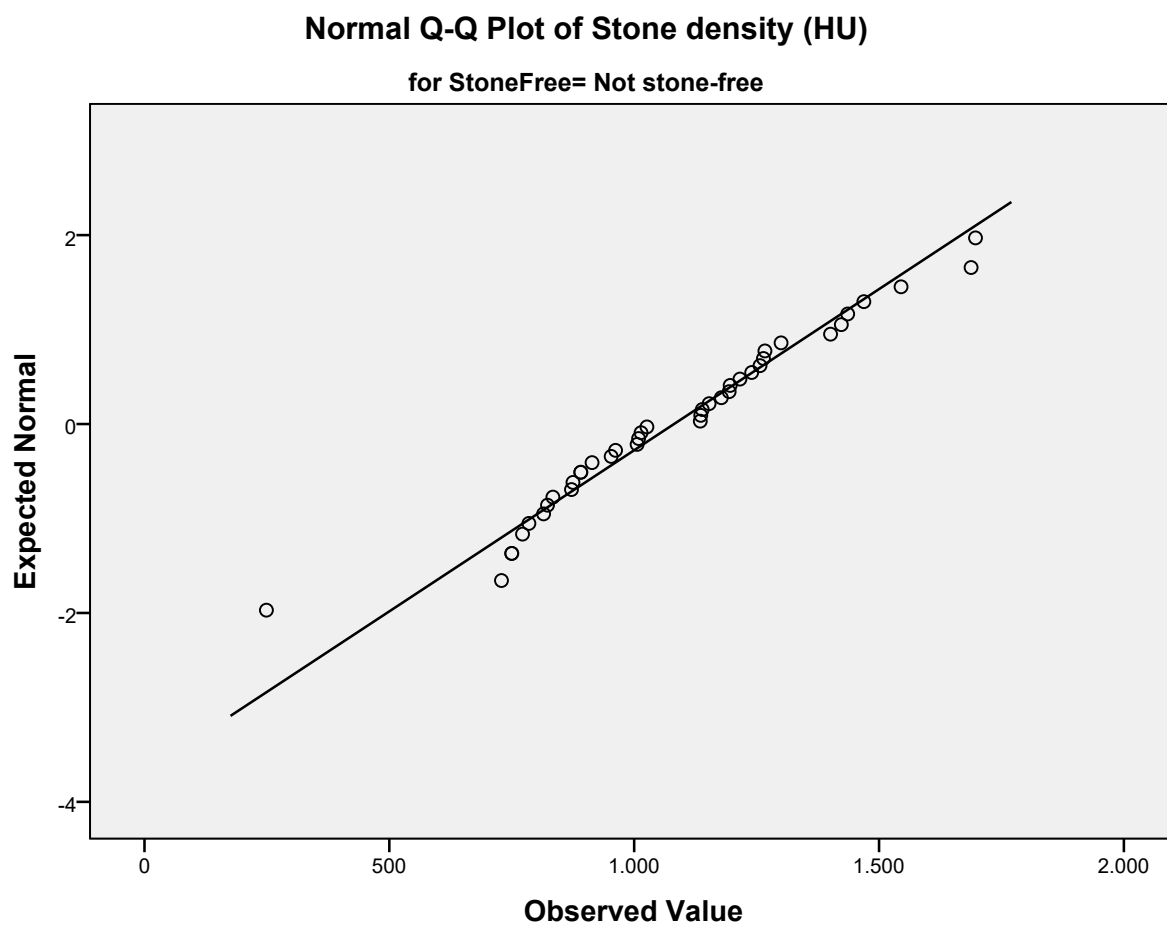
| Frequency | Stem & Leaf           |
|-----------|-----------------------|
| 3,00      | 0 . 223               |
| 10,00     | 0 . 4444555555        |
| 13,00     | 0 . 6666677777777     |
| 13,00     | 0 . 8888888899999     |
| 18,00     | 1 . 00000000011111111 |
| 8,00      | 1 . 22222333          |
| 8,00      | 1 . 44455555          |
| 3,00      | 1 . 677               |

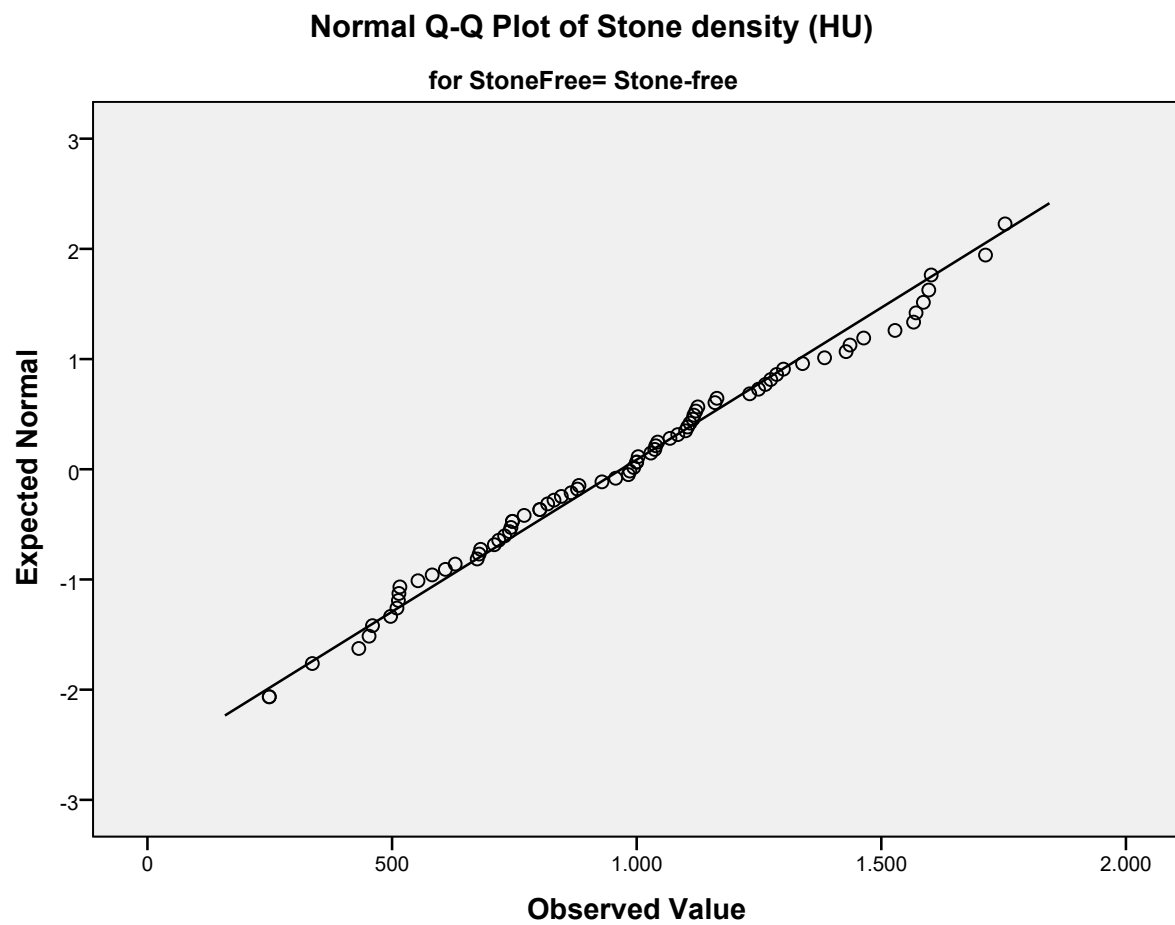
```

Stem width:      1000
Each leaf:       1 case(s)

```

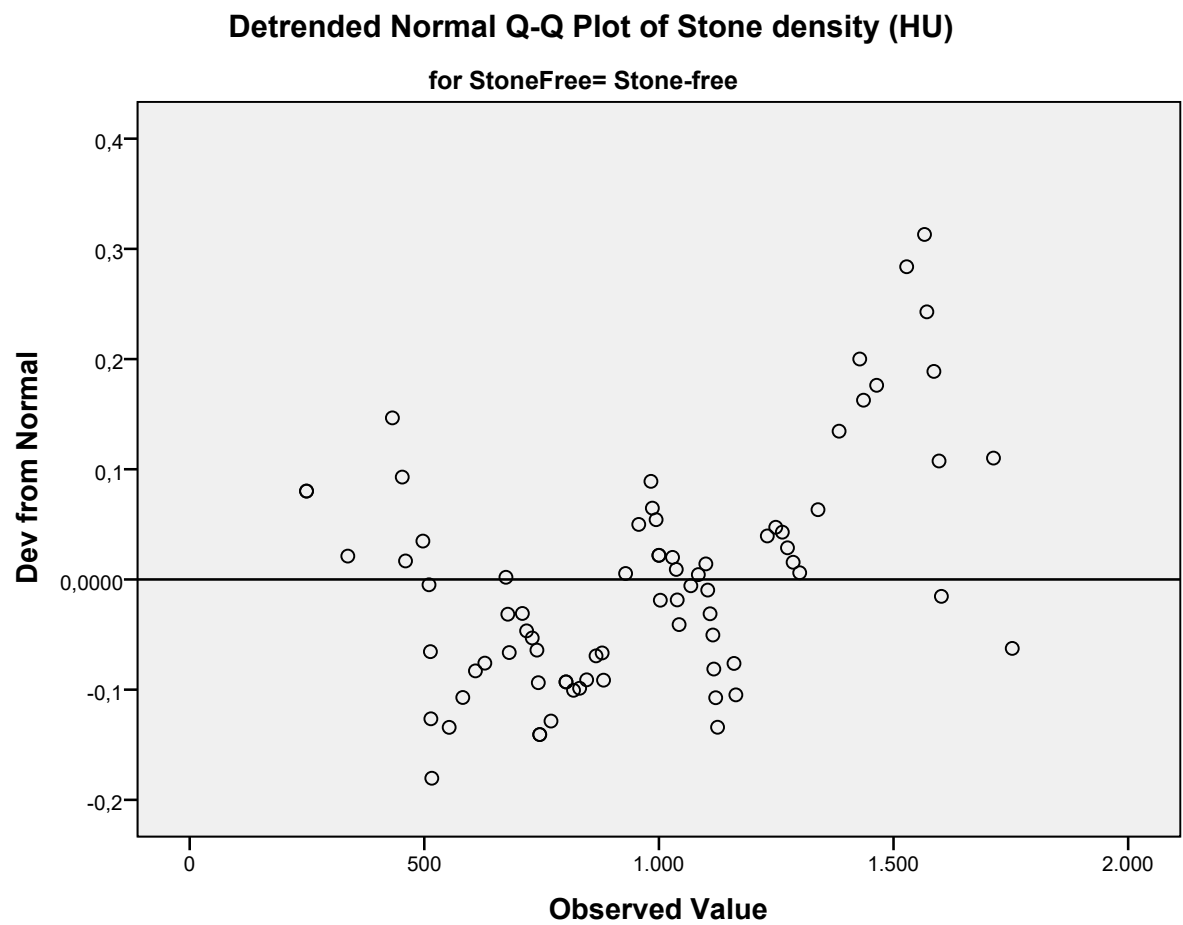
## Normal Q-Q Plots

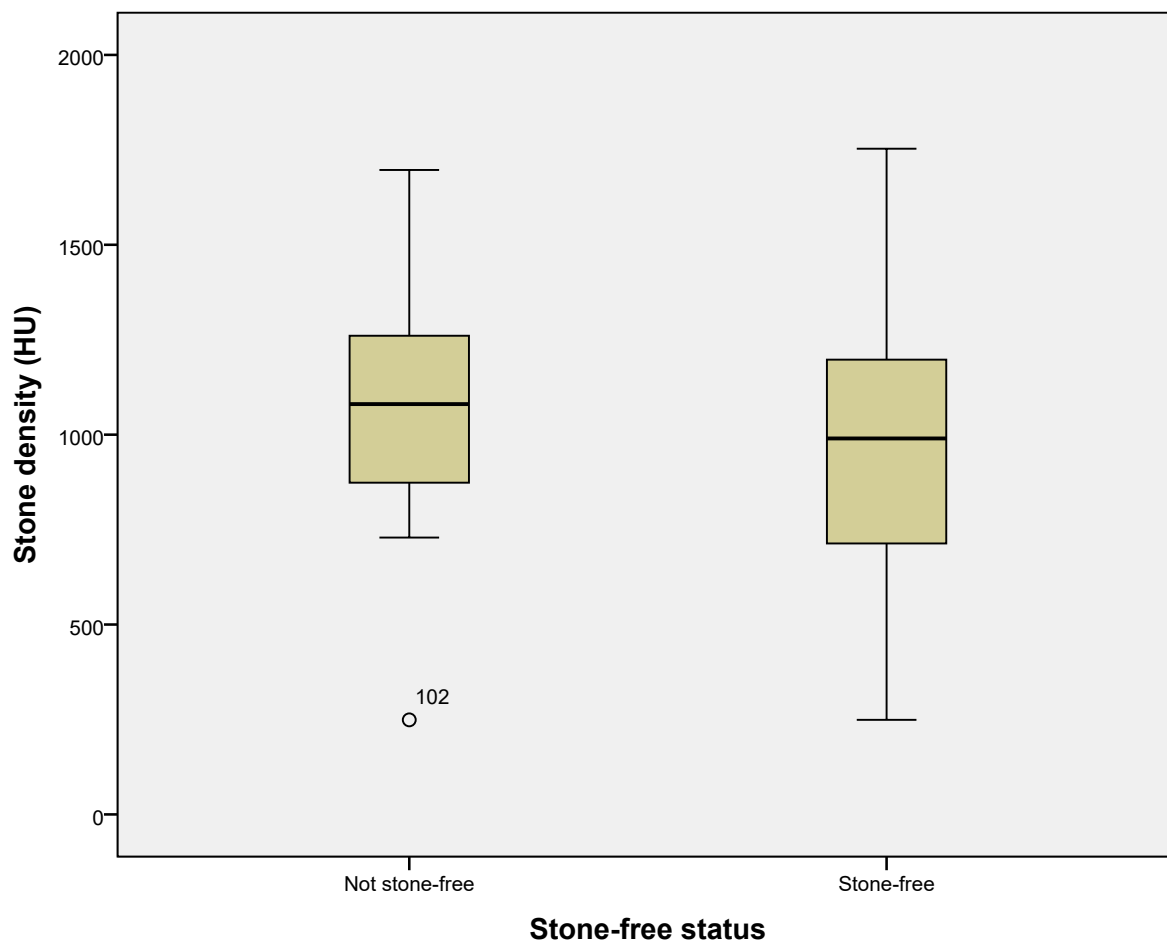




### Detrended Normal Q-Q Plots







## Elbahnasy angle (°)

### Stem-and-Leaf Plots

Elbahnasy angle (°) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem &   | Leaf              |
|-----------|----------|-------------------|
| 4,00      | 2 .      | 4699              |
| 5,00      | 3 .      | 01344             |
| 17,00     | 4 .      | 02222235566789999 |
| 4,00      | 5 .      | 0146              |
| 5,00      | 6 .      | 02669             |
| 3,00      | 7 .      | 016               |
| 1,00      | 8 .      | 2                 |
| 1,00      | Extremes | (>=84)            |

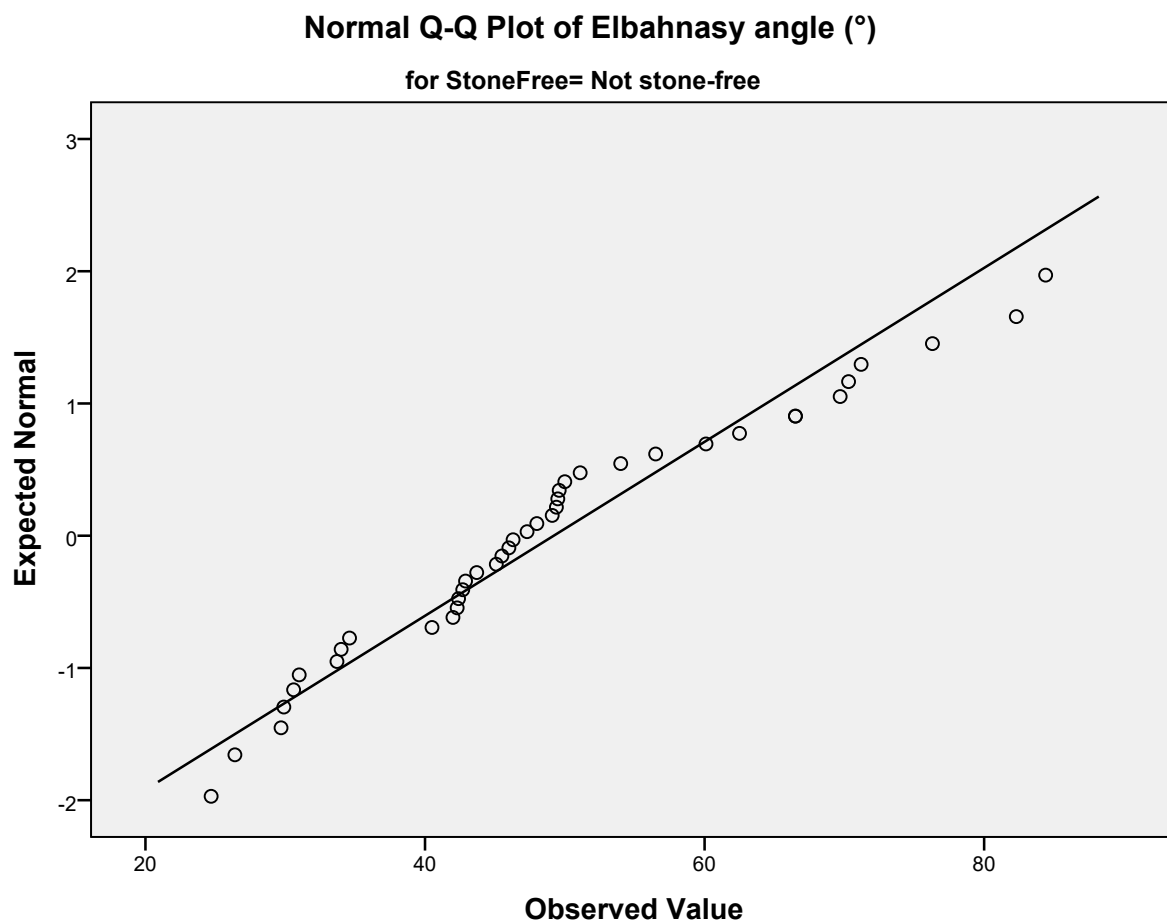
Stem width: 10,0  
Each leaf: 1 case(s)

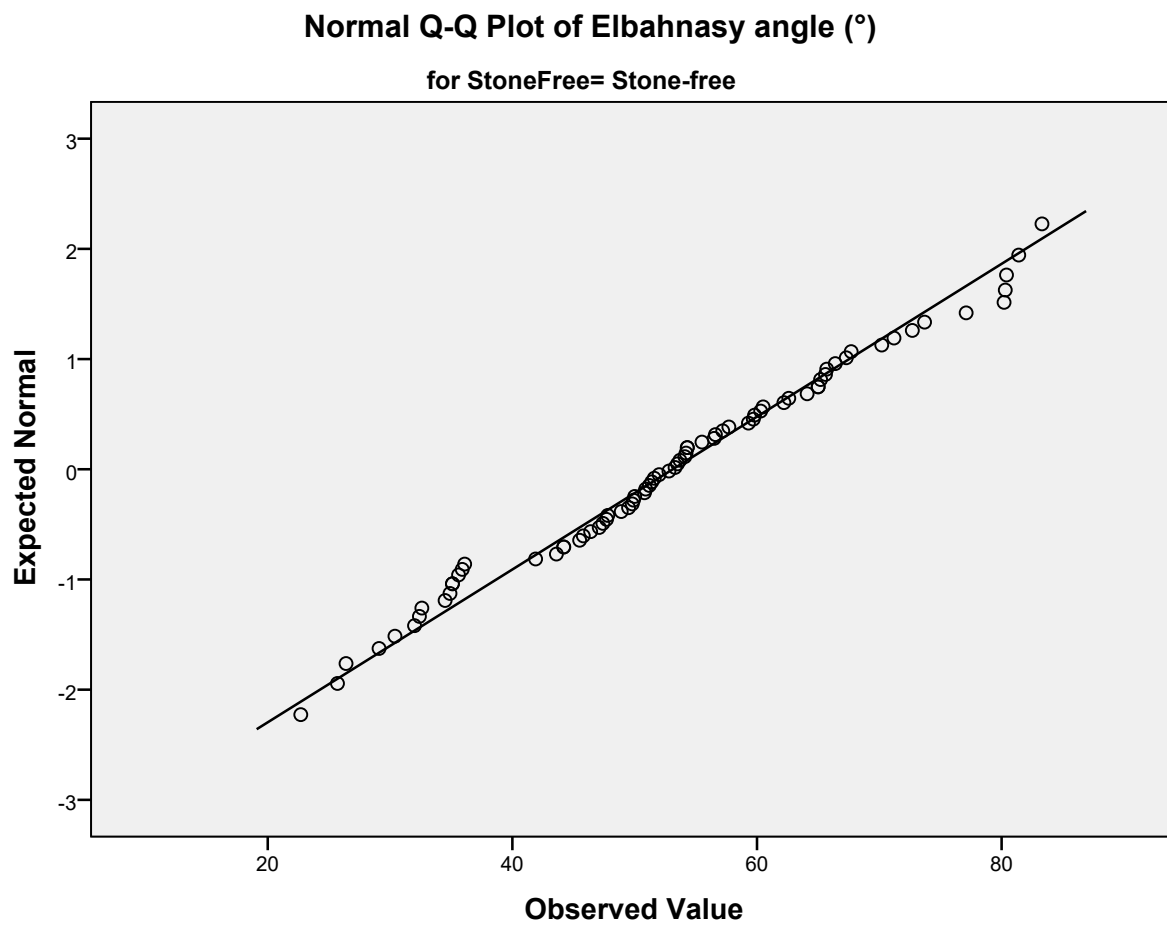
Elbahnasy angle (°) Stem-and-Leaf Plot for  
StoneFree= Stone-free

| Frequency | Stem & | Leaf                    |
|-----------|--------|-------------------------|
| 4,00      | 2 .    | 2569                    |
| 11,00     | 3 .    | 02224455556             |
| 15,00     | 4 .    | 134455677778999         |
| 23,00     | 5 .    | 00011122333444456677999 |
| 13,00     | 6 .    | 0022455555677           |
| 5,00      | 7 .    | 01237                   |
| 5,00      | 8 .    | 00013                   |

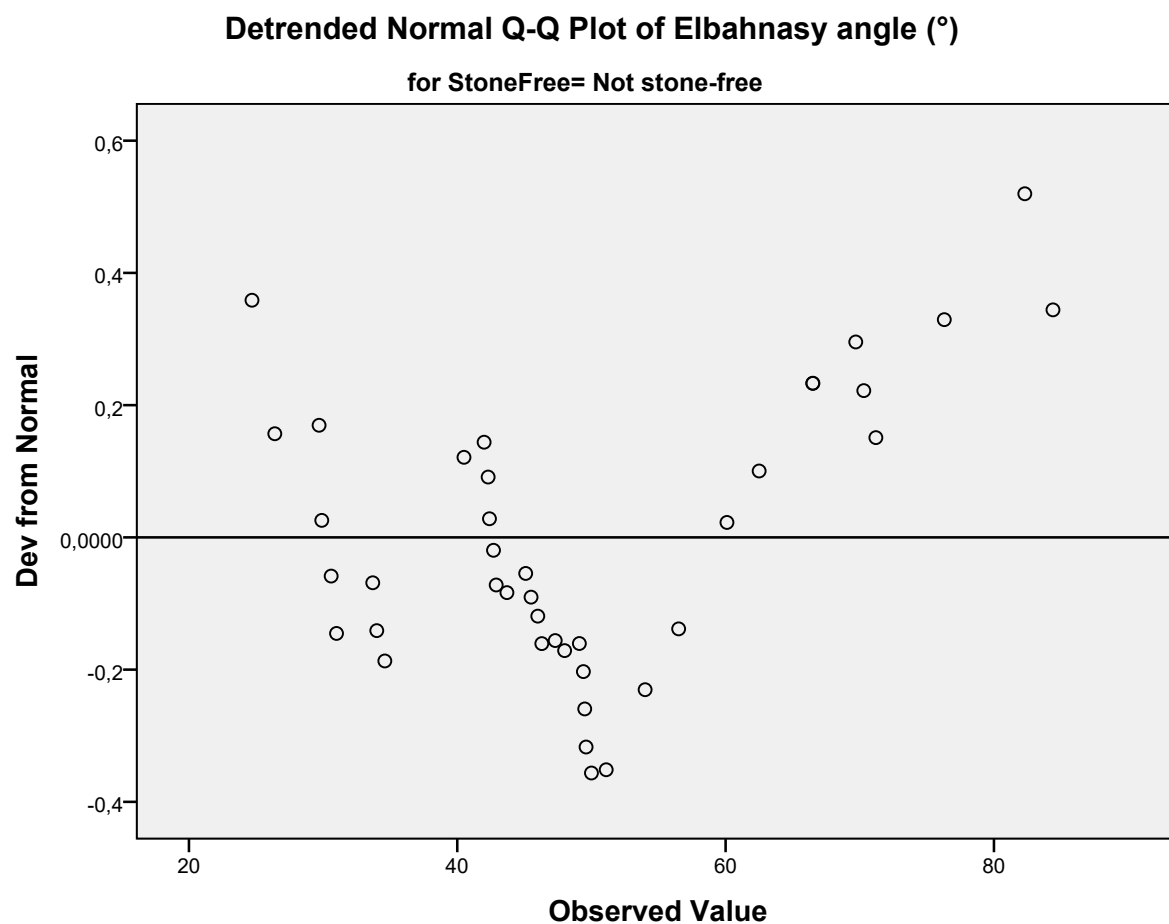
Stem width: 10,0  
Each leaf: 1 case(s)

