

**Group Statistics**

| Group21    | N  | Mean | Std. Deviation | Std. Error Mean |
|------------|----|------|----------------|-----------------|
| PpeE PpeE1 | 50 | 4.04 | .832           | .118            |
| PpeE2      | 50 | 3.50 | .839           | .119            |

**Independent Samples Test**

|                                 | Levene's Test for Equality of |      | t-test for Equality of Means |        |                    |                    |                          |                                              |       |  |
|---------------------------------|-------------------------------|------|------------------------------|--------|--------------------|--------------------|--------------------------|----------------------------------------------|-------|--|
|                                 | Variances                     |      |                              |        |                    |                    |                          |                                              |       |  |
|                                 | F                             | Sig. | t                            | df     | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference | 95% Confidence Interval of<br>the Difference |       |  |
|                                 |                               |      |                              |        |                    |                    |                          | Lower                                        | Upper |  |
| PpeE Equal variances<br>assumed | 1.156                         | .285 | 3.231                        | 98     | .002               | .540               | .167                     | .208                                         | .872  |  |
| Equal variances not<br>assumed  |                               |      | 3.231                        | 97.993 | .002               | .540               | .167                     | .208                                         | .872  |  |

```

SORT CASES BY Group22.
SPLIT FILE SEPARATE BY Group22.
FREQUENCIES VARIABLES=PpeC
  /STATISTICS=VARIANCE MEAN
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

## Frequencies

| Notes                  |                           |                                                                                                  |
|------------------------|---------------------------|--------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13年11月2015日 下午07時17分57秒                                                                          |
| Comments               |                           |                                                                                                  |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                   |
|                        | Active Dataset            | DataSet1                                                                                         |
|                        | Filter                    | <none>                                                                                           |