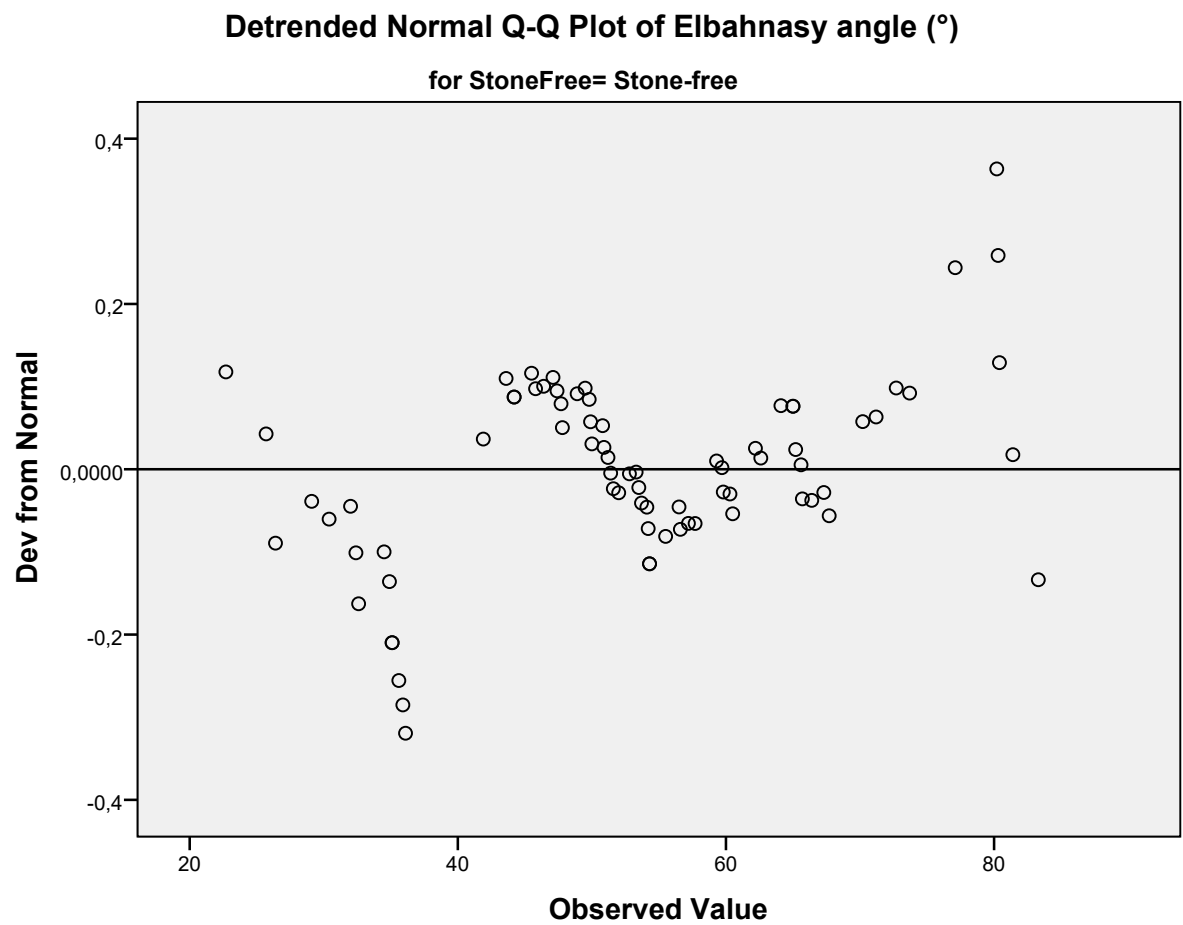
## Normal Q-Q Plots

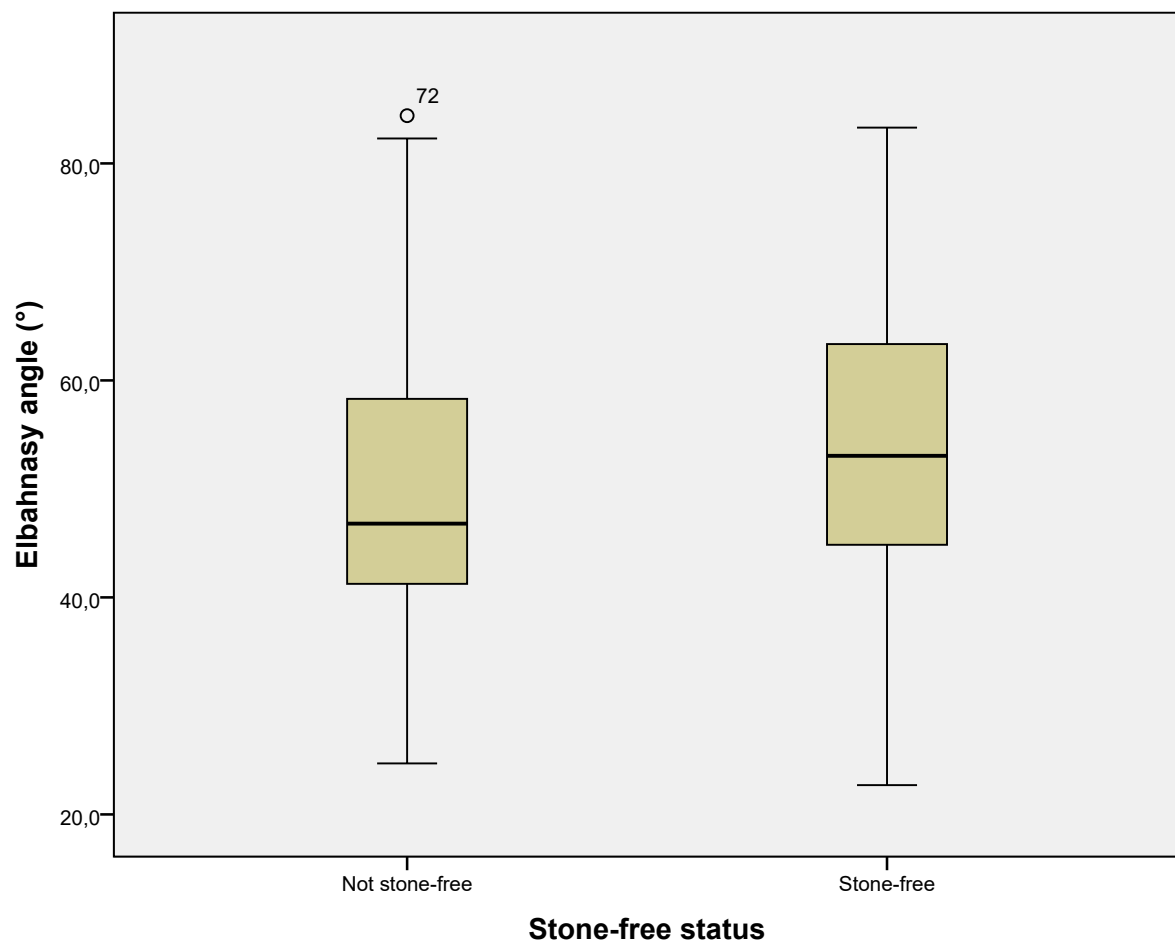




### Detrended Normal Q-Q Plots







## Pelvic stone angle (°)

### Stem-and-Leaf Plots

Pelvic stone angle (°) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem &   | Leaf                        |
|-----------|----------|-----------------------------|
| 1,00      | 2 .      | 4                           |
| 3,00      | 2 .      | 5 6 9                       |
| 14,00     | 3 .      | 1 2 2 3 3 3 3 3 4 4 4 4 4 4 |
| 10,00     | 3 .      | 5 5 6 7 7 7 7 8 8 9         |
| 2,00      | 4 .      | 2 4                         |
| ,00       | 4 .      |                             |
| 3,00      | 5 .      | 0 4 4                       |
| 4,00      | 5 .      | 6 7 8 9                     |
| 1,00      | 6 .      | 4                           |
| 2,00      | Extremes | (>=70)                      |

Stem width: 10,0

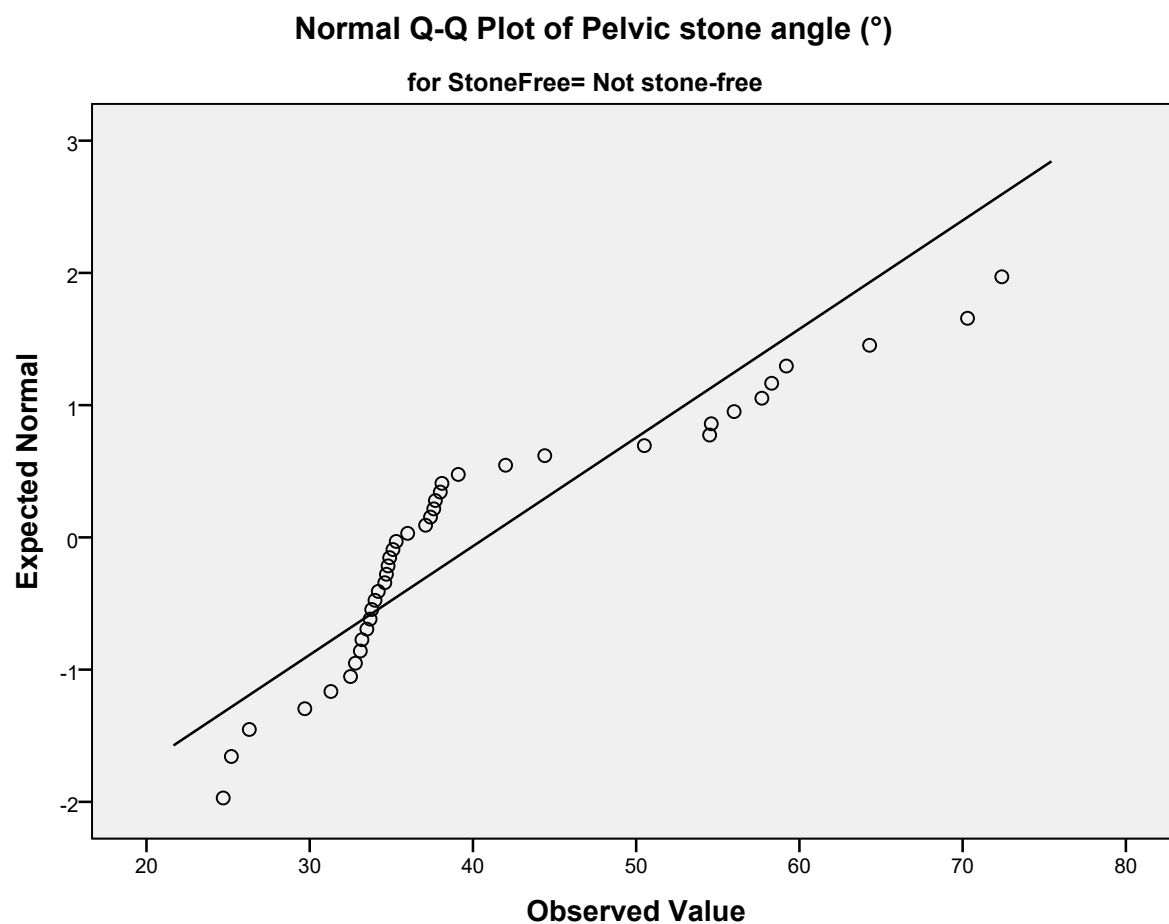
Each leaf: 1 case(s)

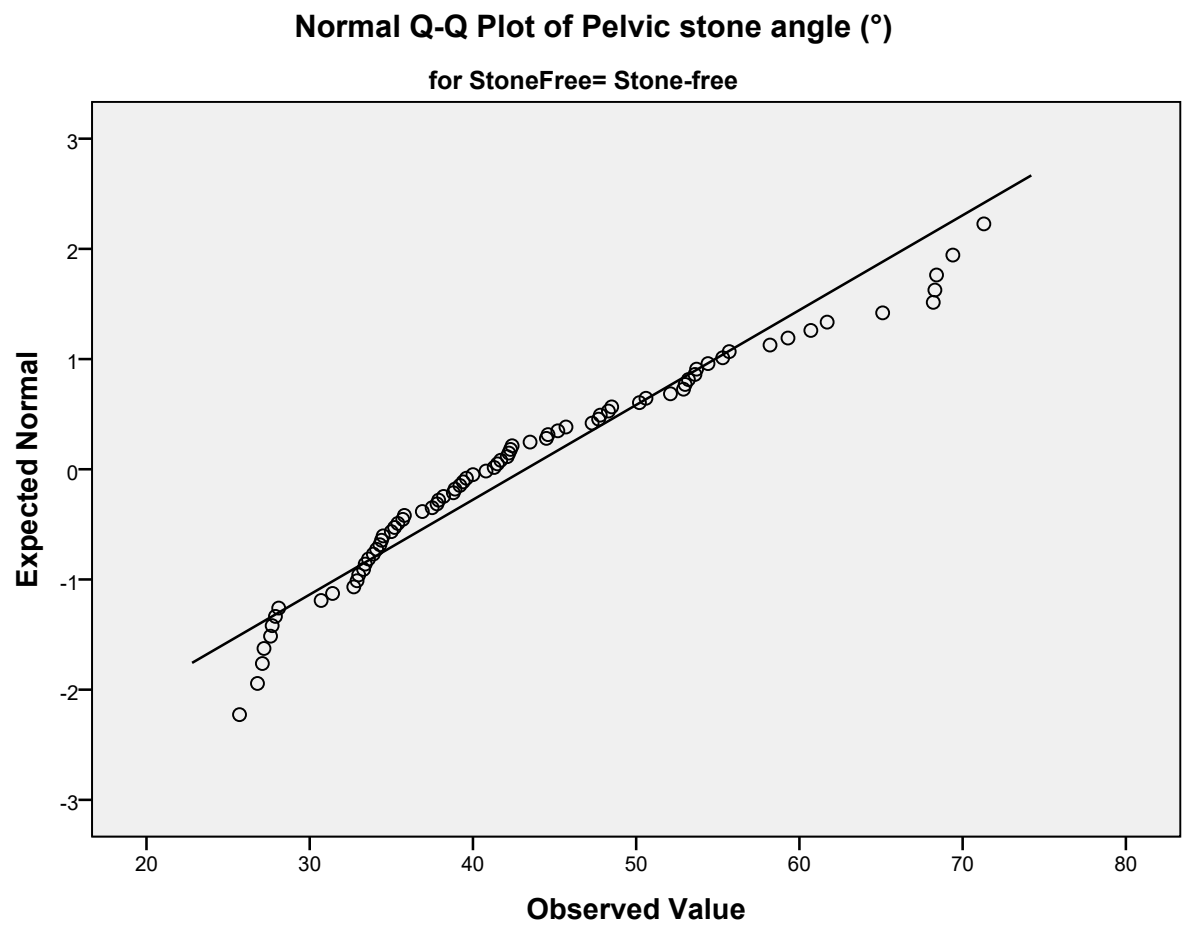
Pelvic stone angle (°) Stem-and-Leaf Plot for  
StoneFree= Stone-free

| Frequency | Stem & | Leaf                          |
|-----------|--------|-------------------------------|
| 8,00      | 2 .    | 56777778                      |
| 28,00     | 3 .    | 01223333334444555556777888999 |
| 19,00     | 4 .    | 0011122223445577788           |
| 13,00     | 5 .    | 0022333345589                 |
| 7,00      | 6 .    | 0158889                       |
| 1,00      | 7 .    | 1                             |

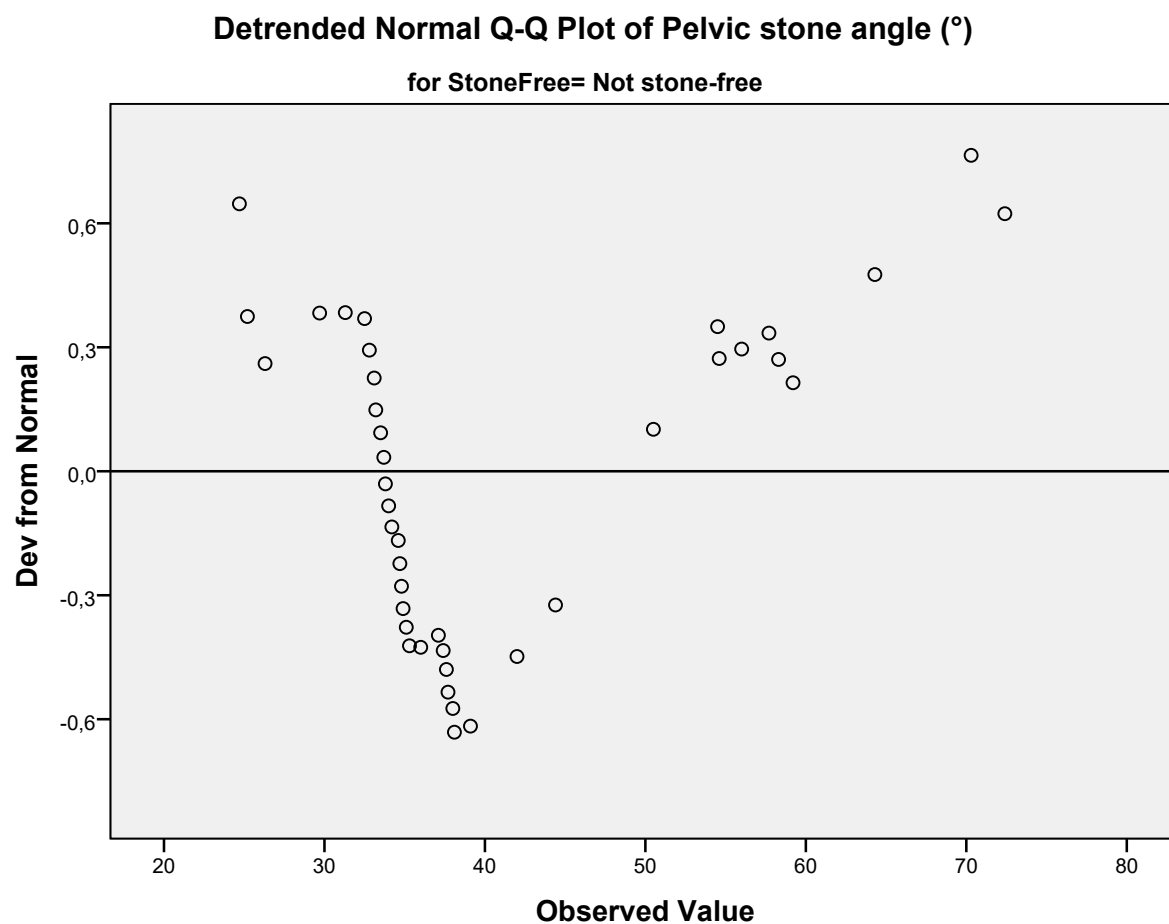
Stem width: 10,0  
Each leaf: 1 case(s)

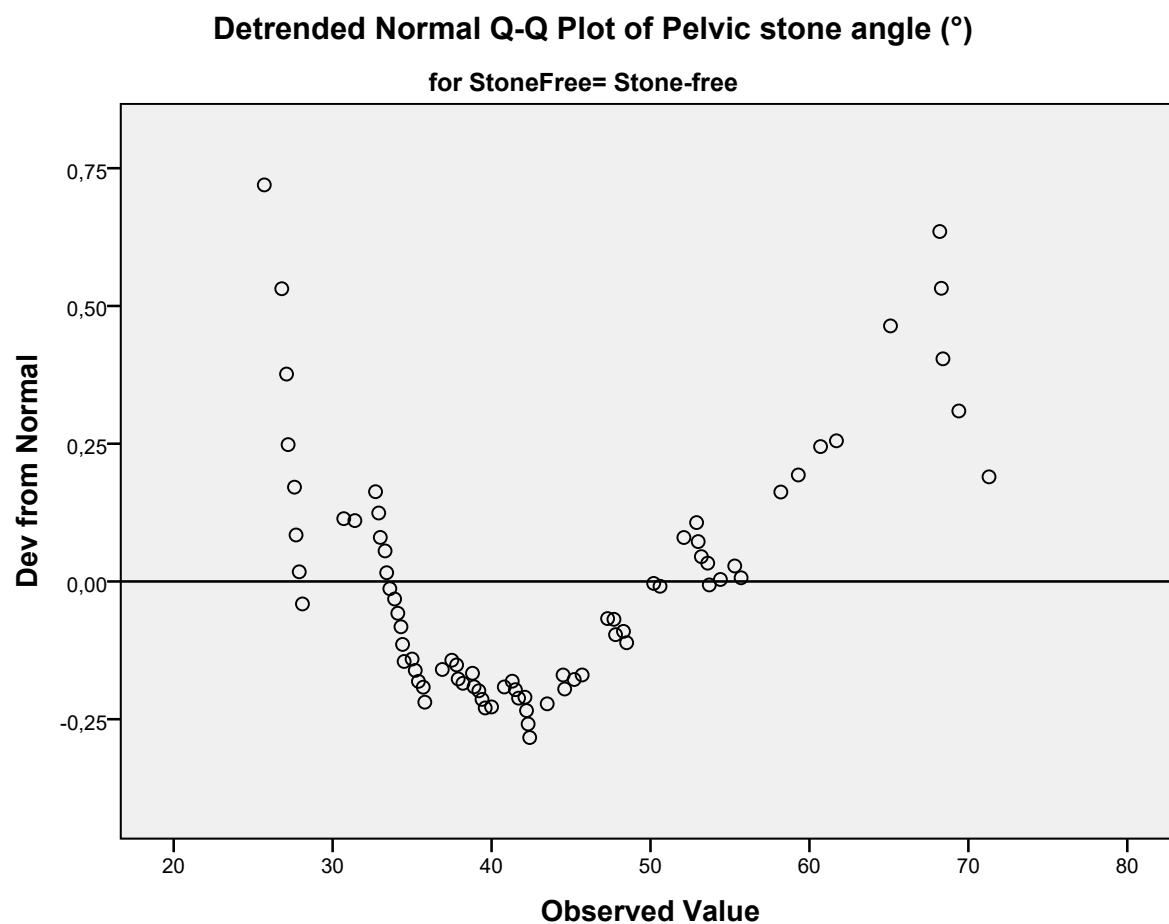
## Normal Q-Q Plots

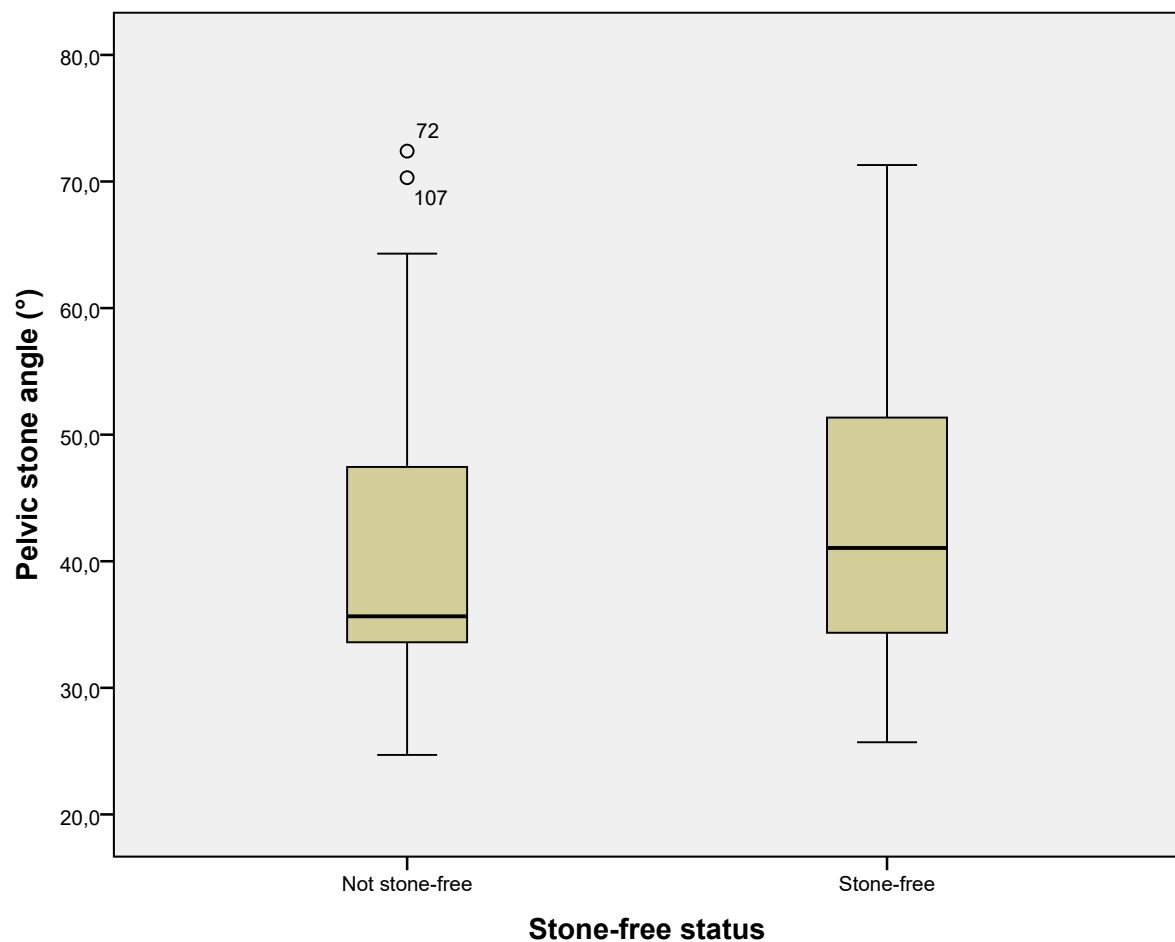




### Detrended Normal Q-Q Plots







## Maximum stone-edge angle (°)

### Stem-and-Leaf Plots

Maximum stone-edge angle (°) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem &   | Leaf              |
|-----------|----------|-------------------|
| 3,00      | 1 .      | 799               |
| 17,00     | 2 .      | 01111111111222234 |
| 10,00     | 2 .      | 5555556678        |
| 2,00      | 3 .      | 13                |
| 4,00      | 3 .      | 5678              |
| 4,00      | Extremes | (>=43)            |