|                        | Weight                    | <none>                                                                                           |
|                        | Split File                | Group22                                                                                          |
|                        | N of Rows in Working Data | 100                                                                                              |
|                        | File                      |                                                                                                  |
| Missing Value Handling | Definition of Missing     | User-defined missing values are treated as missing.                                              |
|                        | Cases Used                | Statistics are based on all cases with valid data.                                               |
| Syntax                 |                           | FREQUENCIES VARIABLES=PpeC<br>/STATISTICS=VARIANCE MEAN<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.328                                                                                  |
|                        | Elapsed Time              | 00 00:00:00.312                                                                                  |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

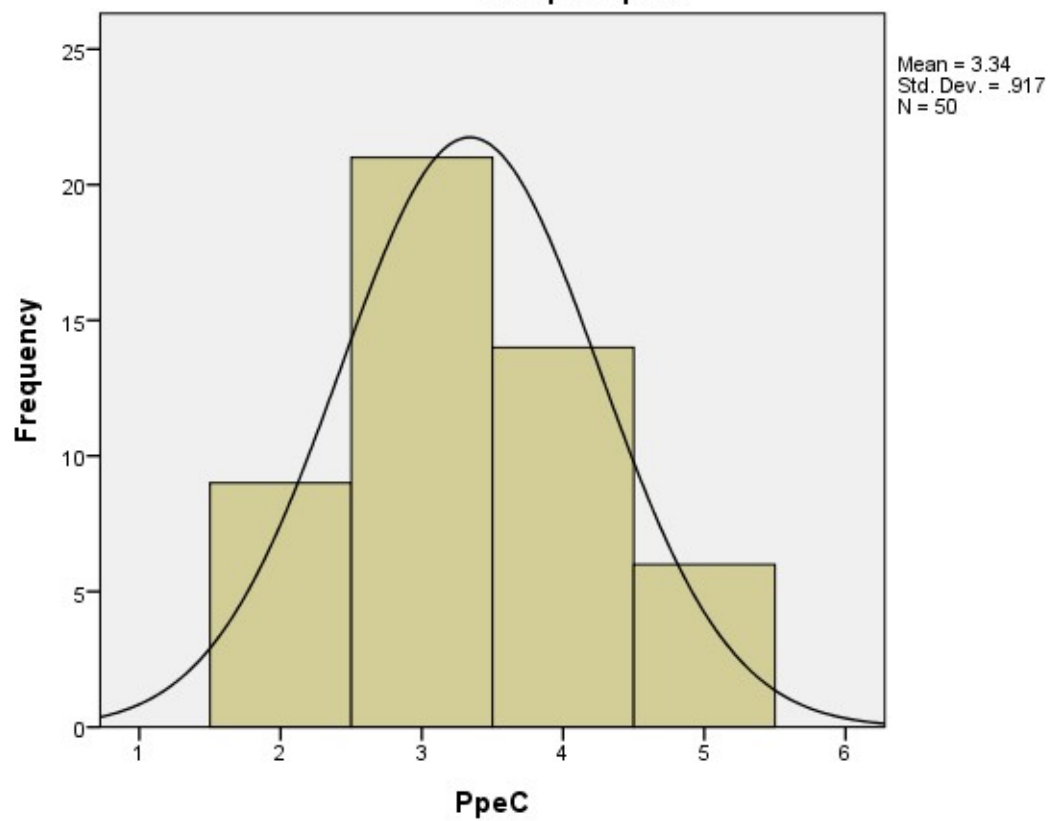
**Group22 = PpeC1****Statistics<sup>a</sup>**

PpeC

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.34 |
| Variance |         | .841 |

**PpeC<sup>a</sup>**

|       |                | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----------------|-----------|---------|---------------|--------------------|
| Valid | 2              | 9         | 18.0    | 18.0          | 18.0               |
|       | 3              | 21        | 42.0    | 42.0          | 60.0               |
|       | 4              | 14        | 28.0    | 28.0          | 88.0               |
|       | Strongly agree | 6         | 12.0    | 12.0          | 100.0              |
|       | Total          | 50        | 100.0   | 100.0         |                    |

**Histogram****Group22: PpeC1**

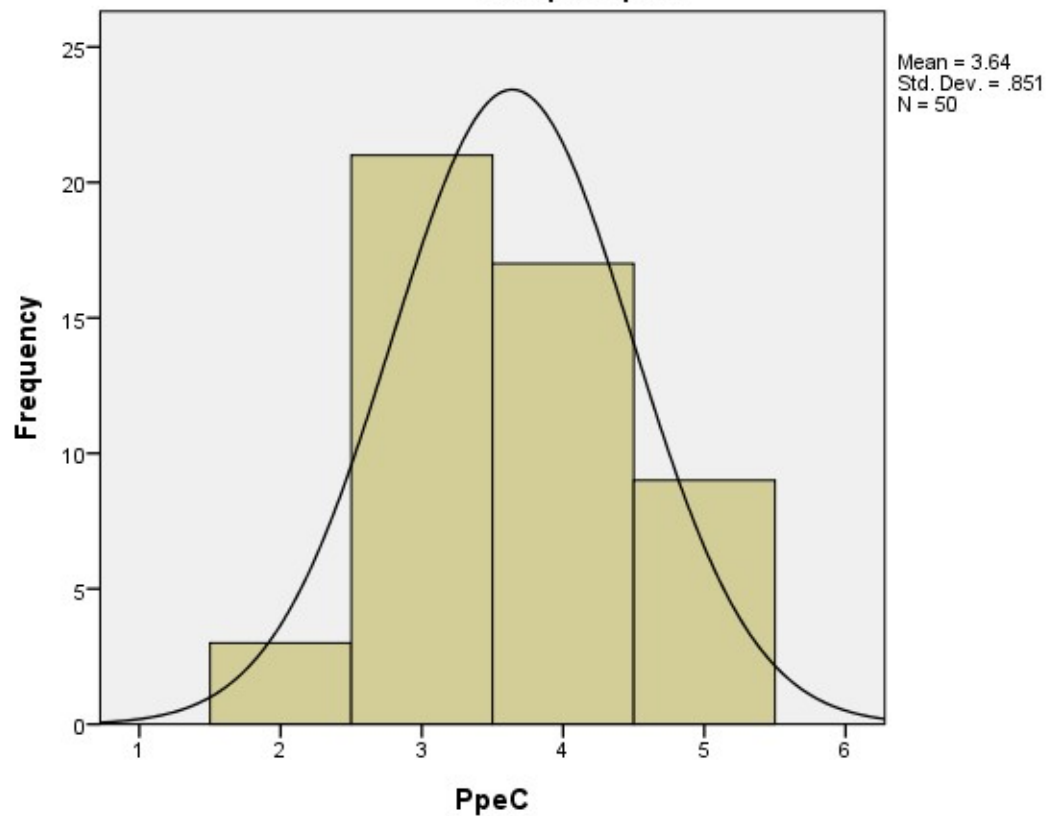
**Group22 = PpeC2****Statistics<sup>a</sup>**

PpeC

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.64 |
| Variance |         | .725 |

**PpeC<sup>a</sup>**

|       |                | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----------------|-----------|---------|---------------|--------------------|
| Valid | 2              | 3         | 6.0     | 6.0           | 6.0                |
|       | 3              | 21        | 42.0    | 42.0          | 48.0               |
|       | 4              | 17        | 34.0    | 34.0          | 82.0               |
|       | Strongly agree | 9         | 18.0    | 18.0          | 100.0              |
|       | Total          | 50        | 100.0   | 100.0         |                    |

**Histogram****Group22: PpeC2**