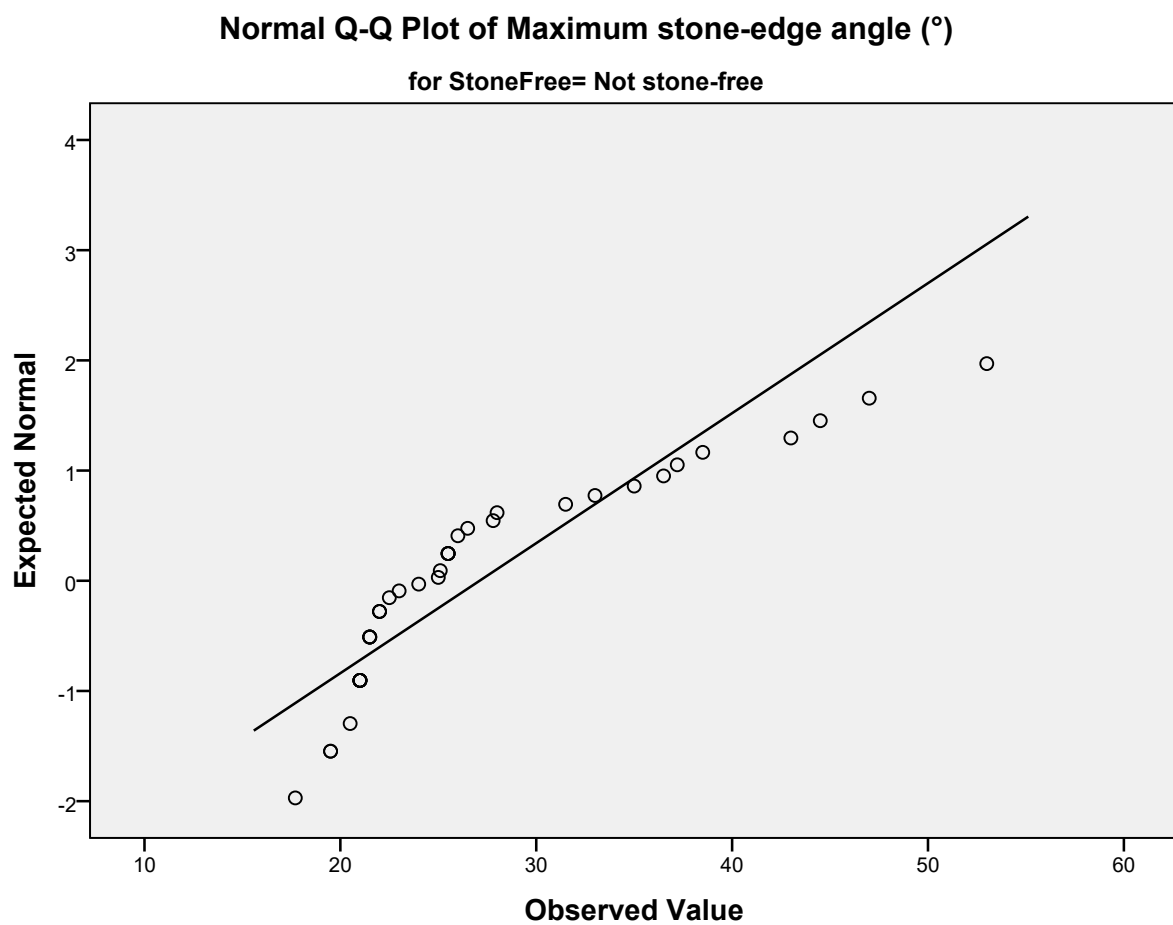
Stem width: 10,0  
Each leaf: 1 case(s)

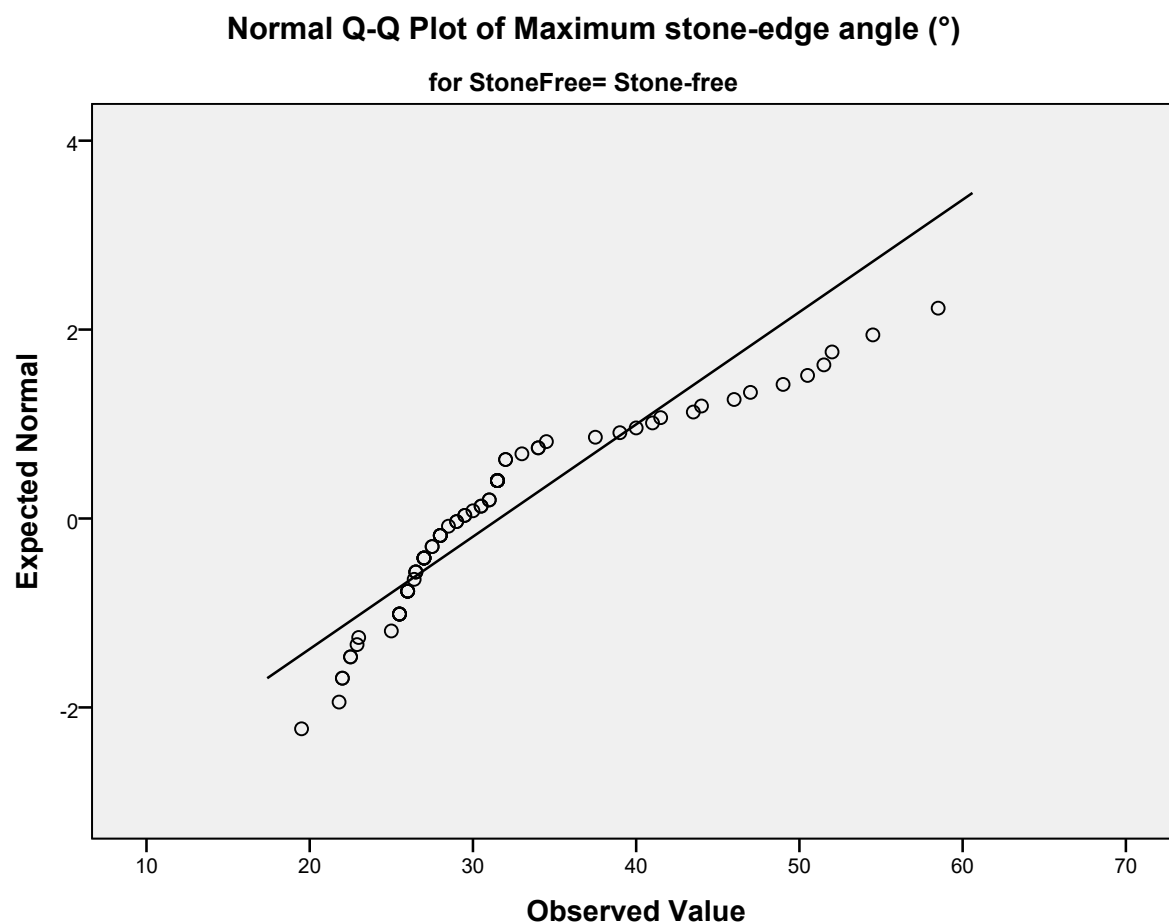
Maximum stone-edge angle (°) Stem-and-Leaf Plot for  
StoneFree= Stone-free

| Frequency | Stem &   | Leaf                             |
|-----------|----------|----------------------------------|
| 1,00      | 1 .      | 9                                |
| 7,00      | 2 .      | 1222223                          |
| 32,00     | 2 .      | 55555566666666667777778888889999 |
| 21,00     | 3 .      | 000111111111111223444            |
| 2,00      | 3 .      | 79                               |
| 3,00      | 4 .      | 011                              |
| 10,00     | Extremes | (>=44)                           |

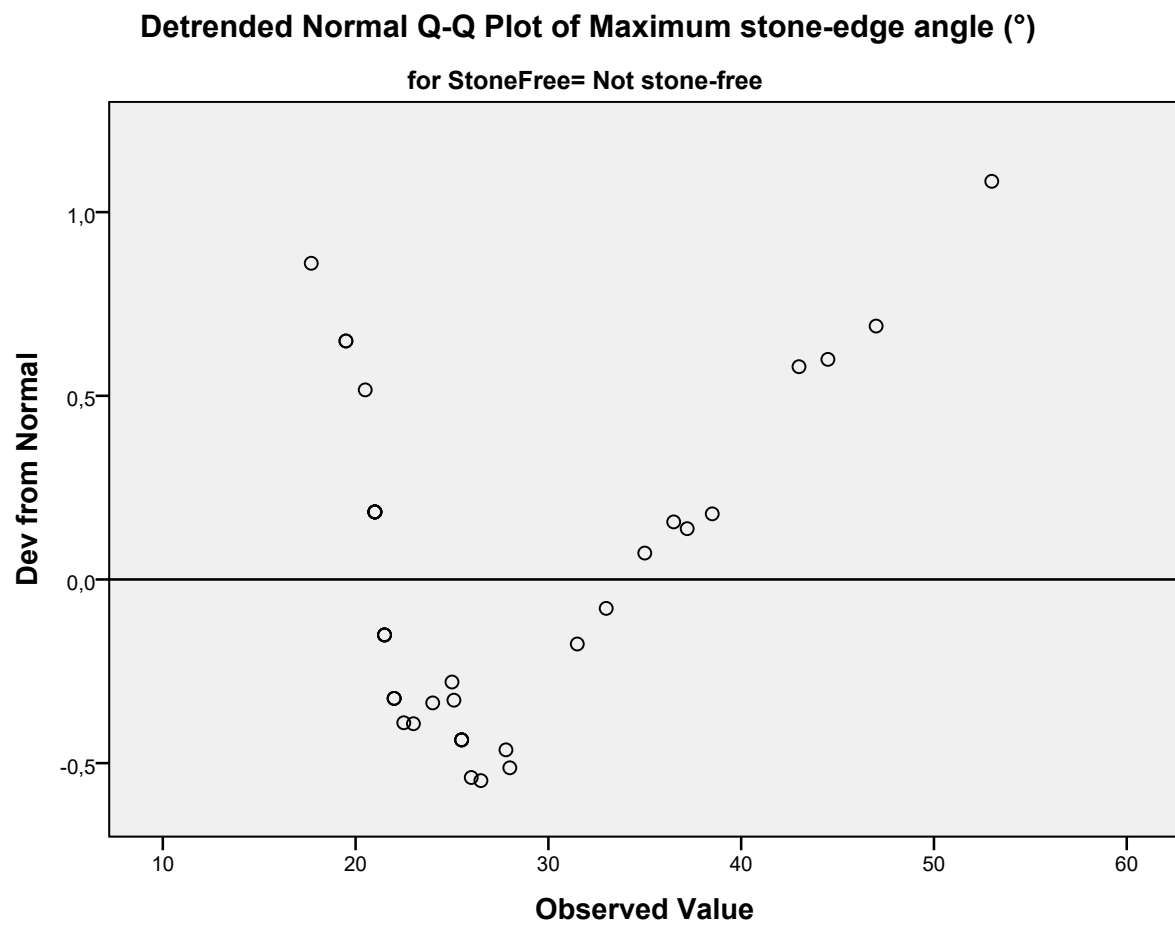
Stem width: 10,0  
Each leaf: 1 case(s)

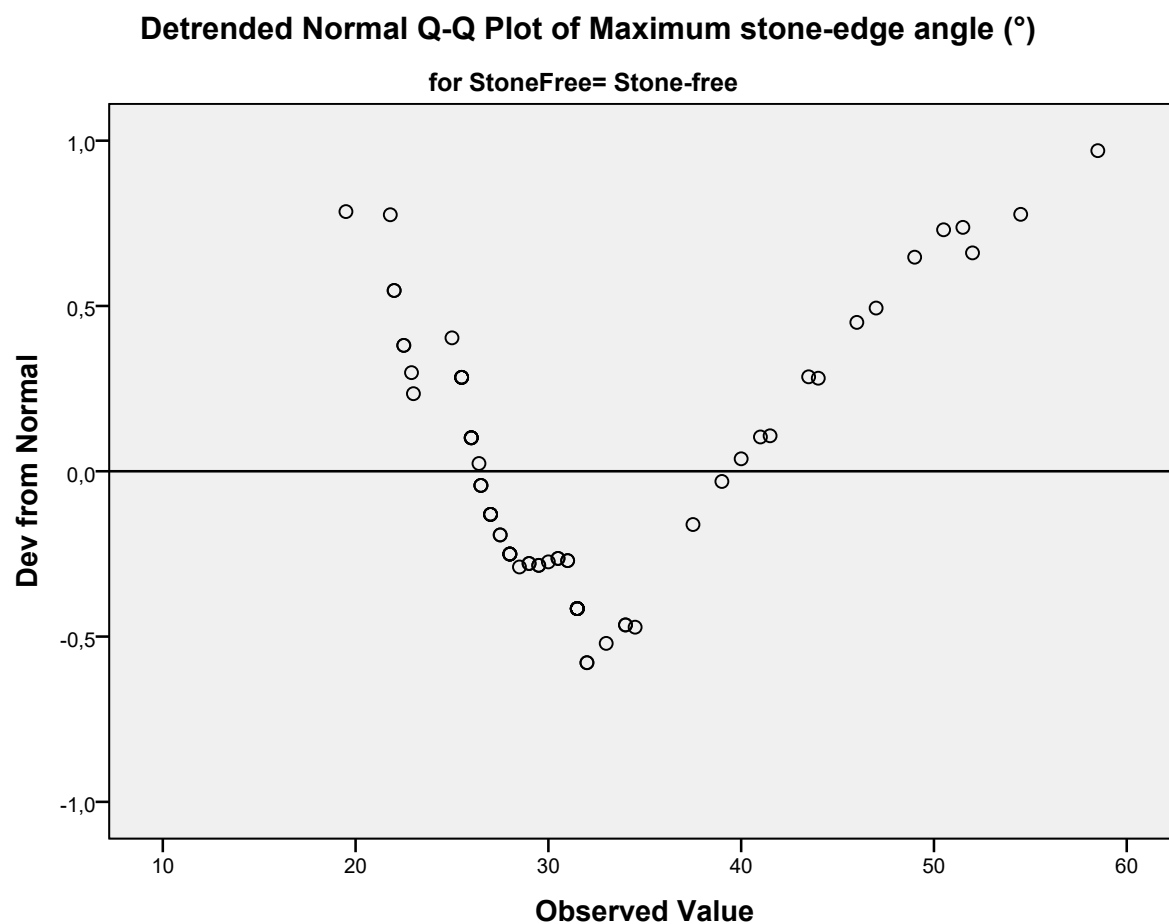
## Normal Q-Q Plots

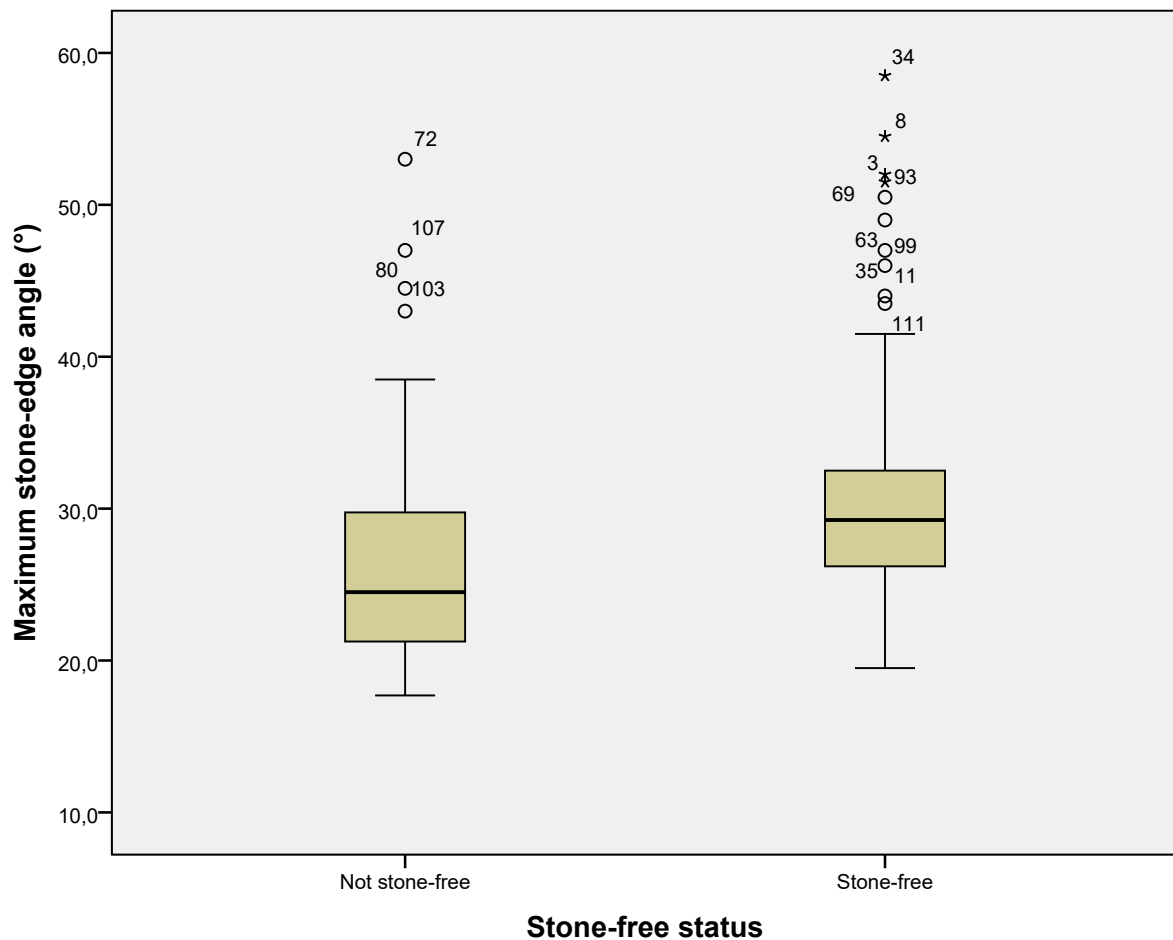




### Detrended Normal Q-Q Plots







## Infundibular length (mm)

### Stem-and-Leaf Plots

Infundibular length (mm) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem & | Leaf             |
|-----------|--------|------------------|
| 1,00      | 1 .    | 4                |
| 5,00      | 1 .    | 88899            |
| 16,00     | 2 .    | 0000011222222334 |
| 15,00     | 2 .    | 555666666667899  |
| 3,00      | 3 .    | 112              |

Stem width: 10  
Each leaf: 1 case(s)

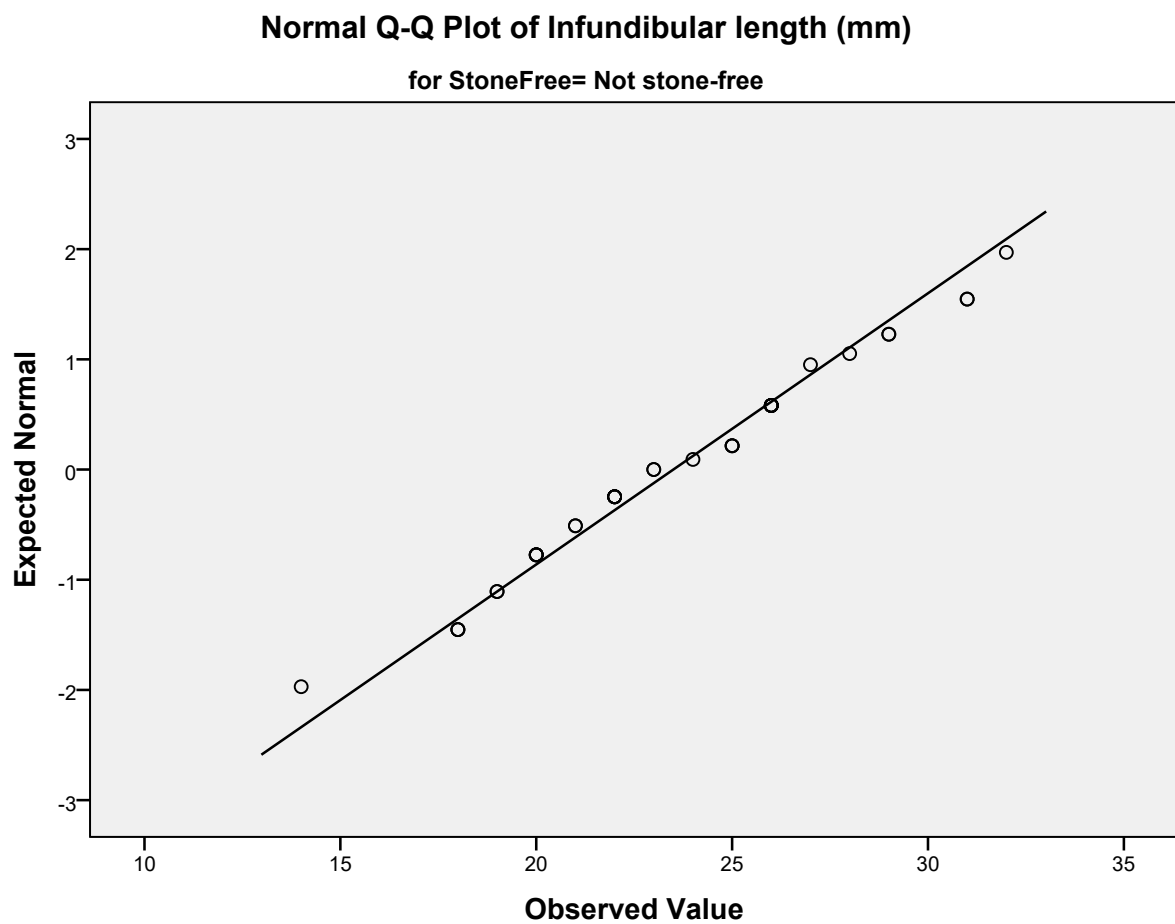
Infundibular length (mm) Stem-and-Leaf Plot for

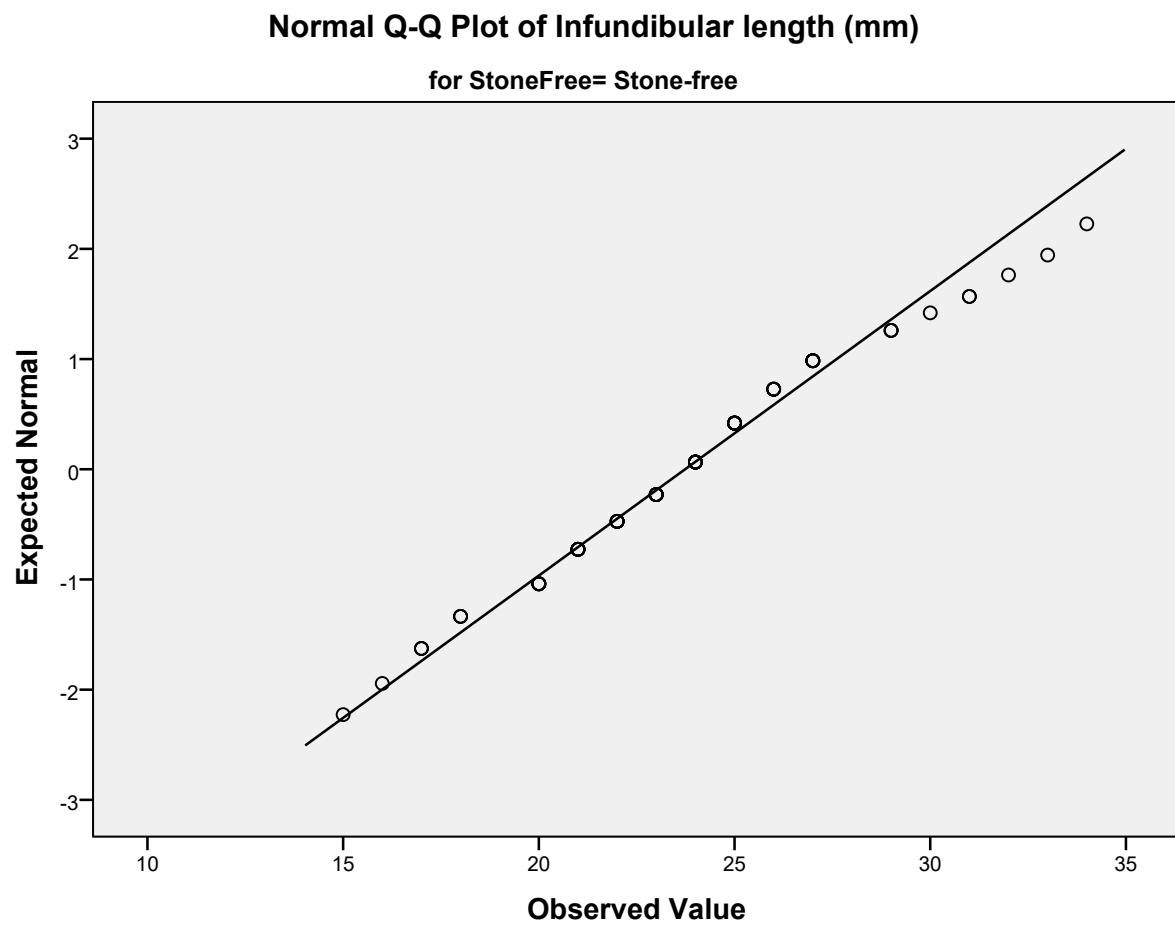
StoneFree= Stone-free

| Frequency | Stem &   | Leaf                                 |
|-----------|----------|--------------------------------------|
| ,00       | 1 .      |                                      |
| 8,00      | 1 .      | 56777888                             |
| 37,00     | 2 .      | 000000111111122222233333334444444444 |
| 25,00     | 2 .      | 5555555555566666777777999            |
| 5,00      | 3 .      | 01123                                |
| 1,00      | Extremes | (>=34)                               |

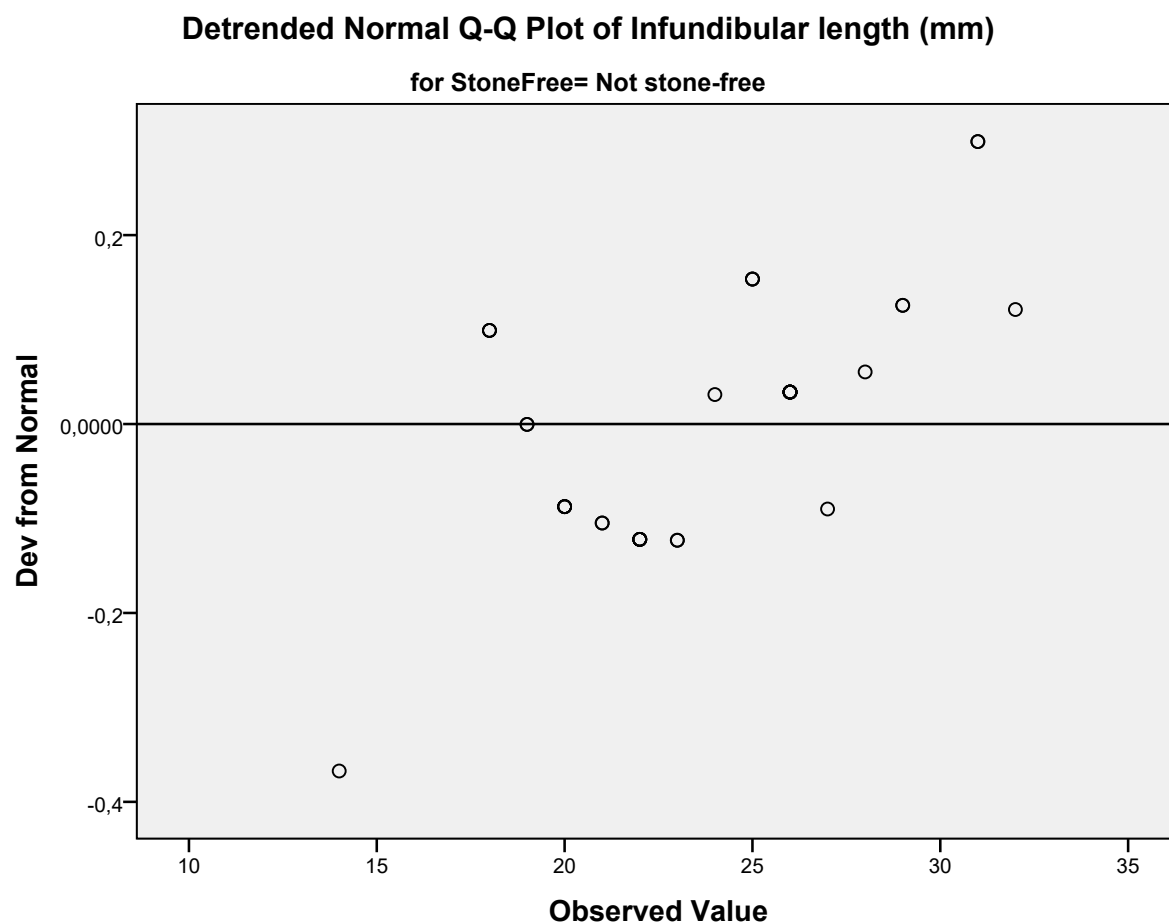
Stem width: 10  
Each leaf: 1 case(s)

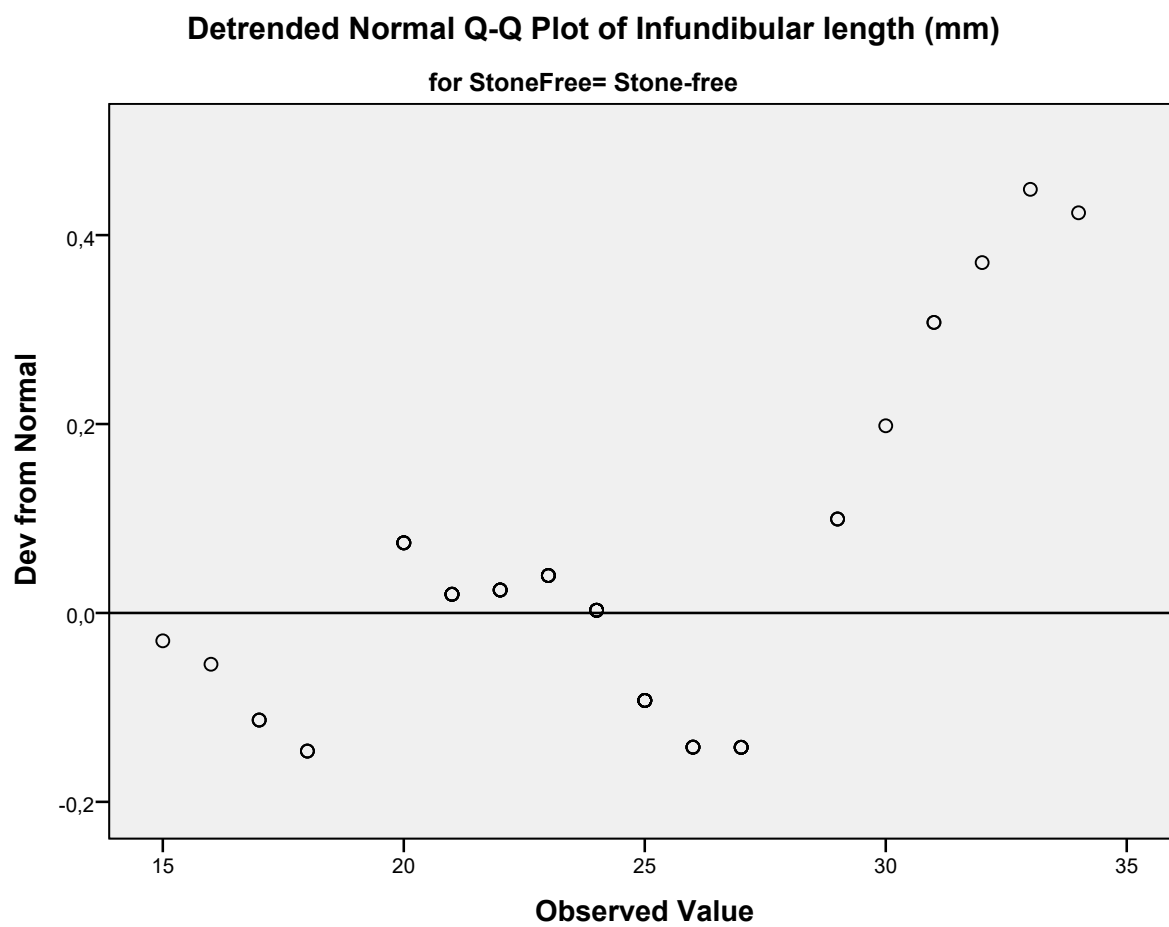
## Normal Q-Q Plots

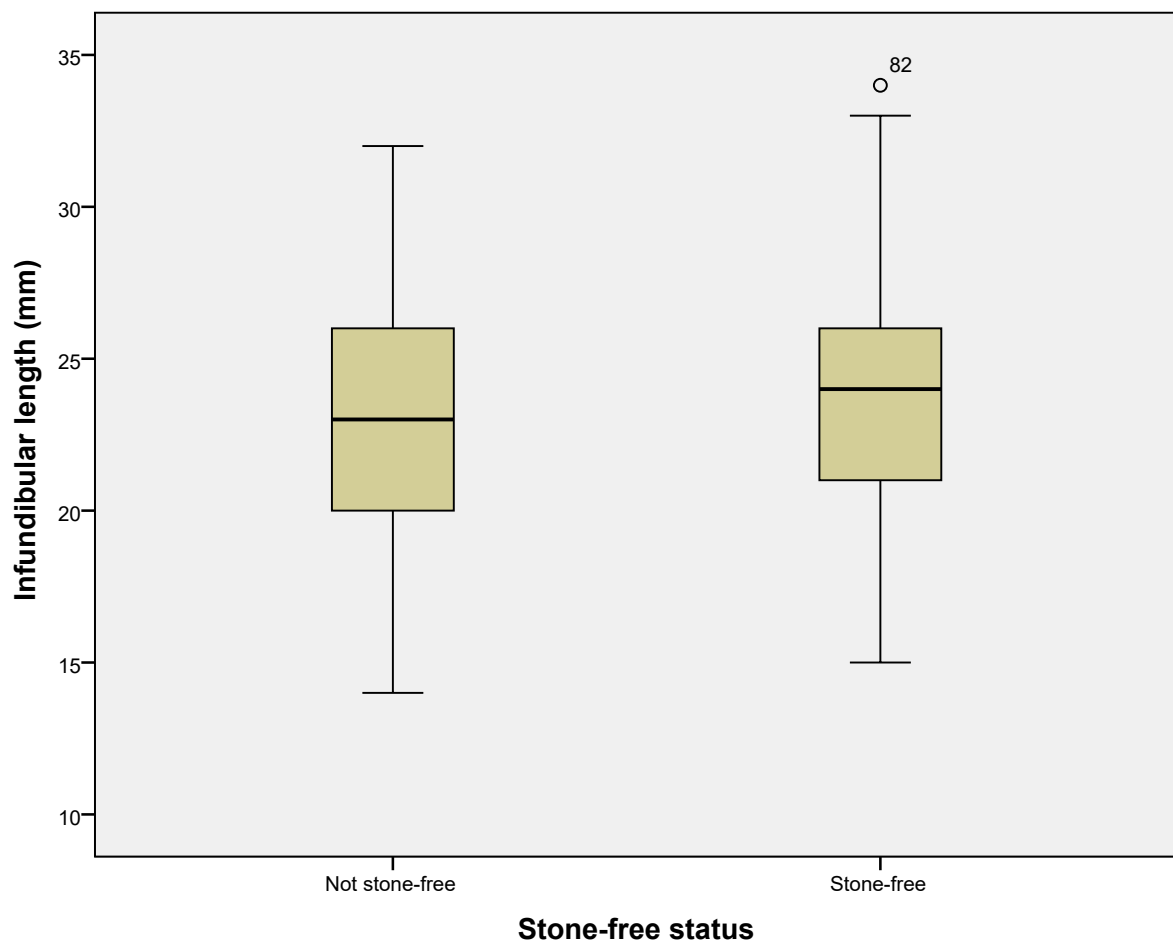




### Detrended Normal Q-Q Plots







## Infundibular width (mm)

### Stem-and-Leaf Plots

Infundibular width (mm) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem & | Leaf           |
|-----------|--------|----------------|
| 3,00      | 4 .    | 000            |
| 8,00      | 5 .    | 00000000       |
| 7,00      | 6 .    | 00000000       |
| 13,00     | 7 .    | 00000000000000 |
| 6,00      | 8 .    | 000000         |
| 2,00      | 9 .    | 00             |
| 1,00      | 10 .   | 0              |

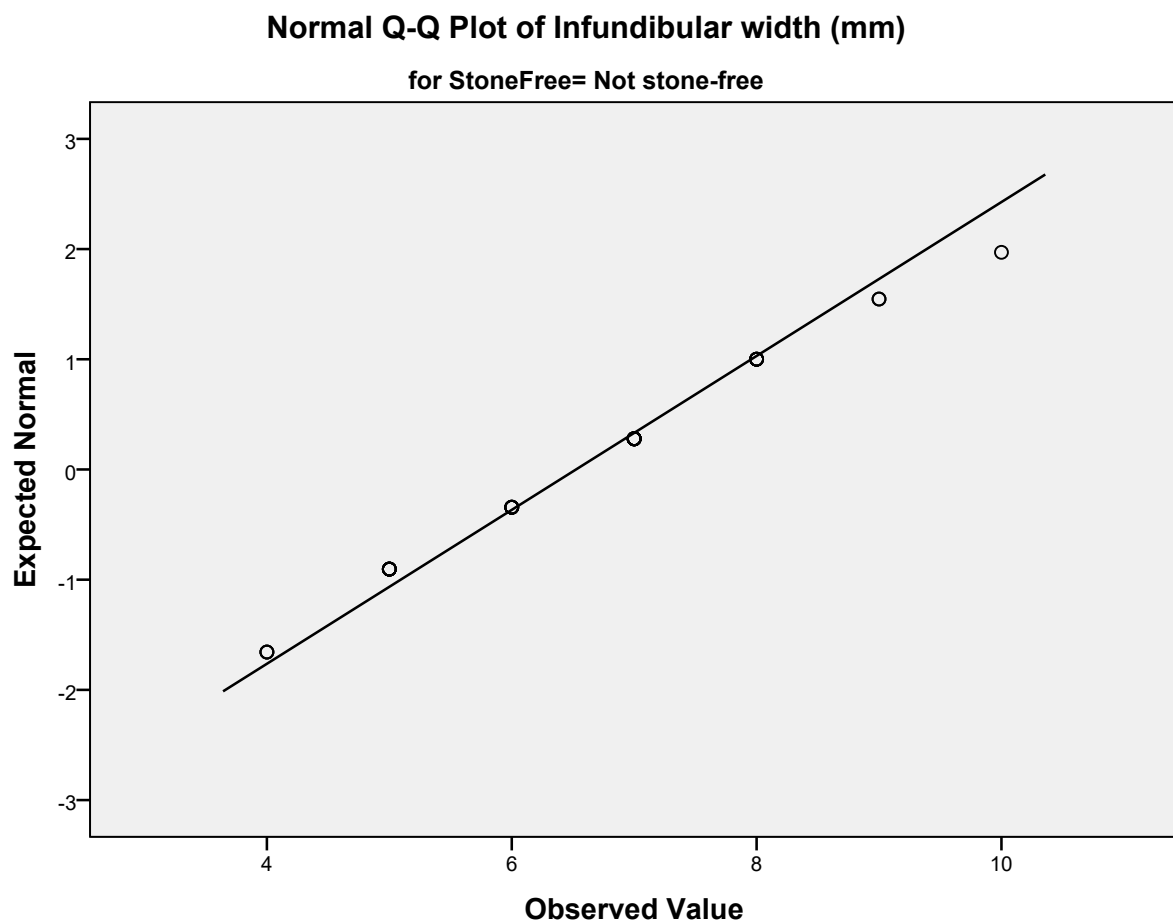
Stem width: 1  
Each leaf: 1 case(s)

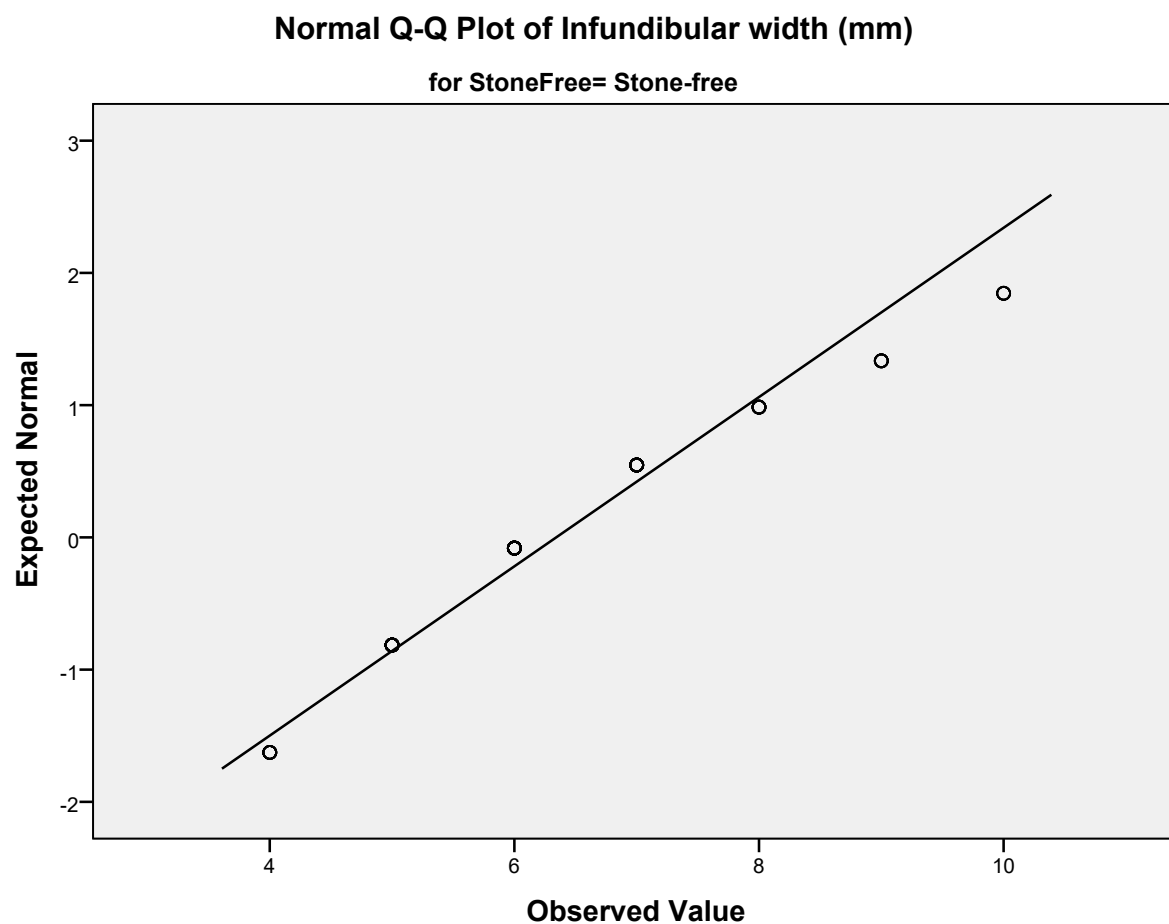
Infundibular width (mm) Stem-and-Leaf Plot for  
StoneFree= Stone-free

| Frequency | Stem & | Leaf                 |
|-----------|--------|----------------------|
| 7,00      | 4 .    | 0000000              |
| 17,00     | 5 .    | 000000000000000000   |
| 23,00     | 6 .    | 00000000000000000000 |
| 14,00     | 7 .    | 0000000000000000     |
| 6,00      | 8 .    | 000000               |
| 5,00      | 9 .    | 00000                |
| 4,00      | 10 .   | 0000                 |

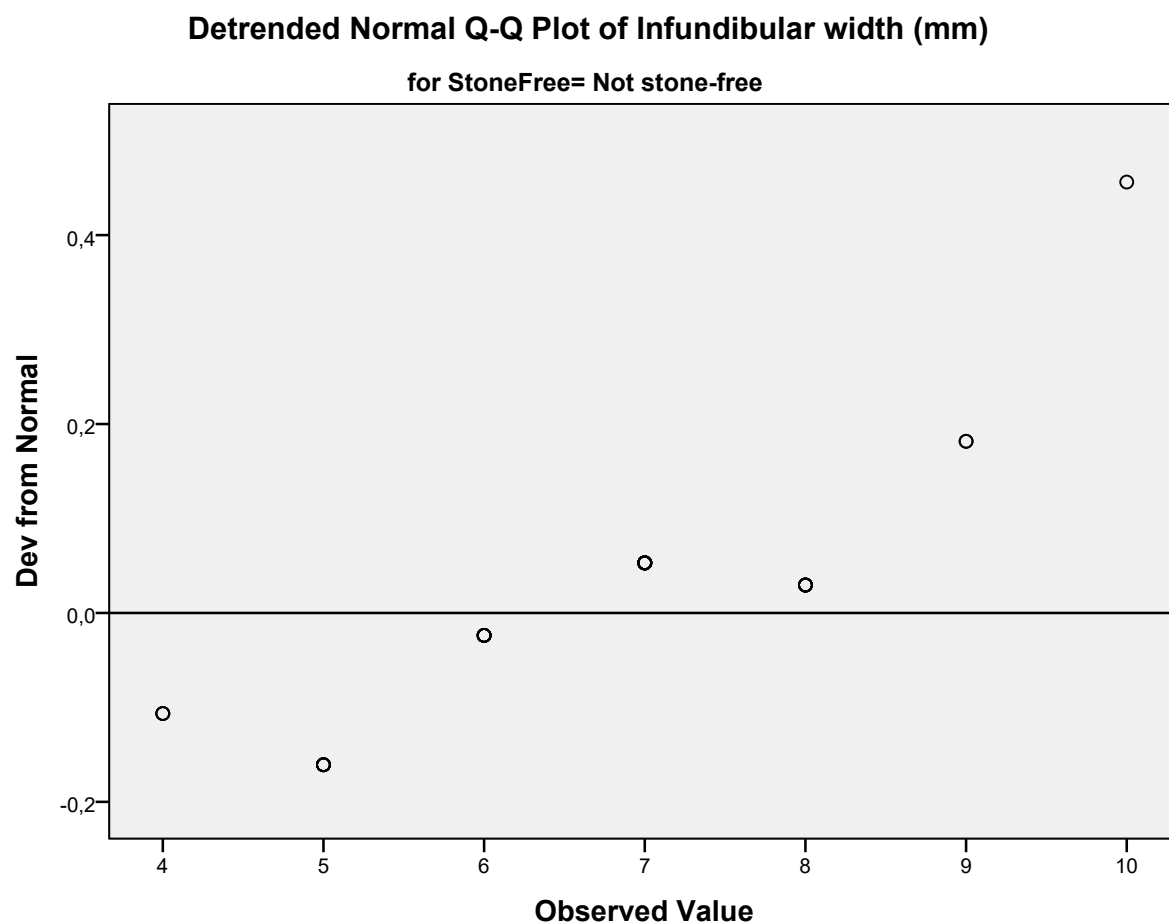
Stem width: 1  
Each leaf: 1 case(s)