```

SPLIT FILE OFF.
T-TEST GROUPS=Group22(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=PpeC
  /CRITERIA=CI(.95).

```

## T-Test

| Notes                  |                           |                                                                                                                            |
|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13年11月2015日 下午07時18分33秒                                                                                                    |
| Comments               |                           |                                                                                                                            |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                                             |
|                        | Active Dataset            | DataSet1                                                                                                                   |
|                        | Filter                    | <none>                                                                                                                     |
|                        | Weight                    | <none>                                                                                                                     |
|                        | Split File                | <none>                                                                                                                     |
|                        | N of Rows in Working Data | 100                                                                                                                        |
|                        | File                      |                                                                                                                            |
| Missing Value Handling | Definition of Missing     | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 |                           | T-TEST GROUPS=Group22(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=PpeC<br>/CRITERIA=CI(.95).                                   |
| Resources              | Processor Time            | 00 00:00:00.015                                                                                                            |
|                        | Elapsed Time              | 00 00:00:00.031                                                                                                            |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

**Group Statistics**

| Group22       | N  | Mean | Std. Deviation | Std. Error Mean |
|---------------|----|------|----------------|-----------------|
| PpeC    PpeC1 | 50 | 3.34 | .917           | .130            |
| PpeC2         | 50 | 3.64 | .851           | .120            |

**Independent Samples Test**

|                                 | Levene's Test for Equality of |      | t-test for Equality of Means |        |                    |                    |                          |                                              |       |  |
|---------------------------------|-------------------------------|------|------------------------------|--------|--------------------|--------------------|--------------------------|----------------------------------------------|-------|--|
|                                 | Variances                     |      |                              |        |                    |                    |                          |                                              |       |  |
|                                 |                               |      |                              |        | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference | 95% Confidence Interval of<br>the Difference |       |  |
|                                 |                               |      |                              |        |                    |                    |                          | Lower                                        | Upper |  |
| F                               | Sig.                          | t    | df                           |        |                    |                    |                          |                                              |       |  |
| PpeC Equal variances<br>assumed | .136                          | .713 | -1.695                       | 98     | .093               | -.300              | .177                     | -.651                                        | .051  |  |
| Equal variances not<br>assumed  |                               |      | -1.695                       | 97.462 | .093               | -.300              | .177                     | -.651                                        | .051  |  |

```

SORT CASES BY Group23.
SPLIT FILE SEPARATE BY Group23.
FREQUENCIES VARIABLES=RuleE
  /STATISTICS=VARIANCE MEAN
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

## Frequencies

| Notes                  |                           |                                                                                                   |
|------------------------|---------------------------|---------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13年11月2015日 下午07時19分39秒                                                                           |
| Comments               |                           |                                                                                                   |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                    |
|                        | Active Dataset            | DataSet1                                                                                          |
|                        | Filter                    | <none>                                                                                            |
|                        | Weight                    | <none>                                                                                            |
|                        | Split File                | Group23                                                                                           |
|                        | N of Rows in Working Data | 100                                                                                               |
|                        | File                      |                                                                                                   |
| Missing Value Handling | Definition of Missing     | User-defined missing values are treated as missing.                                               |
|                        | Cases Used                | Statistics are based on all cases with valid data.                                                |
| Syntax                 |                           | FREQUENCIES VARIABLES=RuleE<br>/STATISTICS=VARIANCE MEAN<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.343                                                                                   |
|                        | Elapsed Time              | 00 00:00:00.328                                                                                   |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