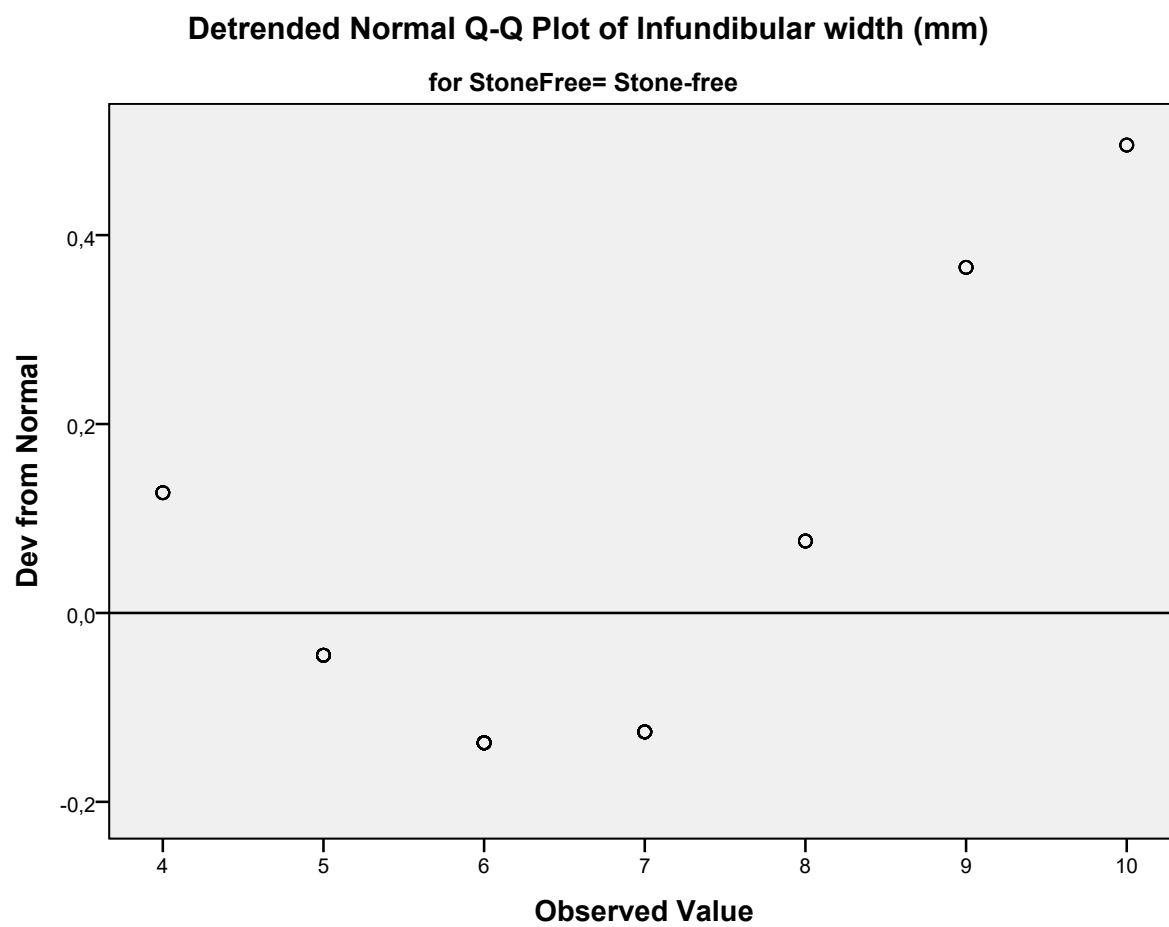
## Normal Q-Q Plots

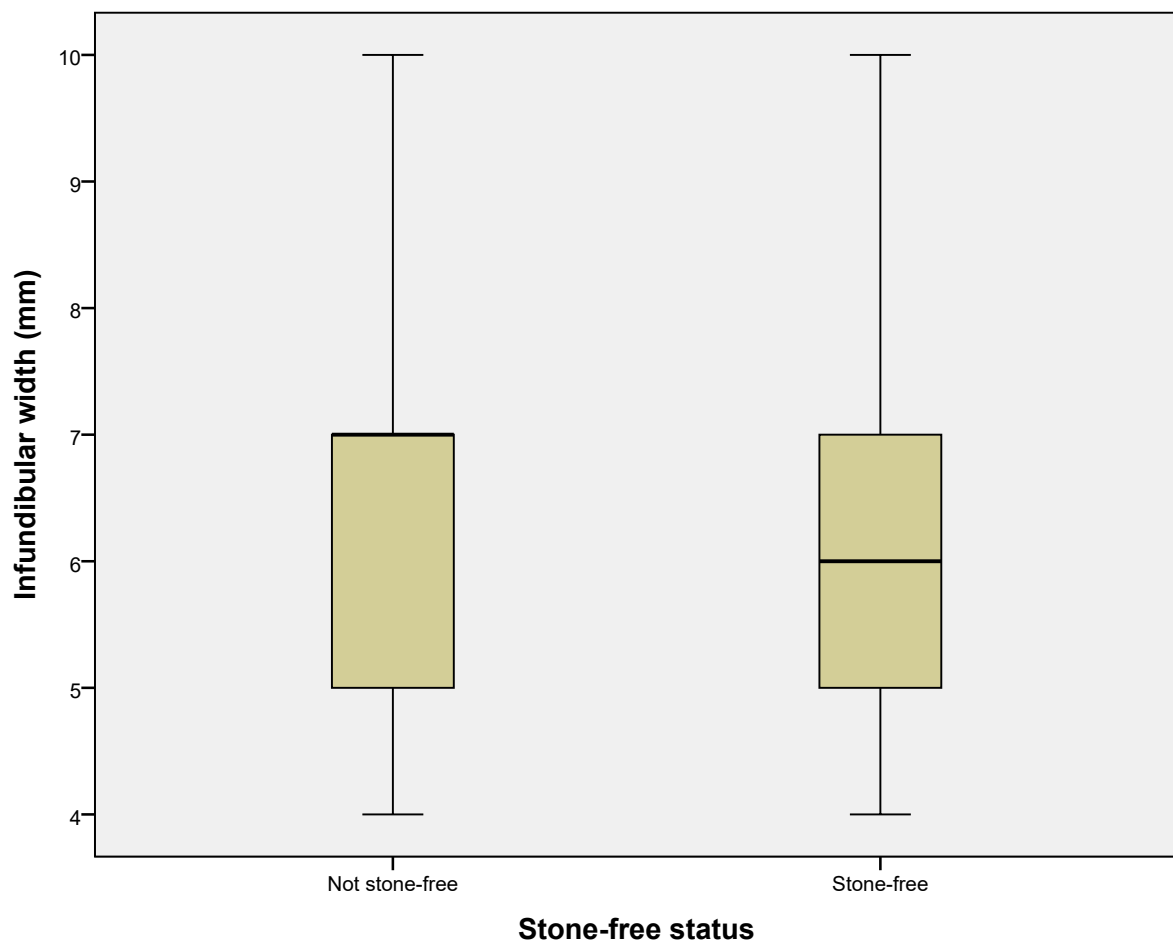




### Detrended Normal Q-Q Plots







## Operation time (min)

### Stem-and-Leaf Plots

Operation time (min) Stem-and-Leaf Plot for  
StoneFree= Not stone-free

| Frequency | Stem & | Leaf      |
|-----------|--------|-----------|
| 1,00      | 4 .    | 0         |
| 3,00      | 5 .    | 005       |
| 9,00      | 6 .    | 000000055 |
| 5,00      | 7 .    | 00555     |
| 8,00      | 8 .    | 00055555  |
| 4,00      | 9 .    | 0000      |
| 3,00      | 10 .   | 005       |
| 2,00      | 11 .   | 55        |
| 5,00      | 12 .   | 00000     |

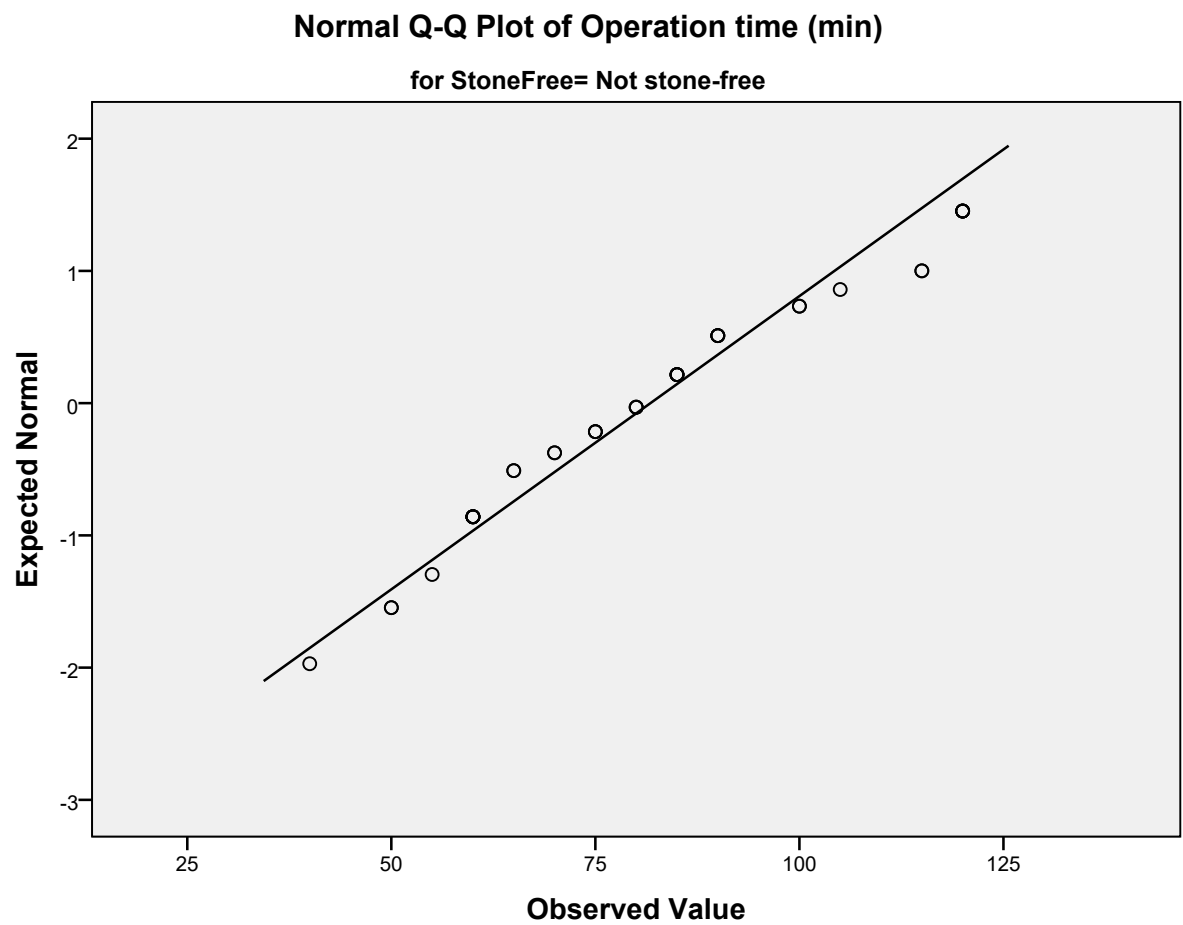
Stem width: 10  
Each leaf: 1 case(s)

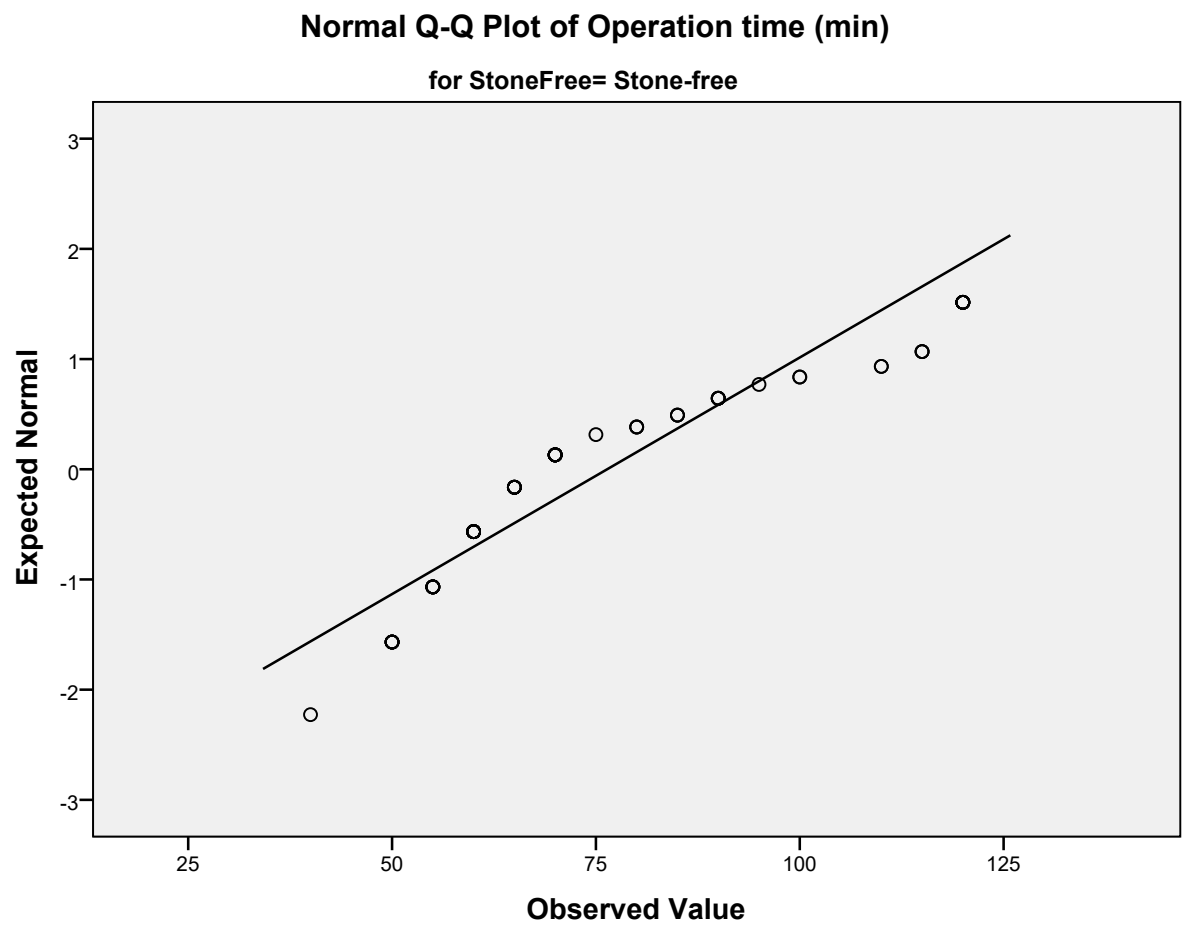
Operation time (min) Stem-and-Leaf Plot for  
StoneFree= Stone-free

| Frequency | Stem & | Leaf                    |
|-----------|--------|-------------------------|
| 1,00      | 4 .    | 0                       |
| 13,00     | 5 .    | 00000055555555          |
| 23,00     | 6 .    | 00000000000000055555555 |
| 11,00     | 7 .    | 000000000005            |
| 6,00      | 8 .    | 000555                  |
| 6,00      | 9 .    | 000005                  |
| 2,00      | 10 .   | 00                      |
| 5,00      | 11 .   | 00555                   |
| 9,00      | 12 .   | 000000000               |

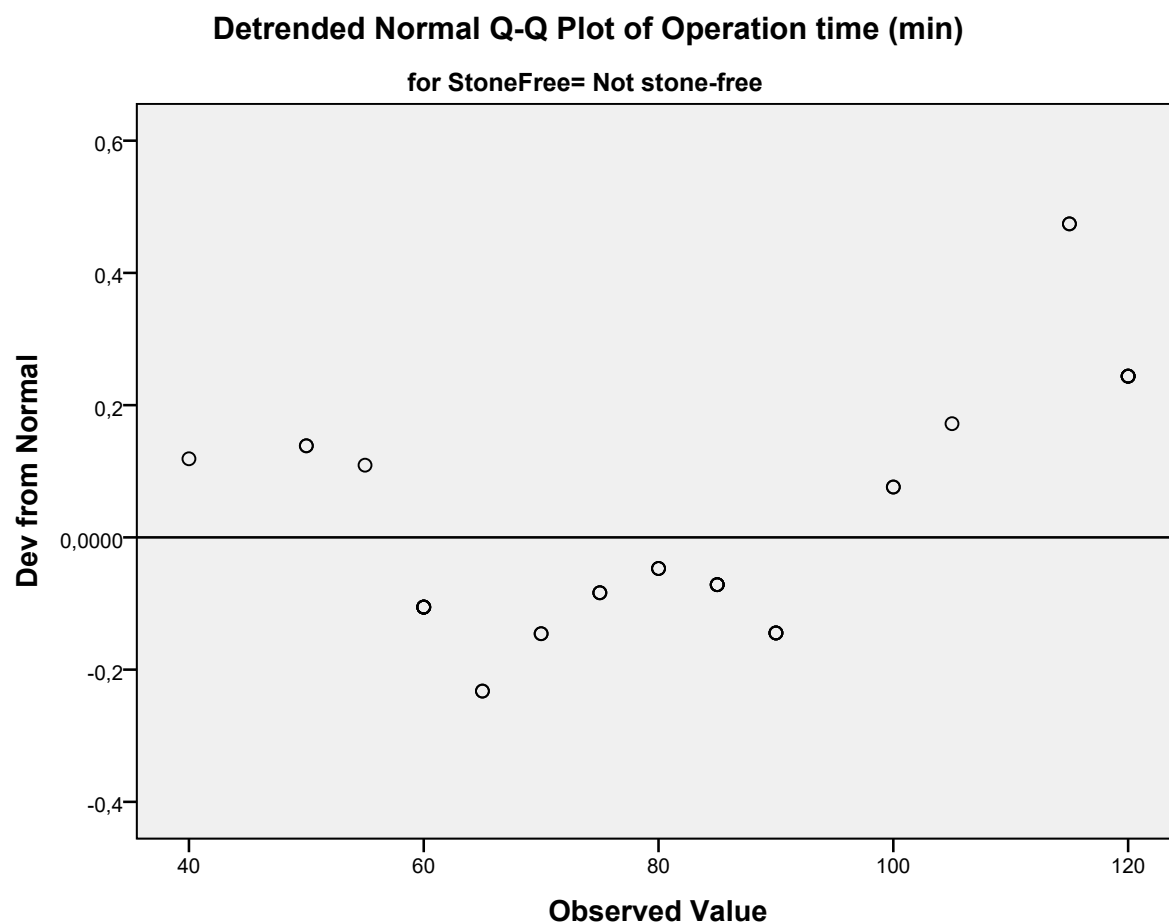
Stem width: 10  
Each leaf: 1 case(s)

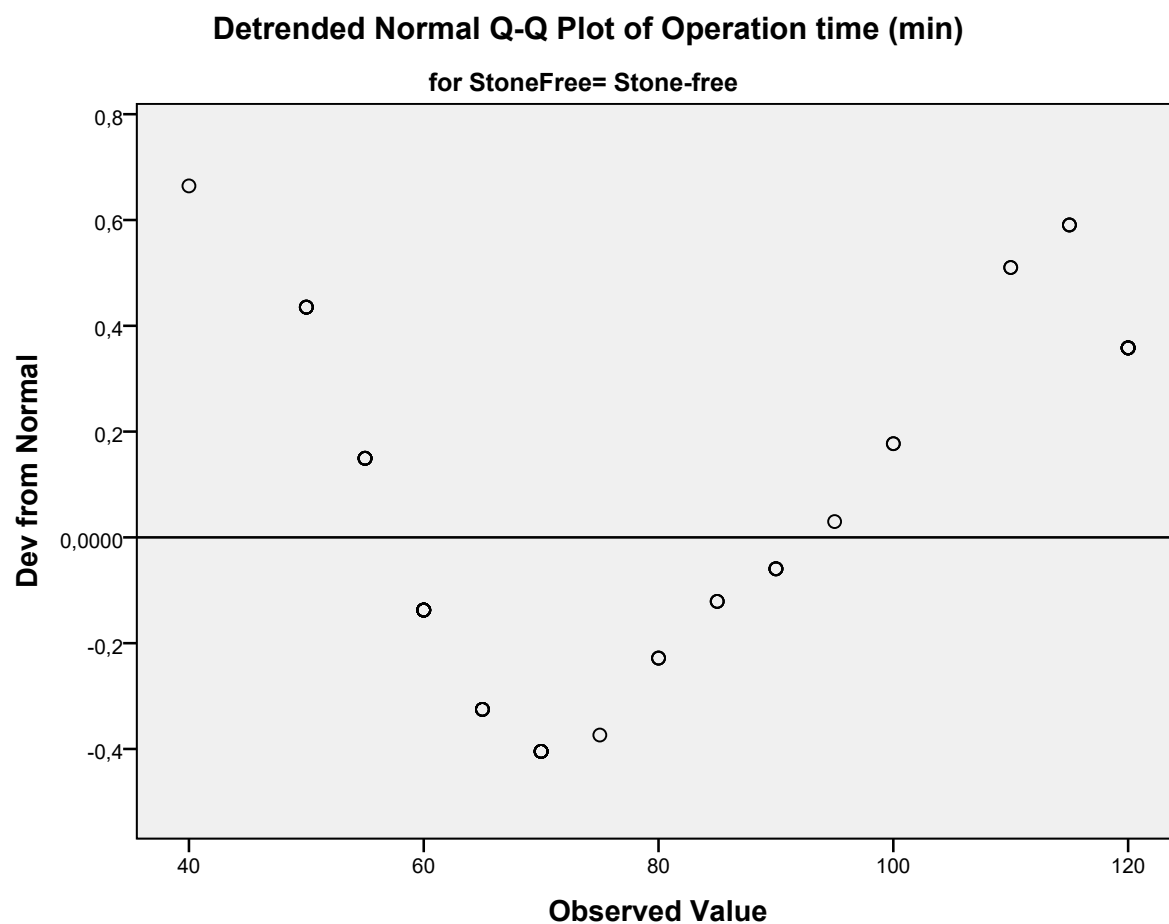
## Normal Q-Q Plots

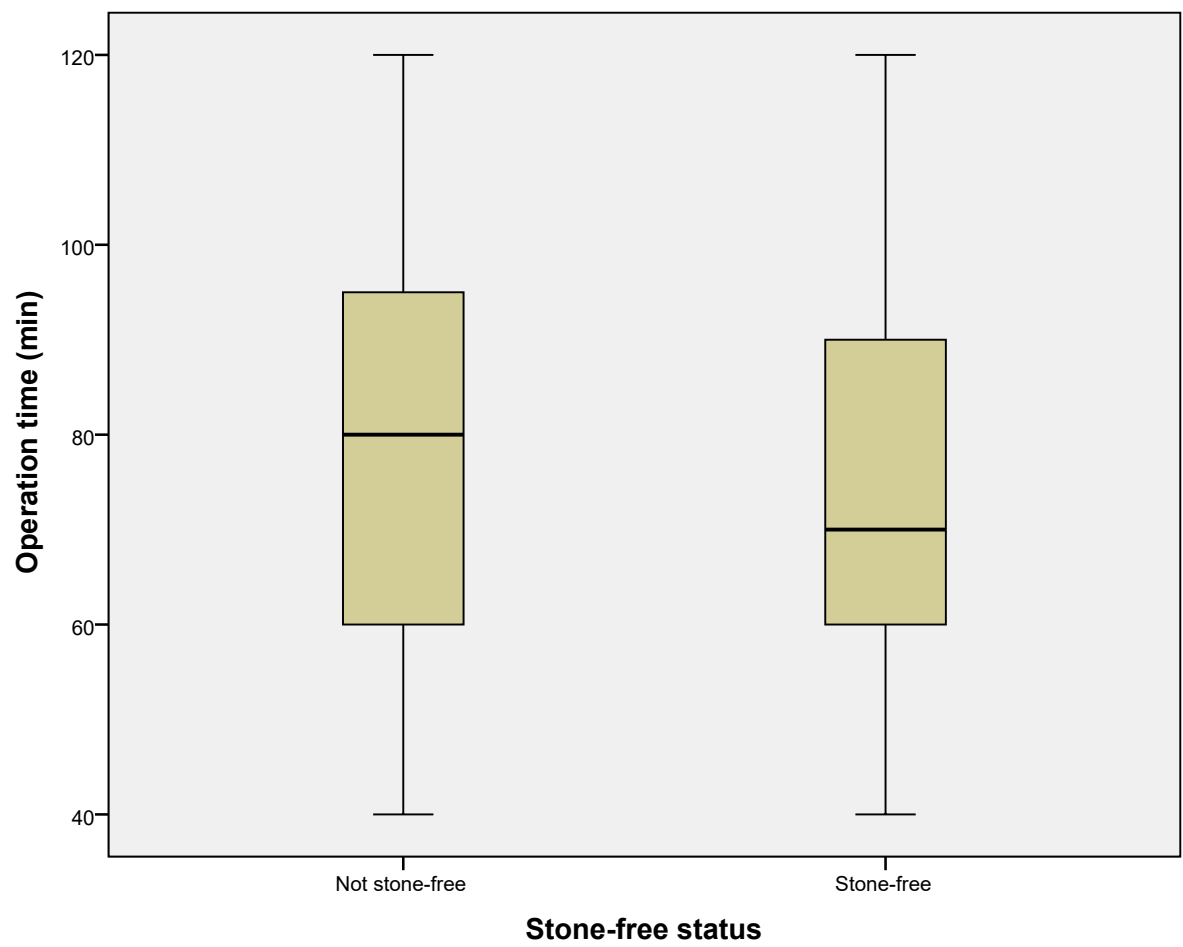




### Detrended Normal Q-Q Plots







## T-Test

**Group Statistics**

| Stone-free status        |                | N  | Mean    | Std. Deviation | Std. Error Mean |
|--------------------------|----------------|----|---------|----------------|-----------------|
| Age (years)              | Not stone-free | 40 | 53,55   | 14,671         | 2,320           |
|                          | Stone-free     | 76 | 49,29   | 12,729         | 1,460           |
| Stone length (mm)        | Not stone-free | 40 | 16,18   | 2,319          | ,367            |
|                          | Stone-free     | 76 | 12,91   | 3,612          | ,414            |
| Stone width (mm)         | Not stone-free | 40 | 11,58   | 2,827          | ,447            |
|                          | Stone-free     | 76 | 10,11   | 3,109          | ,357            |
| Stone density (HU)       | Not stone-free | 40 | 1081,35 | 293,139        | 46,349          |
|                          | Stone-free     | 76 | 968,43  | 362,546        | 41,587          |
| Elbahnasy angle (°)      | Not stone-free | 40 | 49,207  | 15,2045        | 2,4040          |
|                          | Stone-free     | 76 | 53,114  | 14,4225        | 1,6544          |
| Infundibular length (mm) | Not stone-free | 40 | 23,50   | 4,064          | ,643            |
|                          | Stone-free     | 76 | 23,74   | 3,873          | ,444            |

**Independent Samples Test**

|                          |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |         |                 |                 |                       |                                           |         |
|--------------------------|-----------------------------|-----------------------------------------|------|------------------------------|---------|-----------------|-----------------|-----------------------|-------------------------------------------|---------|
|                          |                             | F                                       | Sig. | t                            | df      | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference |         |
|                          |                             |                                         |      |                              |         |                 |                 |                       | Lower                                     | Upper   |
| Age (years)              | Equal variances assumed     | 1,882                                   | ,173 | 1,625                        | 114     | ,107            | 4,261           | 2,622                 | -,934                                     | 9,455   |
|                          | Equal variances not assumed |                                         |      | 1,554                        | 70,289  | ,125            | 4,261           | 2,741                 | -1,206                                    | 9,727   |
| Stone length (mm)        | Equal variances assumed     | 7,377                                   | ,008 | 5,181                        | 114     | ,000            | 3,267           | ,631                  | 2,018                                     | 4,516   |
|                          | Equal variances not assumed |                                         |      | 5,905                        | 109,409 | ,000            | 3,267           | ,553                  | 2,171                                     | 4,364   |
| Stone width (mm)         | Equal variances assumed     | ,918                                    | ,340 | 2,495                        | 114     | ,014            | 1,470           | ,589                  | ,303                                      | 2,637   |
|                          | Equal variances not assumed |                                         |      | 2,570                        | 86,276  | ,012            | 1,470           | ,572                  | ,333                                      | 2,607   |
| Stone density (HU)       | Equal variances assumed     | 2,437                                   | ,121 | 1,698                        | 114     | ,092            | 112,916         | 66,494                | -18,807                                   | 244,639 |
|                          | Equal variances not assumed |                                         |      | 1,813                        | 95,040  | ,073            | 112,916         | 62,271                | -10,708                                   | 236,540 |
| Elbahnasy angle (°)      | Equal variances assumed     | ,043                                    | ,837 | -1,361                       | 114     | ,176            | -3,9070         | 2,8705                | -9,5934                                   | 1,7794  |
|                          | Equal variances not assumed |                                         |      | -1,339                       | 75,840  | ,185            | -3,9070         | 2,9183                | -9,7194                                   | 1,9055  |
| Infundibular length (mm) | Equal variances assumed     | ,855                                    | ,357 | -,308                        | 114     | ,759            | -,237           | ,769                  | -1,761                                    | 1,287   |
|                          | Equal variances not assumed |                                         |      | -,303                        | 76,147  | ,763            | -,237           | ,781                  | -1,793                                    | 1,319   |

## NPar Tests

### Mann-Whitney Test

**Ranks**

|                                 | Stone-free status | N   | Mean Rank | Sum of Ranks |
|---------------------------------|-------------------|-----|-----------|--------------|
| Stone height (mm)               | Not stone-free    | 40  | 66,48     | 2659,00      |
|                                 | Stone-free        | 76  | 54,30     | 4127,00      |
|                                 | Total             | 116 |           |              |
| Stone volume (mm <sup>3</sup> ) | Not stone-free    | 40  | 74,96     | 2998,50      |
|                                 | Stone-free        | 76  | 49,84     | 3787,50      |
|                                 | Total             | 116 |           |              |
| Pelvic stone angle (°)          | Not stone-free    | 40  | 52,08     | 2083,00      |
|                                 | Stone-free        | 76  | 61,88     | 4703,00      |
|                                 | Total             | 116 |           |              |
| Maximum stone-edge angle (°)    | Not stone-free    | 40  | 41,39     | 1655,50      |
|                                 | Stone-free        | 76  | 67,51     | 5130,50      |
|                                 | Total             | 116 |           |              |
| Infundibular width (mm)         | Not stone-free    | 40  | 62,55     | 2502,00      |
|                                 | Stone-free        | 76  | 56,37     | 4284,00      |
|                                 | Total             | 116 |           |              |
| Operation time (min)            | Not stone-free    | 40  | 64,79     | 2591,50      |
|                                 | Stone-free        | 76  | 55,19     | 4194,50      |
|                                 | Total             | 116 |           |              |

**Test Statistics<sup>a</sup>**

|                        | Stone height (mm) | Stone volume (mm <sup>3</sup> ) | Pelvic stone angle (°) | Maximum stone-edge angle (°) | Infundibular width (mm) | Operation time (min) |
|------------------------|-------------------|---------------------------------|------------------------|------------------------------|-------------------------|----------------------|
| Mann-Whitney U         | 1201,000          | 861,500                         | 1263,000               | 835,500                      | 1358,000                | 1268,500             |
| Wilcoxon W             | 4127,000          | 3787,500                        | 2083,000               | 1655,500                     | 4284,000                | 4194,500             |
| Z                      | -1,864            | -3,825                          | -1,493                 | -3,980                       | -,961                   | -1,470               |
| Asymp. Sig. (2-tailed) | ,062              | ,000                            | ,135                   | ,000                         | ,336                    | ,142                 |

a. Grouping Variable: Stone-free status

## Crosstabs

### Case Processing Summary

|                            | Cases |         |         |         |       |         |
|----------------------------|-------|---------|---------|---------|-------|---------|
|                            | Valid |         | Missing |         | Total |         |
|                            | N     | Percent | N       | Percent | N     | Percent |
| Gender * Stone-free status | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |

### Gender \* Stone-free status Crosstabulation

|        |        |                            | Stone-free status |            | Total  |
|--------|--------|----------------------------|-------------------|------------|--------|
|        |        |                            | Not stone-free    | Stone-free |        |
| Gender | Male   | Count                      | 22                | 38         | 60     |
|        |        | Expected Count             | 20,7              | 39,3       | 60,0   |
|        |        | % within Stone-free status | 55,0%             | 50,0%      | 51,7%  |
|        | Female | Count                      | 18                | 38         | 56     |
|        |        | Expected Count             | 19,3              | 36,7       | 56,0   |
|        |        | % within Stone-free status | 45,0%             | 50,0%      | 48,3%  |
| Total  |        | Count                      | 40                | 76         | 116    |
|        |        | Expected Count             | 40,0              | 76,0       | 116,0  |
|        |        | % within Stone-free status | 100,0%            | 100,0%     | 100,0% |

### Chi-Square Tests

|                                    | Value             | df | Asymptotic<br>Significance (2-<br>sided) | Exact Sig. (2-<br>sided) | Exact Sig. (1-<br>sided) |
|------------------------------------|-------------------|----|------------------------------------------|--------------------------|--------------------------|
| Pearson Chi-Square                 | ,262 <sup>a</sup> | 1  | ,608                                     | ,697                     | ,376                     |
| Continuity Correction <sup>b</sup> | ,100              | 1  | ,751                                     |                          |                          |
| Likelihood Ratio                   | ,263              | 1  | ,608                                     |                          |                          |
| Fisher's Exact Test                |                   |    |                                          |                          |                          |
| Linear-by-Linear<br>Association    | ,260              | 1  | ,610                                     |                          |                          |
| N of Valid Cases                   | 116               |    |                                          |                          |                          |

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 19,31.

b. Computed only for a 2x2 table

## Crosstabs

### Case Processing Summary

|                                | Cases |         |         |         |       |         |
|--------------------------------|-------|---------|---------|---------|-------|---------|
|                                | Valid |         | Missing |         | Total |         |
|                                | N     | Percent | N       | Percent | N     | Percent |
| Stone side * Stone-free status | 116   | 100,0%  | 0       | 0,0%    | 116   | 100,0%  |

### Stone side \* Stone-free status Crosstabulation

|            |                            |                            | Stone-free status |            | Total |
|------------|----------------------------|----------------------------|-------------------|------------|-------|
|            |                            |                            | Not stone-free    | Stone-free |       |
| Stone side | Left                       | Count                      | 17                | 45         | 62    |
|            |                            | Expected Count             | 21,4              | 40,6       | 62,0  |
|            |                            | % within Stone-free status | 42,5%             | 59,2%      | 53,4% |
|            | Right                      | Count                      | 23                | 31         | 54    |
|            |                            | Expected Count             | 18,6              | 35,4       | 54,0  |
|            |                            | % within Stone-free status | 57,5%             | 40,8%      | 46,6% |
| Total      | Count                      | 40                         | 76                | 116        |       |
|            | Expected Count             | 40,0                       | 76,0              | 116,0      |       |
|            | % within Stone-free status | 100,0%                     | 100,0%            | 100,0%     |       |

### Chi-Square Tests

|                                    | Value              | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
|------------------------------------|--------------------|----|-----------------------------------|----------------------|----------------------|
| Pearson Chi-Square                 | 2,941 <sup>a</sup> | 1  | ,086                              | ,117                 | ,064                 |
| Continuity Correction <sup>b</sup> | 2,308              | 1  | ,129                              |                      |                      |
| Likelihood Ratio                   | 2,945              | 1  | ,086                              |                      |                      |
| Fisher's Exact Test                |                    |    |                                   |                      |                      |
| Linear-by-Linear Association       | 2,916              | 1  | ,088                              |                      |                      |
| N of Valid Cases                   | 116                |    |                                   |                      |                      |

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 18,62.

b. Computed only for a 2x2 table

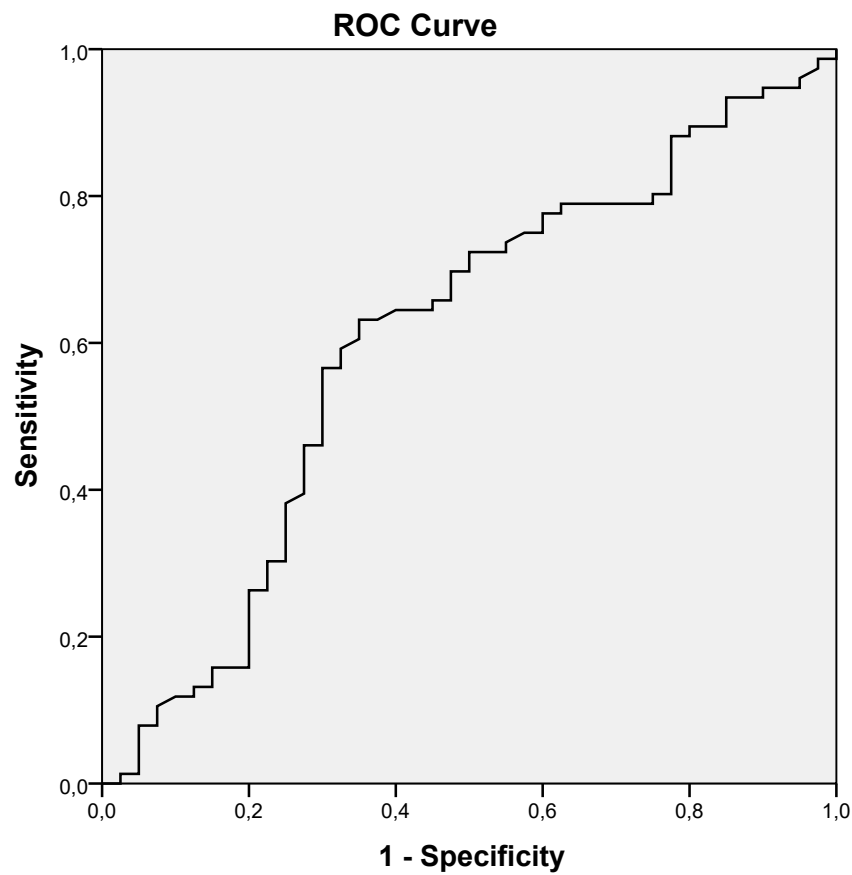
## ROC Curve

### Case Processing Summary

| Stone-free status     | Valid N<br>(listwise) |
|-----------------------|-----------------------|
| Positive <sup>a</sup> | 76                    |
| Negative              | 40                    |

Larger values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The positive actual state is Stone-free.



Diagonal segments are produced by ties.

### Area Under the Curve

Test Result Variable(s): Elbahnasy angle (°)

| Area | Std. Error <sup>a</sup> | Asymptotic Sig. <sup>b</sup> | Asymptotic 95% Confidence Interval |             |
|------|-------------------------|------------------------------|------------------------------------|-------------|
|      |                         |                              | Lower Bound                        | Upper Bound |
| ,603 | ,057                    | ,069                         | ,491                               | ,715        |

The test result variable(s): Elbahnasy angle (°) has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.

- a. Under the nonparametric assumption
- b. Null hypothesis: true area = 0.5

### Coordinates of the Curve

Test Result Variable(s): Elbahnasy angle (°)

| Positive if Greater Than or Equal To <sup>a</sup> | Sensitivity | 1 - Specificity |
|---------------------------------------------------|-------------|-----------------|
| 21,700                                            | 1,000       | 1,000           |
| 23,700                                            | ,987        | 1,000           |
| 25,200                                            | ,987        | ,975            |
| 26,050                                            | ,974        | ,975            |
| 27,750                                            | ,961        | ,950            |
| 29,400                                            | ,947        | ,950            |
| 29,800                                            | ,947        | ,925            |
| 30,150                                            | ,947        | ,900            |
| 30,500                                            | ,934        | ,900            |
| 30,800                                            | ,934        | ,875            |
| 31,500                                            | ,934        | ,850            |
| 32,200                                            | ,921        | ,850            |
| 32,500                                            | ,908        | ,850            |
| 33,150                                            | ,895        | ,850            |
| 33,850                                            | ,895        | ,825            |
| 34,250                                            | ,895        | ,800            |
| 34,550                                            | ,882        | ,800            |
| 34,750                                            | ,882        | ,775            |
| 35,000                                            | ,868        | ,775            |
| 35,350                                            | ,842        | ,775            |
| 35,750                                            | ,829        | ,775            |
| 36,000                                            | ,816        | ,775            |
| 38,300                                            | ,803        | ,775            |
| 41,200                                            | ,803        | ,750            |
| 41,950                                            | ,789        | ,750            |
| 42,150                                            | ,789        | ,725            |
| 42,350                                            | ,789        | ,700            |
| 42,550                                            | ,789        | ,675            |
| 42,800                                            | ,789        | ,650            |
| 43,250                                            | ,789        | ,625            |
| 43,650                                            | ,776        | ,625            |
| 43,950                                            | ,776        | ,600            |

### Coordinates of the Curve

Test Result Variable(s): Elbahnasy angle (°)

| Positive if<br>Greater Than or<br>Equal To <sup>a</sup> | Sensitivity | 1 - Specificity |
|---------------------------------------------------------|-------------|-----------------|
| 44,650                                                  | ,750        | ,600            |
| 45,300                                                  | ,750        | ,575            |
| 45,650                                                  | ,737        | ,550            |
| 45,900                                                  | ,724        | ,550            |
| 46,150                                                  | ,724        | ,525            |
| 46,350                                                  | ,724        | ,500            |
| 46,750                                                  | ,711        | ,500            |
| 47,200                                                  | ,697        | ,500            |
| 47,350                                                  | ,697        | ,475            |
| 47,550                                                  | ,684        | ,475            |
| 47,750                                                  | ,671        | ,475            |
| 47,900                                                  | ,658        | ,475            |
| 48,450                                                  | ,658        | ,450            |
| 49,000                                                  | ,645        | ,450            |
| 49,250                                                  | ,645        | ,425            |
| 49,450                                                  | ,645        | ,400            |
| 49,550                                                  | ,632        | ,375            |
| 49,700                                                  | ,632        | ,350            |
| 49,850                                                  | ,618        | ,350            |
| 49,950                                                  | ,605        | ,350            |
| 50,400                                                  | ,592        | ,325            |
| 50,850                                                  | ,579        | ,325            |
| 51,000                                                  | ,566        | ,325            |
| 51,150                                                  | ,566        | ,300            |
| 51,300                                                  | ,553        | ,300            |
| 51,500                                                  | ,539        | ,300            |
| 51,800                                                  | ,526        | ,300            |
| 52,400                                                  | ,513        | ,300            |
| 53,050                                                  | ,500        | ,300            |
| 53,400                                                  | ,487        | ,300            |
| 53,600                                                  | ,474        | ,300            |
| 53,850                                                  | ,461        | ,300            |
| 54,050                                                  | ,461        | ,275            |
| 54,150                                                  | ,447        | ,275            |
| 54,250                                                  | ,434        | ,275            |
| 54,900                                                  | ,408        | ,275            |
| 56,000                                                  | ,395        | ,275            |
| 56,550                                                  | ,382        | ,250            |
| 56,900                                                  | ,368        | ,250            |
| 57,450                                                  | ,355        | ,250            |
| 58,500                                                  | ,342        | ,250            |
| 59,500                                                  | ,329        | ,250            |
| 59,750                                                  | ,316        | ,250            |
| 59,950                                                  | ,303        | ,250            |
| 60,200                                                  | ,303        | ,225            |
| 60,400                                                  | ,289        | ,225            |

### Coordinates of the Curve

Test Result Variable(s): Elbahnasy angle (°)

| Positive if<br>Greater Than or<br>Equal To <sup>a</sup> | Sensitivity | 1 - Specificity |
|---------------------------------------------------------|-------------|-----------------|
| 61,350                                                  | ,276        | ,225            |
| 62,350                                                  | ,263        | ,225            |
| 62,550                                                  | ,263        | ,200            |
| 63,350                                                  | ,250        | ,200            |
| 64,550                                                  | ,237        | ,200            |
| 65,100                                                  | ,211        | ,200            |
| 65,400                                                  | ,197        | ,200            |
| 65,650                                                  | ,184        | ,200            |
| 66,050                                                  | ,171        | ,200            |
| 66,450                                                  | ,158        | ,200            |
| 66,900                                                  | ,158        | ,150            |
| 67,500                                                  | ,145        | ,150            |
| 68,700                                                  | ,132        | ,150            |
| 69,950                                                  | ,132        | ,125            |
| 70,250                                                  | ,118        | ,125            |
| 70,750                                                  | ,118        | ,100            |
| 71,950                                                  | ,105        | ,075            |
| 73,200                                                  | ,092        | ,075            |
| 75,000                                                  | ,079        | ,075            |
| 76,700                                                  | ,079        | ,050            |
| 78,650                                                  | ,066        | ,050            |
| 80,250                                                  | ,053        | ,050            |
| 80,350                                                  | ,039        | ,050            |
| 80,900                                                  | ,026        | ,050            |
| 81,850                                                  | ,013        | ,050            |
| 82,800                                                  | ,013        | ,025            |
| 83,850                                                  | ,000        | ,025            |
| 85,400                                                  | ,000        | ,000            |

The test result variable(s): Elbahnasy angle (°) has at least one tie between the positive actual state group and the negative actual state group.

- a. The smallest cutoff value is the minimum observed test value minus 1, and the largest cutoff value is the maximum observed test value plus 1. All the other cutoff values are the averages of two consecutive ordered observed test values.

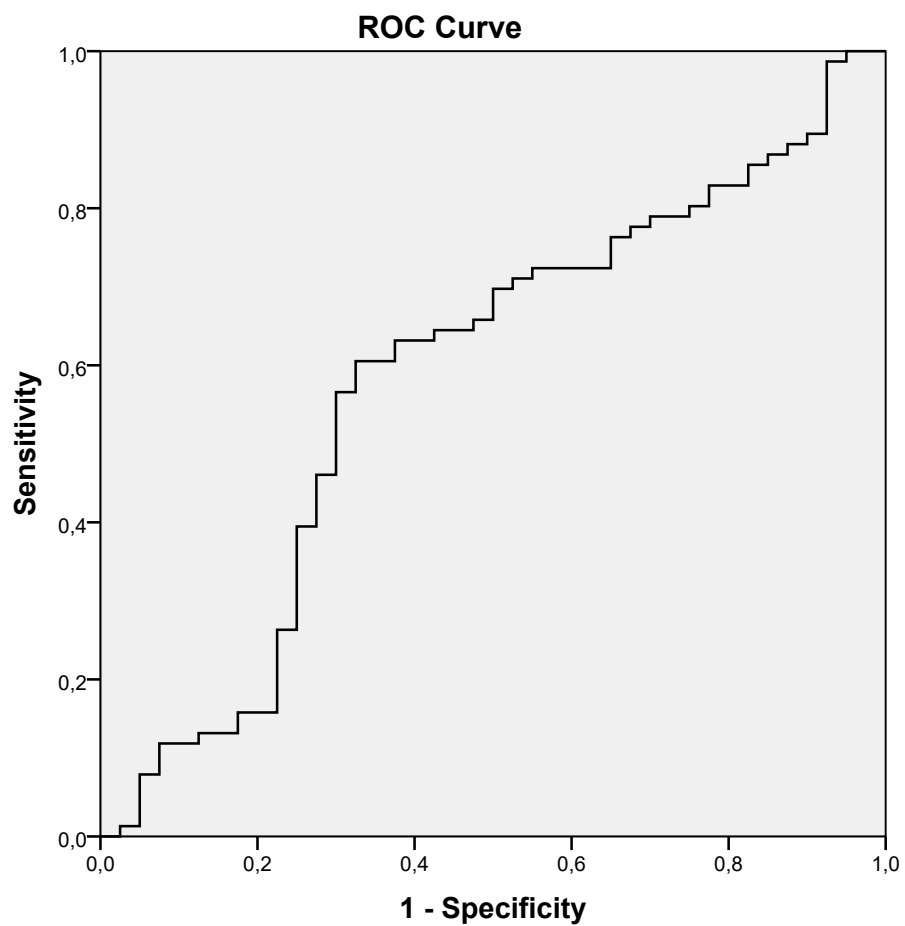
## ROC Curve

Case Processing Summary

| Stone-free status     | Valid N<br>(listwise) |
|-----------------------|-----------------------|
| Positive <sup>a</sup> | 76                    |
| Negative              | 40                    |

Larger values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The positive actual state is Stone-free.