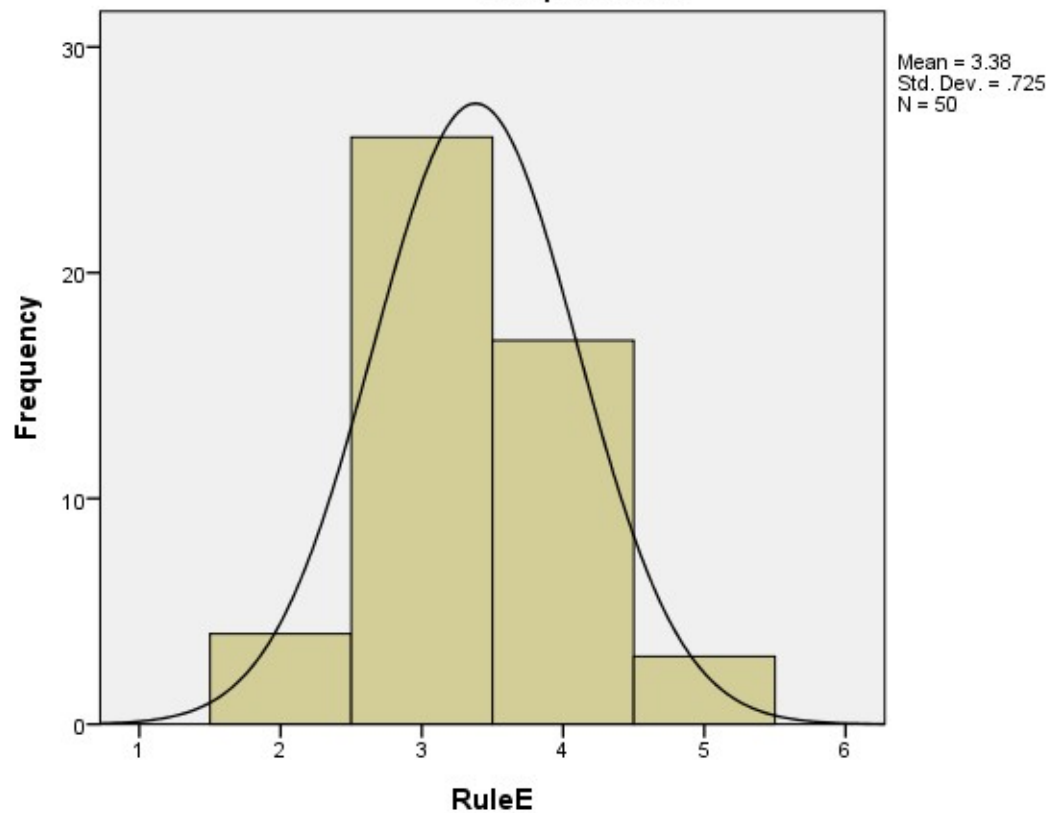
**Group23 = RuleE1****Statistics<sup>a</sup>**

RuleE

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.38 |
| Variance |         | .526 |

**RuleE<sup>a</sup>**

|       |                | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----------------|-----------|---------|---------------|--------------------|
| Valid | 2              | 4         | 8.0     | 8.0           | 8.0                |
|       | 3              | 26        | 52.0    | 52.0          | 60.0               |
|       | 4              | 17        | 34.0    | 34.0          | 94.0               |
|       | Strongly agree | 3         | 6.0     | 6.0           | 100.0              |
| Total |                | 50        | 100.0   | 100.0         |                    |

**Histogram****Group23: RuleE1**

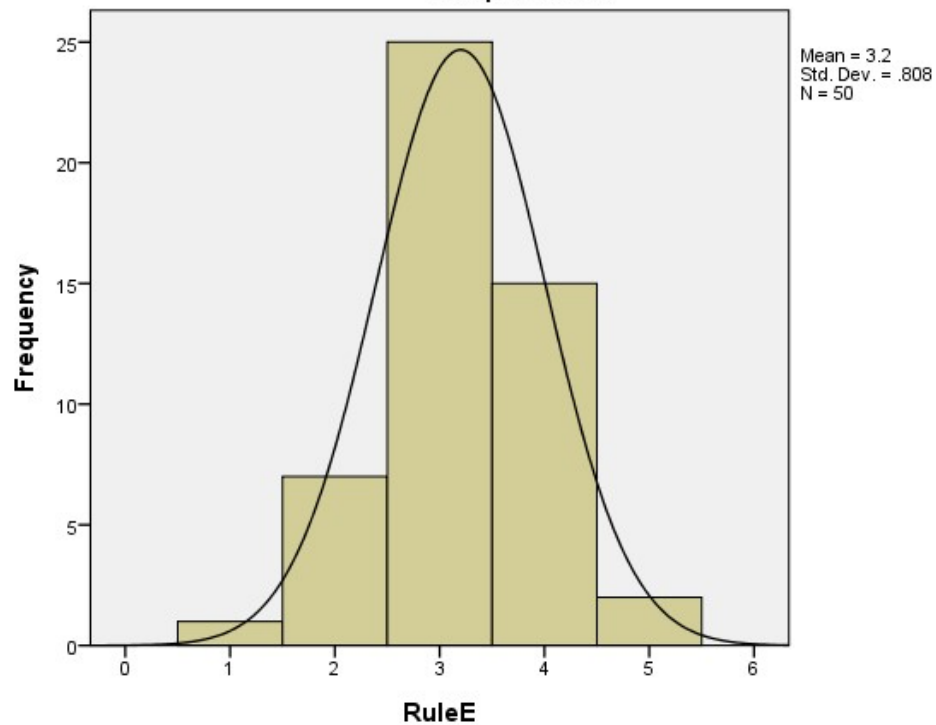
**Group23 = RuleE2****Statistics<sup>a</sup>**