### Area Under the Curve

Test Result Variable(s): Pelvic stone angle (°)

| Area | Std. Error <sup>a</sup> | Asymptotic Sig. <sup>b</sup> | Asymptotic 95% Confidence Interval |             |
|------|-------------------------|------------------------------|------------------------------------|-------------|
|      |                         |                              | Lower Bound                        | Upper Bound |
| ,585 | ,057                    | ,135                         | ,472                               | ,697        |

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

### Coordinates of the Curve

Test Result Variable(s): Pelvic stone angle (°)

| Positive if Greater Than or Equal To <sup>a</sup> | Sensitivity | 1 - Specificity |
|---------------------------------------------------|-------------|-----------------|
| 23,700                                            | 1,000       | 1,000           |
| 24,950                                            | 1,000       | ,975            |
| 25,450                                            | 1,000       | ,950            |
| 26,000                                            | ,987        | ,950            |
| 26,550                                            | ,987        | ,925            |
| 26,950                                            | ,974        | ,925            |
| 27,150                                            | ,961        | ,925            |
| 27,400                                            | ,947        | ,925            |
| 27,650                                            | ,934        | ,925            |
| 27,800                                            | ,921        | ,925            |
| 28,000                                            | ,908        | ,925            |
| 28,900                                            | ,895        | ,925            |
| 30,200                                            | ,895        | ,900            |
| 31,000                                            | ,882        | ,900            |
| 31,350                                            | ,882        | ,875            |
| 31,950                                            | ,868        | ,875            |
| 32,600                                            | ,868        | ,850            |
| 32,750                                            | ,855        | ,850            |
| 32,850                                            | ,855        | ,825            |
| 32,950                                            | ,842        | ,825            |
| 33,050                                            | ,829        | ,825            |
| 33,150                                            | ,829        | ,800            |
| 33,250                                            | ,829        | ,775            |
| 33,350                                            | ,816        | ,775            |
| 33,450                                            | ,803        | ,775            |
| 33,550                                            | ,803        | ,750            |
| 33,650                                            | ,789        | ,750            |
| 33,750                                            | ,789        | ,725            |
| 33,850                                            | ,789        | ,700            |
| 33,950                                            | ,776        | ,700            |
| 34,050                                            | ,776        | ,675            |
| 34,150                                            | ,763        | ,675            |
| 34,250                                            | ,763        | ,650            |
| 34,350                                            | ,750        | ,650            |
| 34,450                                            | ,737        | ,650            |

### Coordinates of the Curve

Test Result Variable(s): Pelvic stone angle (°)

| Positive if<br>Greater Than or<br>Equal To <sup>a</sup> | Sensitivity | 1 - Specificity |
|---------------------------------------------------------|-------------|-----------------|
| 34,550                                                  | ,724        | ,650            |
| 34,650                                                  | ,724        | ,625            |
| 34,750                                                  | ,724        | ,600            |
| 34,850                                                  | ,724        | ,575            |
| 34,950                                                  | ,724        | ,550            |
| 35,050                                                  | ,711        | ,550            |
| 35,150                                                  | ,711        | ,525            |
| 35,250                                                  | ,697        | ,525            |
| 35,350                                                  | ,697        | ,500            |
| 35,550                                                  | ,684        | ,500            |
| 35,750                                                  | ,671        | ,500            |
| 35,900                                                  | ,658        | ,500            |
| 36,450                                                  | ,658        | ,475            |
| 37,000                                                  | ,645        | ,475            |
| 37,250                                                  | ,645        | ,450            |
| 37,450                                                  | ,645        | ,425            |
| 37,550                                                  | ,632        | ,425            |
| 37,650                                                  | ,632        | ,400            |
| 37,750                                                  | ,632        | ,375            |
| 37,850                                                  | ,618        | ,375            |
| 37,950                                                  | ,605        | ,375            |
| 38,050                                                  | ,605        | ,350            |
| 38,150                                                  | ,605        | ,325            |
| 38,500                                                  | ,592        | ,325            |
| 38,850                                                  | ,579        | ,325            |
| 39,000                                                  | ,566        | ,325            |
| 39,150                                                  | ,566        | ,300            |
| 39,300                                                  | ,553        | ,300            |
| 39,500                                                  | ,539        | ,300            |
| 39,800                                                  | ,526        | ,300            |
| 40,400                                                  | ,513        | ,300            |
| 41,050                                                  | ,500        | ,300            |
| 41,400                                                  | ,487        | ,300            |
| 41,600                                                  | ,474        | ,300            |
| 41,850                                                  | ,461        | ,300            |
| 42,050                                                  | ,461        | ,275            |
| 42,150                                                  | ,447        | ,275            |
| 42,250                                                  | ,434        | ,275            |
| 42,350                                                  | ,421        | ,275            |
| 42,950                                                  | ,408        | ,275            |
| 43,950                                                  | ,395        | ,275            |
| 44,450                                                  | ,395        | ,250            |
| 44,550                                                  | ,382        | ,250            |
| 44,900                                                  | ,368        | ,250            |
| 45,450                                                  | ,355        | ,250            |
| 46,500                                                  | ,342        | ,250            |

### Coordinates of the Curve

Test Result Variable(s): Pelvic stone angle (°)

| Positive if<br>Greater Than or<br>Equal To <sup>a</sup> | Sensitivity | 1 - Specificity |
|---------------------------------------------------------|-------------|-----------------|
| 47,500                                                  | ,329        | ,250            |
| 47,750                                                  | ,316        | ,250            |
| 48,050                                                  | ,303        | ,250            |
| 48,400                                                  | ,289        | ,250            |
| 49,350                                                  | ,276        | ,250            |
| 50,350                                                  | ,263        | ,250            |
| 50,550                                                  | ,263        | ,225            |
| 51,350                                                  | ,250        | ,225            |
| 52,500                                                  | ,237        | ,225            |
| 52,950                                                  | ,224        | ,225            |
| 53,100                                                  | ,211        | ,225            |
| 53,400                                                  | ,197        | ,225            |
| 53,650                                                  | ,184        | ,225            |
| 54,050                                                  | ,171        | ,225            |
| 54,450                                                  | ,158        | ,225            |
| 54,550                                                  | ,158        | ,200            |
| 54,950                                                  | ,158        | ,175            |
| 55,500                                                  | ,145        | ,175            |
| 55,850                                                  | ,132        | ,175            |
| 56,850                                                  | ,132        | ,150            |
| 57,950                                                  | ,132        | ,125            |
| 58,250                                                  | ,118        | ,125            |
| 58,750                                                  | ,118        | ,100            |
| 59,250                                                  | ,118        | ,075            |
| 60,000                                                  | ,105        | ,075            |
| 61,200                                                  | ,092        | ,075            |
| 63,000                                                  | ,079        | ,075            |
| 64,700                                                  | ,079        | ,050            |
| 66,650                                                  | ,066        | ,050            |
| 68,250                                                  | ,053        | ,050            |
| 68,350                                                  | ,039        | ,050            |
| 68,900                                                  | ,026        | ,050            |
| 69,850                                                  | ,013        | ,050            |
| 70,800                                                  | ,013        | ,025            |
| 71,850                                                  | ,000        | ,025            |
| 73,400                                                  | ,000        | ,000            |

a. The smallest cutoff value is the minimum observed test value minus 1, and the largest cutoff value is the maximum observed test value plus 1. All the other cutoff values are the averages of two consecutive ordered observed test values.

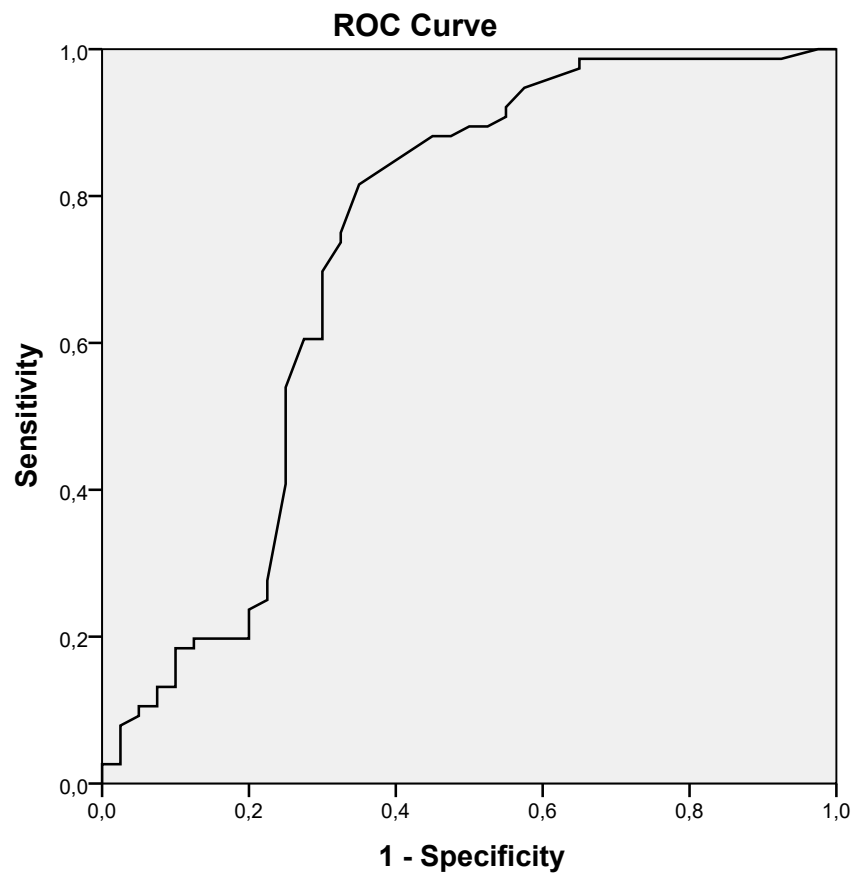
## ROC Curve

Case Processing Summary

| Stone-free status     | Valid N<br>(listwise) |
|-----------------------|-----------------------|
| Positive <sup>a</sup> | 76                    |
| Negative              | 40                    |

Larger values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The positive actual state is Stone-free.



Diagonal segments are produced by ties.

### Area Under the Curve

Test Result Variable(s): Maximum stone-edge angle (°)

| Area | Std. Error <sup>a</sup> | Asymptotic Sig. <sup>b</sup> | Asymptotic 95% Confidence Interval |             |
|------|-------------------------|------------------------------|------------------------------------|-------------|
|      |                         |                              | Lower Bound                        | Upper Bound |
| ,725 | ,057                    | ,000                         | ,614                               | ,836        |

The test result variable(s): Maximum stone-edge angle (°) has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.

- a. Under the nonparametric assumption
- b. Null hypothesis: true area = 0.5

### Coordinates of the Curve

Test Result Variable(s): Maximum stone-edge

| Positive if Greater Than or Equal To <sup>a</sup> | Sensitivity | 1 - Specificity |
|---------------------------------------------------|-------------|-----------------|
| 16,700                                            | 1,000       | 1,000           |
| 18,600                                            | 1,000       | ,975            |
| 20,000                                            | ,987        | ,925            |
| 20,750                                            | ,987        | ,900            |
| 21,250                                            | ,987        | ,750            |
| 21,650                                            | ,987        | ,650            |
| 21,900                                            | ,974        | ,650            |
| 22,250                                            | ,947        | ,575            |
| 22,700                                            | ,921        | ,550            |
| 22,950                                            | ,908        | ,550            |
| 23,500                                            | ,895        | ,525            |
| 24,500                                            | ,895        | ,500            |
| 25,050                                            | ,882        | ,475            |
| 25,300                                            | ,882        | ,450            |
| 25,750                                            | ,816        | ,350            |
| 26,200                                            | ,750        | ,325            |
| 26,450                                            | ,737        | ,325            |
| 26,750                                            | ,697        | ,300            |
| 27,250                                            | ,632        | ,300            |
| 27,650                                            | ,605        | ,300            |
| 27,900                                            | ,605        | ,275            |
| 28,250                                            | ,539        | ,250            |
| 28,750                                            | ,526        | ,250            |
| 29,250                                            | ,500        | ,250            |
| 29,750                                            | ,474        | ,250            |
| 30,250                                            | ,461        | ,250            |
| 30,750                                            | ,434        | ,250            |
| 31,250                                            | ,408        | ,250            |
| 31,750                                            | ,276        | ,225            |
| 32,500                                            | ,250        | ,225            |
| 33,500                                            | ,237        | ,200            |
| 34,250                                            | ,211        | ,200            |

### Coordinates of the Curve

Test Result Variable(s): Maximum stone-edge

| Positive if<br>Greater Than or<br>Equal To <sup>a</sup> | Sensitivity | 1 - Specificity |
|---------------------------------------------------------|-------------|-----------------|
| 34,750                                                  | ,197        | ,200            |
| 35,750                                                  | ,197        | ,175            |
| 36,850                                                  | ,197        | ,150            |
| 37,350                                                  | ,197        | ,125            |
| 38,000                                                  | ,184        | ,125            |
| 38,750                                                  | ,184        | ,100            |
| 39,500                                                  | ,171        | ,100            |
| 40,500                                                  | ,158        | ,100            |
| 41,250                                                  | ,145        | ,100            |
| 42,250                                                  | ,132        | ,100            |
| 43,250                                                  | ,132        | ,075            |
| 43,750                                                  | ,118        | ,075            |
| 44,250                                                  | ,105        | ,075            |
| 45,250                                                  | ,105        | ,050            |
| 46,500                                                  | ,092        | ,050            |
| 48,000                                                  | ,079        | ,025            |
| 49,750                                                  | ,066        | ,025            |
| 51,000                                                  | ,053        | ,025            |
| 51,750                                                  | ,039        | ,025            |
| 52,500                                                  | ,026        | ,025            |
| 53,750                                                  | ,026        | ,000            |
| 56,500                                                  | ,013        | ,000            |
| 59,500                                                  | ,000        | ,000            |

The test result variable(s): Maximum stone-edge angle (°) has at least one tie between the positive actual state group and the negative actual state group.

- a. The smallest cutoff value is the minimum observed test value minus 1, and the largest cutoff value is the maximum observed test value plus 1. All the other cutoff values are the averages of two consecutive ordered observed test values.

## Logistic Regression

**Case Processing Summary**

| Unweighted Cases <sup>a</sup> |                      | N   | Percent |
|-------------------------------|----------------------|-----|---------|
| Selected Cases                | Included in Analysis | 116 | 100,0   |
|                               | Missing Cases        | 0   | ,0      |
|                               | Total                | 116 | 100,0   |
| Unselected Cases              |                      | 0   | ,0      |
| Total                         |                      | 116 | 100,0   |

a. If weight is in effect, see classification table for the total number of cases.

**Dependent Variable Encoding**

| Original Value | Internal Value |
|----------------|----------------|
| Not stone-free | 0              |
| Stone-free     | 1              |

**Categorical Variables Codings**

|                           |              | Frequency | Parameter coding<br>(1) |
|---------------------------|--------------|-----------|-------------------------|
| MSEA cutoff 25.75 degrees | MSEA <25,75° | 40        | ,000                    |
|                           | MSEA ≥25,75° | 76        | 1,000                   |

## Block 0: Beginning Block

**Classification Table<sup>a,b</sup>**

| Observed           |                   |                | Predicted         |            |                    |
|--------------------|-------------------|----------------|-------------------|------------|--------------------|
|                    |                   |                | Stone-free status |            | Percentage Correct |
|                    |                   |                | Not stone-free    | Stone-free |                    |
| Step 0             | Stone-free status | Not stone-free | 0                 | 40         | ,0                 |
|                    |                   | Stone-free     | 0                 | 76         | 100,0              |
| Overall Percentage |                   |                |                   |            | 65,5               |

a. Constant is included in the model.

b. The cut value is ,500

**Variables in the Equation**

|                 | B    | S.E. | Wald   | df | Sig. | Exp(B) |
|-----------------|------|------|--------|----|------|--------|
| Step 0 Constant | ,642 | ,195 | 10,797 | 1  | ,001 | 1,900  |

#### Variables not in the Equation

|        |                    |               | Score  | df | Sig. |
|--------|--------------------|---------------|--------|----|------|
| Step 0 | Variables          | MSEA_Group(1) | 25,167 | 1  | ,000 |
|        | Overall Statistics |               | 25,167 | 1  | ,000 |

### Block 1: Method = Enter

#### Omnibus Tests of Model Coefficients

|        |       | Chi-square | df | Sig. |
|--------|-------|------------|----|------|
| Step 1 | Step  | 25,042     | 1  | ,000 |
|        | Block | 25,042     | 1  | ,000 |
|        | Model | 25,042     | 1  | ,000 |

#### Model Summary

| Step | -2 Log likelihood    | Cox & Snell R Square | Nagelkerke R Square |
|------|----------------------|----------------------|---------------------|
| 1    | 124,409 <sup>a</sup> | ,194                 | ,268                |

a. Estimation terminated at iteration number 4 because parameter estimates changed by less than ,001.

#### Hosmer and Lemeshow Test

| Step | Chi-square | df | Sig. |
|------|------------|----|------|
| 1    | ,000       | 0  | .    |

#### Contingency Table for Hosmer and Lemeshow Test

|        |   | Stone-free status = Not stone-free |          | Stone-free status = Stone-free |          | Total |
|--------|---|------------------------------------|----------|--------------------------------|----------|-------|
|        |   | Observed                           | Expected | Observed                       | Expected |       |
| Step 1 | 1 | 26                                 | 26,000   | 14                             | 14,000   | 40    |
|        | 2 | 14                                 | 14,000   | 62                             | 62,000   | 76    |

#### Classification Table<sup>a</sup>

|          |                    |                | Predicted         |            |                    |
|----------|--------------------|----------------|-------------------|------------|--------------------|
|          |                    |                | Stone-free status |            | Percentage Correct |
| Observed |                    |                | Not stone-free    | Stone-free |                    |
| Step 1   | Stone-free status  | Not stone-free | 26                | 14         | 65,0               |
|          |                    | Stone-free     | 14                | 62         | 81,6               |
|          | Overall Percentage |                |                   |            | 75,9               |

a. The cut value is ,500

**Variables in the Equation**

|                     |               | B     | S.E. | Wald   | df | Sig. | Exp(B) | 95% C.I. for EXP(B) |        |
|---------------------|---------------|-------|------|--------|----|------|--------|---------------------|--------|
|                     |               |       |      |        |    |      |        | Lower               | Upper  |
| Step 1 <sup>a</sup> | MSEA_Group(1) | 2,107 | ,444 | 22,487 | 1  | ,000 | 8,224  | 3,443               | 19,649 |
|                     | Constant      | -,619 | ,331 | 3,487  | 1  | ,062 | ,538   |                     |        |

a. Variable(s) entered on step 1: MSEA\_Group.

## Logistic Regression

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e Son.sav

### Case Processing Summary

| Unweighted Cases <sup>a</sup> |                      | N   | Percent |
|-------------------------------|----------------------|-----|---------|
| Selected Cases                | Included in Analysis | 116 | 100,0   |
|                               | Missing Cases        | 0   | ,0      |
|                               | Total                | 116 | 100,0   |
| Unselected Cases              |                      | 0   | ,0      |
| Total                         |                      | 116 | 100,0   |

a. If weight is in effect, see classification table for the total number of cases.

### Dependent Variable Encoding

| Original Value | Internal Value |
|----------------|----------------|
| Not stone-free | 0              |
| Stone-free     | 1              |

### Categorical Variables Codings

|                           |              | Frequency | Parameter coding |
|---------------------------|--------------|-----------|------------------|
|                           |              |           | (1)              |
| Gender                    | Male         | 60        | ,000             |
|                           | Female       | 56        | 1,000            |
| MSEA cutoff 25.75 degrees | MSEA <25,75° | 40        | ,000             |
|                           | MSEA ≥25,75° | 76        | 1,000            |

## Block 0: Beginning Block

### Classification Table<sup>a,b</sup>

| Observed |                    |                | Predicted         |            |                    |
|----------|--------------------|----------------|-------------------|------------|--------------------|
|          |                    |                | Stone-free status |            | Percentage Correct |
|          |                    |                | Not stone-free    | Stone-free |                    |
| Step 0   | Stone-free status  | Not stone-free | 0                 | 40         | ,0                 |
|          |                    | Stone-free     | 0                 | 76         | 100,0              |
|          | Overall Percentage |                |                   |            | 65,5               |

a. Constant is included in the model.

b. The cut value is ,500

#### Variables in the Equation

|                 | B    | S.E. | Wald   | df | Sig. | Exp(B) |
|-----------------|------|------|--------|----|------|--------|
| Step 0 Constant | ,642 | ,195 | 10,797 | 1  | ,001 | 1,900  |

#### Variables not in the Equation

|                                | Score  | df | Sig. |
|--------------------------------|--------|----|------|
| Step 0 Variables MSEA_Group(1) | 25,167 | 1  | ,000 |
| L                              | 22,106 | 1  | ,000 |
| Density                        | 2,862  | 1  | ,091 |
| Gender(1)                      | ,262   | 1  | ,608 |
| Overall Statistics             | 40,608 | 4  | ,000 |

### Block 1: Method = Enter

#### Omnibus Tests of Model Coefficients

|             | Chi-square | df | Sig. |
|-------------|------------|----|------|
| Step 1 Step | 47,628     | 4  | ,000 |
| Block       | 47,628     | 4  | ,000 |
| Model       | 47,628     | 4  | ,000 |

#### Model Summary

| Step | -2 Log likelihood    | Cox & Snell R Square | Nagelkerke R Square |
|------|----------------------|----------------------|---------------------|
| 1    | 101,823 <sup>a</sup> | ,337                 | ,465                |

a. Estimation terminated at iteration number 5 because parameter estimates changed by less than ,001.

#### Hosmer and Lemeshow Test

| Step | Chi-square | df | Sig. |
|------|------------|----|------|
| 1    | 5,135      | 8  | ,743 |

**Contingency Table for Hosmer and Lemeshow Test**

|        |    | Stone-free status = Not stone-free |          | Stone-free status = Stone-free |          | Total |
|--------|----|------------------------------------|----------|--------------------------------|----------|-------|
|        |    | Observed                           | Expected | Observed                       | Expected |       |
| Step 1 | 1  | 10                                 | 10,411   | 2                              | 1,589    | 12    |
|        | 2  | 9                                  | 8,764    | 3                              | 3,236    | 12    |
|        | 3  | 7                                  | 6,802    | 5                              | 5,198    | 12    |
|        | 4  | 6                                  | 5,321    | 6                              | 6,679    | 12    |
|        | 5  | 2                                  | 3,647    | 10                             | 8,353    | 12    |
|        | 6  | 4                                  | 2,216    | 8                              | 9,784    | 12    |
|        | 7  | 1                                  | 1,376    | 11                             | 10,624   | 12    |
|        | 8  | 0                                  | ,912     | 12                             | 11,088   | 12    |
|        | 9  | 1                                  | ,433     | 11                             | 11,567   | 12    |
|        | 10 | 0                                  | ,117     | 8                              | 7,883    | 8     |

**Classification Table<sup>a</sup>**

| Observed           |                   |                | Predicted         |            |                    |
|--------------------|-------------------|----------------|-------------------|------------|--------------------|
|                    |                   |                | Stone-free status |            | Percentage Correct |
|                    |                   |                | Not stone-free    | Stone-free |                    |
| Step 1             | Stone-free status | Not stone-free | 26                | 14         | 65,0               |
|                    |                   | Stone-free     | 11                | 65         | 85,5               |
| Overall Percentage |                   |                |                   |            | 78,4               |

a. The cut value is ,500

**Variables in the Equation**

|                     |               | B     | S.E.  | Wald   | df | Sig. | Exp(B) | 95% C.I. for EXP(B) |        |
|---------------------|---------------|-------|-------|--------|----|------|--------|---------------------|--------|
|                     |               |       |       |        |    |      |        | Lower               | Upper  |
| Step 1 <sup>a</sup> | MSEA_Group(1) | 2,266 | ,519  | 19,027 | 1  | ,000 | 9,641  | 3,483               | 26,688 |
|                     | L             | -,354 | ,091  | 15,037 | 1  | ,000 | ,702   | ,587                | ,839   |
|                     | Density       | ,000  | ,001  | ,010   | 1  | ,921 | 1,000  | ,998                | 1,001  |
|                     | Gender(1)     | ,159  | ,500  | ,101   | 1  | ,751 | 1,172  | ,440                | 3,122  |
|                     | Constant      | 4,529 | 1,448 | 9,778  | 1  | ,002 | 92,699 |                     |        |

a. Variable(s) entered on step 1: MSEA\_Group, L, Density, Gender.

## Logistic Regression

**Case Processing Summary**

| Unweighted Cases <sup>a</sup> |                      | N   | Percent |
|-------------------------------|----------------------|-----|---------|
| Selected Cases                | Included in Analysis | 116 | 100,0   |
|                               | Missing Cases        | 0   | ,0      |
|                               | Total                | 116 | 100,0   |
| Unselected Cases              |                      | 0   | ,0      |
| Total                         |                      | 116 | 100,0   |

a. If weight is in effect, see classification table for the total number of cases.

**Dependent Variable Encoding**

| Original Value | Internal Value |
|----------------|----------------|
| Not stone-free | 0              |
| Stone-free     | 1              |

**Categorical Variables Codings**

|                           |              | Frequency | Parameter coding |
|---------------------------|--------------|-----------|------------------|
|                           |              |           | (1)              |
| Gender                    | Male         | 60        | ,000             |
|                           | Female       | 56        | 1,000            |
| MSEA cutoff 25.75 degrees | MSEA <25,75° | 40        | ,000             |
|                           | MSEA ≥25,75° | 76        | 1,000            |

## Block 0: Beginning Block

**Classification Table<sup>a,b</sup>**

| Observed |                    |                | Predicted         |            |                    |
|----------|--------------------|----------------|-------------------|------------|--------------------|
|          |                    |                | Stone-free status |            | Percentage Correct |
|          |                    |                | Not stone-free    | Stone-free |                    |
| Step 0   | Stone-free status  | Not stone-free | 0                 | 40         | ,0                 |
|          |                    | Stone-free     | 0                 | 76         | 100,0              |
|          | Overall Percentage |                |                   |            | 65,5               |

a. Constant is included in the model.

b. The cut value is ,500

#### Variables in the Equation

|                 | B    | S.E. | Wald   | df | Sig. | Exp(B) |
|-----------------|------|------|--------|----|------|--------|
| Step 0 Constant | ,642 | ,195 | 10,797 | 1  | ,001 | 1,900  |

#### Variables not in the Equation

|                                | Score  | df | Sig. |
|--------------------------------|--------|----|------|
| Step 0 Variables MSEA_Group(1) | 25,167 | 1  | ,000 |
| Density                        | 2,862  | 1  | ,091 |
| Gender(1)                      | ,262   | 1  | ,608 |
| Volume                         | 14,331 | 1  | ,000 |
| Overall Statistics             | 35,468 | 4  | ,000 |

### Block 1: Method = Enter

#### Omnibus Tests of Model Coefficients

|             | Chi-square | df | Sig. |
|-------------|------------|----|------|
| Step 1 Step | 38,834     | 4  | ,000 |
| Block       | 38,834     | 4  | ,000 |
| Model       | 38,834     | 4  | ,000 |

#### Model Summary

| Step | -2 Log likelihood    | Cox & Snell R Square | Nagelkerke R Square |
|------|----------------------|----------------------|---------------------|
| 1    | 110,617 <sup>a</sup> | ,285                 | ,393                |

a. Estimation terminated at iteration number 5 because parameter estimates changed by less than ,001.

#### Hosmer and Lemeshow Test

| Step | Chi-square | df | Sig. |
|------|------------|----|------|
| 1    | 8,618      | 8  | ,376 |

**Contingency Table for Hosmer and Lemeshow Test**

|        |    | Stone-free status = Not stone-free |          | Stone-free status = Stone-free |          | Total |
|--------|----|------------------------------------|----------|--------------------------------|----------|-------|
|        |    | Observed                           | Expected | Observed                       | Expected |       |
| Step 1 | 1  | 10                                 | 10,150   | 2                              | 1,850    | 12    |
|        | 2  | 9                                  | 8,417    | 3                              | 3,583    | 12    |
|        | 3  | 6                                  | 6,640    | 6                              | 5,360    | 12    |
|        | 4  | 4                                  | 4,718    | 8                              | 7,282    | 12    |
|        | 5  | 3                                  | 3,065    | 9                              | 8,935    | 12    |
|        | 6  | 5                                  | 2,445    | 7                              | 9,555    | 12    |
|        | 7  | 0                                  | 2,059    | 12                             | 9,941    | 12    |
|        | 8  | 1                                  | 1,380    | 11                             | 10,620   | 12    |
|        | 9  | 2                                  | ,812     | 10                             | 11,188   | 12    |
|        | 10 | 0                                  | ,314     | 8                              | 7,686    | 8     |

**Classification Table<sup>a</sup>**

|                    |                   |                | Predicted         |            |                    |
|--------------------|-------------------|----------------|-------------------|------------|--------------------|
|                    |                   |                | Stone-free status |            | Percentage Correct |
|                    |                   |                | Not stone-free    | Stone-free |                    |
| Step 1             | Observed          |                |                   |            |                    |
|                    | Stone-free status | Not stone-free | 25                | 15         | 62,5               |
|                    |                   | Stone-free     | 9                 | 67         | 88,2               |
| Overall Percentage |                   |                |                   |            | 79,3               |

a. The cut value is ,500

**Variables in the Equation**

|                     |               | B     | S.E. | Wald   | df | Sig. | Exp(B) | 95% C.I. for EXP(B) |        |
|---------------------|---------------|-------|------|--------|----|------|--------|---------------------|--------|
|                     |               |       |      |        |    |      |        | Lower               | Upper  |
| Step 1 <sup>a</sup> | MSEA_Group(1) | 2,209 | ,490 | 20,327 | 1  | ,000 | 9,107  | 3,486               | 23,790 |
|                     | Density       | ,000  | ,001 | ,000   | 1  | ,986 | 1,000  | ,998                | 1,002  |
|                     | Gender(1)     | ,453  | ,489 | ,855   | 1  | ,355 | 1,572  | ,603                | 4,103  |
|                     | Volume        | -,002 | ,001 | 9,227  | 1  | ,002 | ,998   | ,997                | ,999   |
|                     | Constant      | ,917  | ,883 | 1,078  | 1  | ,299 | 2,501  |                     |        |

a. Variable(s) entered on step 1: MSEA\_Group, Density, Gender, Volume.

## Logistic Regression

**Case Processing Summary**

| Unweighted Cases <sup>a</sup> |                      | N   | Percent |
|-------------------------------|----------------------|-----|---------|
| Selected Cases                | Included in Analysis | 116 | 100,0   |
|                               | Missing Cases        | 0   | ,0      |
|                               | Total                | 116 | 100,0   |
| Unselected Cases              |                      | 0   | ,0      |
| Total                         |                      | 116 | 100,0   |

a. If weight is in effect, see classification table for the total number of cases.

**Dependent Variable Encoding**

| Original Value | Internal Value |
|----------------|----------------|
| Not stone-free | 0              |
| Stone-free     | 1              |

**Categorical Variables Codings**

|                           |              | Frequency | Parameter coding |
|---------------------------|--------------|-----------|------------------|
|                           |              |           | (1)              |
| Gender                    | Male         | 60        | ,000             |
|                           | Female       | 56        | 1,000            |
| MSEA cutoff 25.75 degrees | MSEA <25,75° | 40        | ,000             |
|                           | MSEA ≥25,75° | 76        | 1,000            |

## Block 0: Beginning Block

**Classification Table<sup>a,b</sup>**

| Observed |                    |                | Predicted         |            |                    |
|----------|--------------------|----------------|-------------------|------------|--------------------|
|          |                    |                | Stone-free status |            | Percentage Correct |
|          |                    |                | Not stone-free    | Stone-free |                    |
| Step 0   | Stone-free status  | Not stone-free | 0                 | 40         | ,0                 |
|          |                    | Stone-free     | 0                 | 76         | 100,0              |
|          | Overall Percentage |                |                   |            | 65,5               |

a. Constant is included in the model.

b. The cut value is ,500

#### Variables in the Equation

|                 | B    | S.E. | Wald   | df | Sig. | Exp(B) |
|-----------------|------|------|--------|----|------|--------|
| Step 0 Constant | ,642 | ,195 | 10,797 | 1  | ,001 | 1,900  |

#### Variables not in the Equation

|                                | Score  | df | Sig. |
|--------------------------------|--------|----|------|
| Step 0 Variables MSEA_Group(1) | 25,167 | 1  | ,000 |
| Density                        | 2,862  | 1  | ,091 |
| Gender(1)                      | ,262   | 1  | ,608 |
| L                              | 22,106 | 1  | ,000 |
| Overall Statistics             | 40,608 | 4  | ,000 |

### Block 1: Method = Backward Stepwise (Likelihood Ratio)

#### Omnibus Tests of Model Coefficients

|                          | Chi-square | df | Sig. |
|--------------------------|------------|----|------|
| Step 1 Step              | 47,628     | 4  | ,000 |
| Block                    | 47,628     | 4  | ,000 |
| Model                    | 47,628     | 4  | ,000 |
| Step 2 <sup>a</sup> Step | -,010      | 1  | ,921 |
| Block                    | 47,618     | 3  | ,000 |
| Model                    | 47,618     | 3  | ,000 |
| Step 3 <sup>a</sup> Step | -,108      | 1  | ,743 |
| Block                    | 47,510     | 2  | ,000 |
| Model                    | 47,510     | 2  | ,000 |

a. A negative Chi-squares value indicates that the Chi-squares value has decreased from the previous step.

#### Model Summary

| Step | -2 Log likelihood    | Cox & Snell R Square | Nagelkerke R Square |
|------|----------------------|----------------------|---------------------|
| 1    | 101,823 <sup>a</sup> | ,337                 | ,465                |
| 2    | 101,833 <sup>a</sup> | ,337                 | ,465                |
| 3    | 101,941 <sup>a</sup> | ,336                 | ,464                |

a. Estimation terminated at iteration number 5 because parameter estimates changed by less than ,001.

#### Hosmer and Lemeshow Test

| Step | Chi-square | df | Sig. |
|------|------------|----|------|
| 1    | 5,135      | 8  | ,743 |
| 2    | 8,391      | 8  | ,396 |
| 3    | 5,164      | 7  | ,640 |

**Contingency Table for Hosmer and Lemeshow Test**

|        |    | Stone-free status = Not stone-free |          | Stone-free status = Stone-free |          | Total |
|--------|----|------------------------------------|----------|--------------------------------|----------|-------|
|        |    | Observed                           | Expected | Observed                       | Expected |       |
| Step 1 | 1  | 10                                 | 10,411   | 2                              | 1,589    | 12    |
|        | 2  | 9                                  | 8,764    | 3                              | 3,236    | 12    |
|        | 3  | 7                                  | 6,802    | 5                              | 5,198    | 12    |
|        | 4  | 6                                  | 5,321    | 6                              | 6,679    | 12    |
|        | 5  | 2                                  | 3,647    | 10                             | 8,353    | 12    |
|        | 6  | 4                                  | 2,216    | 8                              | 9,784    | 12    |
|        | 7  | 1                                  | 1,376    | 11                             | 10,624   | 12    |
|        | 8  | 0                                  | ,912     | 12                             | 11,088   | 12    |
|        | 9  | 1                                  | ,433     | 11                             | 11,567   | 12    |
|        | 10 | 0                                  | ,117     | 8                              | 7,883    | 8     |
| Step 2 | 1  | 10                                 | 10,413   | 2                              | 1,587    | 12    |
|        | 2  | 9                                  | 8,741    | 3                              | 3,259    | 12    |
|        | 3  | 8                                  | 7,836    | 6                              | 6,164    | 14    |
|        | 4  | 5                                  | 4,685    | 6                              | 6,315    | 11    |
|        | 5  | 2                                  | 3,503    | 10                             | 8,497    | 12    |
|        | 6  | 5                                  | 2,272    | 8                              | 10,728   | 13    |
|        | 7  | 0                                  | 1,177    | 11                             | 9,823    | 11    |
|        | 8  | 0                                  | ,881     | 12                             | 11,119   | 12    |
|        | 9  | 1                                  | ,397     | 11                             | 11,603   | 12    |
|        | 10 | 0                                  | ,096     | 7                              | 6,904    | 7     |
| Step 3 | 1  | 12                                 | 12,828   | 3                              | 2,172    | 15    |
|        | 2  | 12                                 | 9,409    | 2                              | 4,591    | 14    |
|        | 3  | 6                                  | 6,587    | 7                              | 6,413    | 13    |
|        | 4  | 4                                  | 5,330    | 11                             | 9,670    | 15    |
|        | 5  | 3                                  | 2,703    | 10                             | 10,297   | 13    |
|        | 6  | 2                                  | 1,763    | 13                             | 13,237   | 15    |
|        | 7  | 0                                  | ,874     | 12                             | 11,126   | 12    |
|        | 8  | 1                                  | ,410     | 11                             | 11,590   | 12    |
|        | 9  | 0                                  | ,095     | 7                              | 6,905    | 7     |

**Classification Table<sup>a</sup>**

| Observed |                    |                | Predicted         |            |                    |
|----------|--------------------|----------------|-------------------|------------|--------------------|
|          |                    |                | Stone-free status |            | Percentage Correct |
|          |                    |                | Not stone-free    | Stone-free |                    |
| Step 1   | Stone-free status  | Not stone-free | 26                | 14         | 65,0               |
|          |                    | Stone-free     | 11                | 65         | 85,5               |
|          | Overall Percentage |                |                   |            | 78,4               |
| Step 2   | Stone-free status  | Not stone-free | 27                | 13         | 67,5               |
|          |                    | Stone-free     | 11                | 65         | 85,5               |
|          | Overall Percentage |                |                   |            | 79,3               |
| Step 3   | Stone-free status  | Not stone-free | 26                | 14         | 65,0               |
|          |                    | Stone-free     | 9                 | 67         | 88,2               |
|          | Overall Percentage |                |                   |            | 80,2               |

a. The cut value is ,500

**Variables in the Equation**

|                     |               | B     | S.E.  | Wald   | df | Sig. | Exp(B) | 95% C.I. for EXP(B) |        |
|---------------------|---------------|-------|-------|--------|----|------|--------|---------------------|--------|
|                     |               |       |       |        |    |      |        | Lower               | Upper  |
| Step 1 <sup>a</sup> | MSEA_Group(1) | 2,266 | ,519  | 19,027 | 1  | ,000 | 9,641  | 3,483               | 26,688 |
|                     | Density       | ,000  | ,001  | ,010   | 1  | ,921 | 1,000  | ,998                | 1,001  |
|                     | Gender(1)     | ,159  | ,500  | ,101   | 1  | ,751 | 1,172  | ,440                | 3,122  |
|                     | L             | -,354 | ,091  | 15,037 | 1  | ,000 | ,702   | ,587                | ,839   |
|                     | Constant      | 4,529 | 1,448 | 9,778  | 1  | ,002 | 92,699 |                     |        |
| Step 2 <sup>a</sup> | MSEA_Group(1) | 2,263 | ,518  | 19,073 | 1  | ,000 | 9,609  | 3,481               | 26,528 |
|                     | Gender(1)     | ,163  | ,498  | ,108   | 1  | ,743 | 1,177  | ,444                | 3,122  |
|                     | L             | -,356 | ,088  | 16,202 | 1  | ,000 | ,700   | ,589                | ,833   |
|                     | Constant      | 4,481 | 1,360 | 10,850 | 1  | ,001 | 88,306 |                     |        |
| Step 3 <sup>a</sup> | MSEA_Group(1) | 2,252 | ,517  | 19,017 | 1  | ,000 | 9,510  | 3,456               | 26,173 |
|                     | L             | -,357 | ,088  | 16,401 | 1  | ,000 | ,700   | ,588                | ,832   |
|                     | Constant      | 4,579 | 1,327 | 11,906 | 1  | ,001 | 97,375 |                     |        |

a. Variable(s) entered on step 1: MSEA\_Group, Density, Gender, L.

**Model if Term Removed**

| Variable |            | Model Log Likelihood | Change in -2 Log Likelihood | df | Sig. of the Change |
|----------|------------|----------------------|-----------------------------|----|--------------------|
| Step 1   | MSEA_Group | -62,143              | 22,464                      | 1  | ,000               |
|          | Density    | -50,916              | ,010                        | 1  | ,921               |
|          | Gender     | -50,962              | ,101                        | 1  | ,751               |
|          | L          | -60,581              | 19,339                      | 1  | ,000               |
| Step 2   | MSEA_Group | -62,159              | 22,484                      | 1  | ,000               |
|          | Gender     | -50,970              | ,108                        | 1  | ,743               |
|          | L          | -61,944              | 22,054                      | 1  | ,000               |
| Step 3   | MSEA_Group | -62,160              | 22,379                      | 1  | ,000               |
|          | L          | -62,204              | 22,468                      | 1  | ,000               |

**Variables not in the Equation**

|                     |                    |           | Score | df | Sig. |
|---------------------|--------------------|-----------|-------|----|------|
| Step 2 <sup>a</sup> | Variables          | Density   | ,010  | 1  | ,921 |
|                     | Overall Statistics |           | ,010  | 1  | ,921 |
| Step 3 <sup>b</sup> | Variables          | Density   | ,017  | 1  | ,896 |
|                     |                    | Gender(1) | ,108  | 1  | ,743 |
|                     | Overall Statistics |           | ,118  | 2  | ,943 |

a. Variable(s) removed on step 2: Density.

b. Variable(s) removed on step 3: Gender.

## Logistic Regression

**Case Processing Summary**

| Unweighted Cases <sup>a</sup> |                      | N   | Percent |
|-------------------------------|----------------------|-----|---------|
| Selected Cases                | Included in Analysis | 116 | 100,0   |
|                               | Missing Cases        | 0   | ,0      |
|                               | Total                | 116 | 100,0   |
| Unselected Cases              |                      | 0   | ,0      |
| Total                         |                      | 116 | 100,0   |

a. If weight is in effect, see classification table for the total number of cases.

**Dependent Variable Encoding**

| Original Value | Internal Value |
|----------------|----------------|
| Not stone-free | 0              |
| Stone-free     | 1              |

**Categorical Variables Codings**

|                           |              | Frequency | Parameter coding |
|---------------------------|--------------|-----------|------------------|
|                           |              |           | (1)              |
| Gender                    | Male         | 60        | ,000             |
|                           | Female       | 56        | 1,000            |
| MSEA cutoff 25.75 degrees | MSEA <25,75° | 40        | ,000             |
|                           | MSEA ≥25,75° | 76        | 1,000            |

## Block 0: Beginning Block

**Classification Table<sup>a,b</sup>**

| Observed           |                   |                | Predicted         |            |                    |
|--------------------|-------------------|----------------|-------------------|------------|--------------------|
|                    |                   |                | Stone-free status |            | Percentage Correct |
|                    |                   |                | Not stone-free    | Stone-free |                    |
| Step 0             | Stone-free status | Not stone-free | 0                 | 40         | ,0                 |
|                    |                   | Stone-free     | 0                 | 76         | 100,0              |
| Overall Percentage |                   |                |                   |            | 65,5               |

a. Constant is included in the model.

b. The cut value is ,500

#### Variables in the Equation

|                 | B    | S.E. | Wald   | df | Sig. | Exp(B) |
|-----------------|------|------|--------|----|------|--------|
| Step 0 Constant | ,642 | ,195 | 10,797 | 1  | ,001 | 1,900  |

#### Variables not in the Equation

|                                | Score  | df | Sig. |
|--------------------------------|--------|----|------|
| Step 0 Variables MSEA_Group(1) | 25,167 | 1  | ,000 |
| Density                        | 2,862  | 1  | ,091 |
| Gender(1)                      | ,262   | 1  | ,608 |
| Volume                         | 14,331 | 1  | ,000 |
| Overall Statistics             | 35,468 | 4  | ,000 |

### Block 1: Method = Backward Stepwise (Likelihood Ratio)

#### Omnibus Tests of Model Coefficients

|                          | Chi-square | df | Sig. |
|--------------------------|------------|----|------|
| Step 1 Step              | 38,834     | 4  | ,000 |
| Block                    | 38,834     | 4  | ,000 |
| Model                    | 38,834     | 4  | ,000 |
| Step 2 <sup>a</sup> Step | ,000       | 1  | ,986 |
| Block                    | 38,834     | 3  | ,000 |
| Model                    | 38,834     | 3  | ,000 |
| Step 3 <sup>a</sup> Step | -,905      | 1  | ,341 |
| Block                    | 37,929     | 2  | ,000 |
| Model                    | 37,929     | 2  | ,000 |

a. A negative Chi-squares value indicates that the Chi-squares value has decreased from the previous step.

#### Model Summary

| Step | -2 Log likelihood    | Cox & Snell R Square | Nagelkerke R Square |
|------|----------------------|----------------------|---------------------|
| 1    | 110,617 <sup>a</sup> | ,285                 | ,393                |
| 2    | 110,617 <sup>a</sup> | ,285                 | ,393                |
| 3    | 111,522 <sup>a</sup> | ,279                 | ,385                |

a. Estimation terminated at iteration number 5 because parameter estimates changed by less than ,001.

#### Hosmer and Lemeshow Test

| Step | Chi-square | df | Sig. |
|------|------------|----|------|
| 1    | 8,618      | 8  | ,376 |
| 2    | 7,978      | 8  | ,436 |
| 3    | 6,803      | 8  | ,558 |

**Contingency Table for Hosmer and Lemeshow Test**

|        |    | Stone-free status = Not stone-free |          | Stone-free status = Stone-free |          | Total |
|--------|----|------------------------------------|----------|--------------------------------|----------|-------|
|        |    | Observed                           | Expected | Observed                       | Expected |       |
| Step 1 | 1  | 10                                 | 10,150   | 2                              | 1,850    | 12    |
|        | 2  | 9                                  | 8,417    | 3                              | 3,583    | 12    |
|        | 3  | 6                                  | 6,640    | 6                              | 5,360    | 12    |
|        | 4  | 4                                  | 4,718    | 8                              | 7,282    | 12    |
|        | 5  | 3                                  | 3,065    | 9                              | 8,935    | 12    |
|        | 6  | 5                                  | 2,445    | 7                              | 9,555    | 12    |
|        | 7  | 0                                  | 2,059    | 12                             | 9,941    | 12    |
|        | 8  | 1                                  | 1,380    | 11                             | 10,620   | 12    |
|        | 9  | 2                                  | ,812     | 10                             | 11,188   | 12    |
|        | 10 | 0                                  | ,314     | 8                              | 7,686    | 8     |
| Step 2 | 1  | 10                                 | 10,152   | 2                              | 1,848    | 12    |
|        | 2  | 9                                  | 8,415    | 3                              | 3,585    | 12    |
|        | 3  | 7                                  | 6,637    | 5                              | 5,363    | 12    |
|        | 4  | 3                                  | 4,724    | 9                              | 7,276    | 12    |
|        | 5  | 3                                  | 3,062    | 9                              | 8,938    | 12    |
|        | 6  | 5                                  | 2,443    | 7                              | 9,557    | 12    |
|        | 7  | 0                                  | 2,205    | 13                             | 10,795   | 13    |
|        | 8  | 2                                  | 1,323    | 10                             | 10,677   | 12    |
|        | 9  | 1                                  | ,777     | 11                             | 11,223   | 12    |
|        | 10 | 0                                  | ,262     | 7                              | 6,738    | 7     |
| Step 3 | 1  | 9                                  | 10,118   | 3                              | 1,882    | 12    |
|        | 2  | 10                                 | 8,433    | 2                              | 3,567    | 12    |
|        | 3  | 8                                  | 6,542    | 4                              | 5,458    | 12    |
|        | 4  | 2                                  | 4,744    | 10                             | 7,256    | 12    |
|        | 5  | 4                                  | 3,191    | 8                              | 8,809    | 12    |
|        | 6  | 3                                  | 2,332    | 9                              | 9,668    | 12    |
|        | 7  | 1                                  | 1,912    | 11                             | 10,088   | 12    |
|        | 8  | 2                                  | 1,444    | 10                             | 10,556   | 12    |
|        | 9  | 1                                  | ,899     | 11                             | 11,101   | 12    |
|        | 10 | 0                                  | ,387     | 8                              | 7,613    | 8     |

**Classification Table<sup>a</sup>**

| Observed |                    |                | Predicted         |            |                    |
|----------|--------------------|----------------|-------------------|------------|--------------------|
|          |                    |                | Stone-free status |            | Percentage Correct |
|          |                    |                | Not stone-free    | Stone-free |                    |
| Step 1   | Stone-free status  | Not stone-free | 25                | 15         | 62,5               |
|          |                    | Stone-free     | 9                 | 67         | 88,2               |
|          | Overall Percentage |                |                   |            | 79,3               |
| Step 2   | Stone-free status  | Not stone-free | 25                | 15         | 62,5               |
|          |                    | Stone-free     | 9                 | 67         | 88,2               |
|          | Overall Percentage |                |                   |            | 79,3               |
| Step 3   | Stone-free status  | Not stone-free | 26                | 14         | 65,0               |
|          |                    | Stone-free     | 8                 | 68         | 89,5               |
|          | Overall Percentage |                |                   |            | 81,0               |

a. The cut value is ,500

**Variables in the Equation**

|                     |               | B     | S.E. | Wald   | df | Sig. | Exp(B) | 95% C.I. for EXP(B) |        |
|---------------------|---------------|-------|------|--------|----|------|--------|---------------------|--------|
|                     |               |       |      |        |    |      |        | Lower               | Upper  |
| Step 1 <sup>a</sup> | MSEA_Group(1) | 2,209 | ,490 | 20,327 | 1  | ,000 | 9,107  | 3,486               | 23,790 |
|                     | Density       | ,000  | ,001 | ,000   | 1  | ,986 | 1,000  | ,998                | 1,002  |
|                     | Gender(1)     | ,453  | ,489 | ,855   | 1  | ,355 | 1,572  | ,603                | 4,103  |
|                     | Volume        | -,002 | ,001 | 9,227  | 1  | ,002 | ,998   | ,997                | ,999   |
|                     | Constant      | ,917  | ,883 | 1,078  | 1  | ,299 | 2,501  |                     |        |
| Step 2 <sup>a</sup> | MSEA_Group(1) | 2,209 | ,490 | 20,335 | 1  | ,000 | 9,105  | 3,486               | 23,779 |
|                     | Gender(1)     | ,454  | ,481 | ,890   | 1  | ,346 | 1,575  | ,613                | 4,046  |
|                     | Volume        | -,002 | ,001 | 11,308 | 1  | ,001 | ,998   | ,997                | ,999   |
|                     | Constant      | ,906  | ,631 | 2,061  | 1  | ,151 | 2,474  |                     |        |
| Step 3 <sup>a</sup> | MSEA_Group(1) | 2,176 | ,485 | 20,168 | 1  | ,000 | 8,810  | 3,408               | 22,771 |
|                     | Volume        | -,002 | ,001 | 11,110 | 1  | ,001 | ,998   | ,997                | ,999   |
|                     | Constant      | 1,079 | ,598 | 3,252  | 1  | ,071 | 2,942  |                     |        |

a. Variable(s) entered on step 1: MSEA\_Group, Density, Gender, Volume.

**Model if Term Removed**

| Variable |            | Model Log Likelihood | Change in -2 Log Likelihood | df | Sig. of the Change |
|----------|------------|----------------------|-----------------------------|----|--------------------|
| Step 1   | MSEA_Group | -67,016              | 23,416                      | 1  | ,000               |
|          | Density    | -55,309              | ,000                        | 1  | ,986               |
|          | Gender     | -55,743              | ,868                        | 1  | ,351               |
|          | Volume     | -60,581              | 10,545                      | 1  | ,001               |
| Step 2   | MSEA_Group | -67,023              | 23,429                      | 1  | ,000               |
|          | Gender     | -55,761              | ,905                        | 1  | ,341               |
|          | Volume     | -61,944              | 13,270                      | 1  | ,000               |
| Step 3   | MSEA_Group | -67,276              | 23,030                      | 1  | ,000               |
|          | Volume     | -62,204              | 12,887                      | 1  | ,000               |

**Variables not in the Equation**

|                     |                    |           | Score | df | Sig. |
|---------------------|--------------------|-----------|-------|----|------|
| Step 2 <sup>a</sup> | Variables          | Density   | ,000  | 1  | ,986 |
|                     | Overall Statistics |           | ,000  | 1  | ,986 |
| Step 3 <sup>b</sup> | Variables          | Density   | ,037  | 1  | ,848 |
|                     |                    | Gender(1) | ,897  | 1  | ,344 |
|                     | Overall Statistics |           | ,897  | 2  | ,639 |

a. Variable(s) removed on step 2: Density.

b. Variable(s) removed on step 3: Gender.