RuleE

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.20 |
| Variance |         | .653 |

**RuleE<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 1         | 2.0     | 2.0           | 2.0                |
|       | 2                 | 7         | 14.0    | 14.0          | 16.0               |
|       | 3                 | 25        | 50.0    | 50.0          | 66.0               |
|       | 4                 | 15        | 30.0    | 30.0          | 96.0               |
|       | Strongly agree    | 2         | 4.0     | 4.0           | 100.0              |
|       | Total             | 50        | 100.0   | 100.0         |                    |

**Histogram****Group23: RuleE2**

```

SPLIT FILE OFF.
T-TEST GROUPS=Group23(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=RuleE
  /CRITERIA=CI(.95) .

```

## T-Test

### Notes

|                        |                                                                                           |                                                                                                                            |
|------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         | 13年11月2015日 下午07時20分40秒                                                                   |                                                                                                                            |
| Comments               |                                                                                           |                                                                                                                            |
| Input                  | Data                                                                                      | C:\Users\user\Documents\Variances analysis.sav                                                                             |
|                        | Active Dataset                                                                            | DataSet1                                                                                                                   |
|                        | Filter                                                                                    | <none>                                                                                                                     |
|                        | Weight                                                                                    | <none>                                                                                                                     |
|                        | Split File                                                                                | <none>                                                                                                                     |
|                        | N of Rows in Working Data                                                                 | 100                                                                                                                        |
|                        | File                                                                                      |                                                                                                                            |
| Missing Value Handling | Definition of Missing                                                                     | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                                                                                | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 | T-TEST GROUPS=Group23(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=RuleE<br>/CRITERIA=CI(.95). |                                                                                                                            |
| Resources              | Processor Time                                                                            | 00 00:00:00.000                                                                                                            |
|                        | Elapsed Time                                                                              | 00 00:00:00.016                                                                                                            |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

**Group Statistics**

| Group23 |        | N  | Mean | Std. Deviation | Std. Error Mean |
|---------|--------|----|------|----------------|-----------------|
| RuleE   | RuleE1 | 50 | 3.38 | .725           | .103            |
|         | RuleE2 | 50 | 3.20 | .808           | .114            |

**Independent Samples Test**

|       |                                | Levene's Test for Equality of |      | t-test for Equality of Means |        |                    |                    |                          |                                              |       |
|-------|--------------------------------|-------------------------------|------|------------------------------|--------|--------------------|--------------------|--------------------------|----------------------------------------------|-------|
|       |                                | Variances                     |      |                              |        |                    |                    |                          |                                              |       |
|       |                                | F                             | Sig. | t                            | df     | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference | 95% Confidence Interval of<br>the Difference |       |
|       |                                |                               |      |                              |        |                    |                    |                          | Lower                                        | Upper |
| RuleE | Equal variances<br>assumed     | .008                          | .928 | 1.172                        | 98     | .244               | .180               | .154                     | -.125                                        | .485  |
|       | Equal variances not<br>assumed |                               |      | 1.172                        | 96.877 | .244               | .180               | .154                     | -.125                                        | .485  |

```

SORT CASES BY Group24.
SPLIT FILE SEPARATE BY Group24.
FREQUENCIES VARIABLES=RuleC
  /STATISTICS=VARIANCE MEAN
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

## Frequencies

| Notes                  |                           |                                                                                                   |
|------------------------|---------------------------|---------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13年11月2015日 下午07時22分05秒                                                                           |
| Comments               |                           |                                                                                                   |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                    |
|                        | Active Dataset            | DataSet1                                                                                          |
|                        | Filter                    | <none>                                                                                            |
|                        | Weight                    | <none>                                                                                            |
|                        | Split File                | Group24                                                                                           |
|                        | N of Rows in Working Data | 100                                                                                               |
|                        | File                      |                                                                                                   |
| Missing Value Handling | Definition of Missing     | User-defined missing values are treated as missing.                                               |
|                        | Cases Used                | Statistics are based on all cases with valid data.                                                |
| Syntax                 |                           | FREQUENCIES VARIABLES=RuleC<br>/STATISTICS=VARIANCE MEAN<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.421                                                                                   |
|                        | Elapsed Time              | 00 00:00:00.422                                                                                   |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

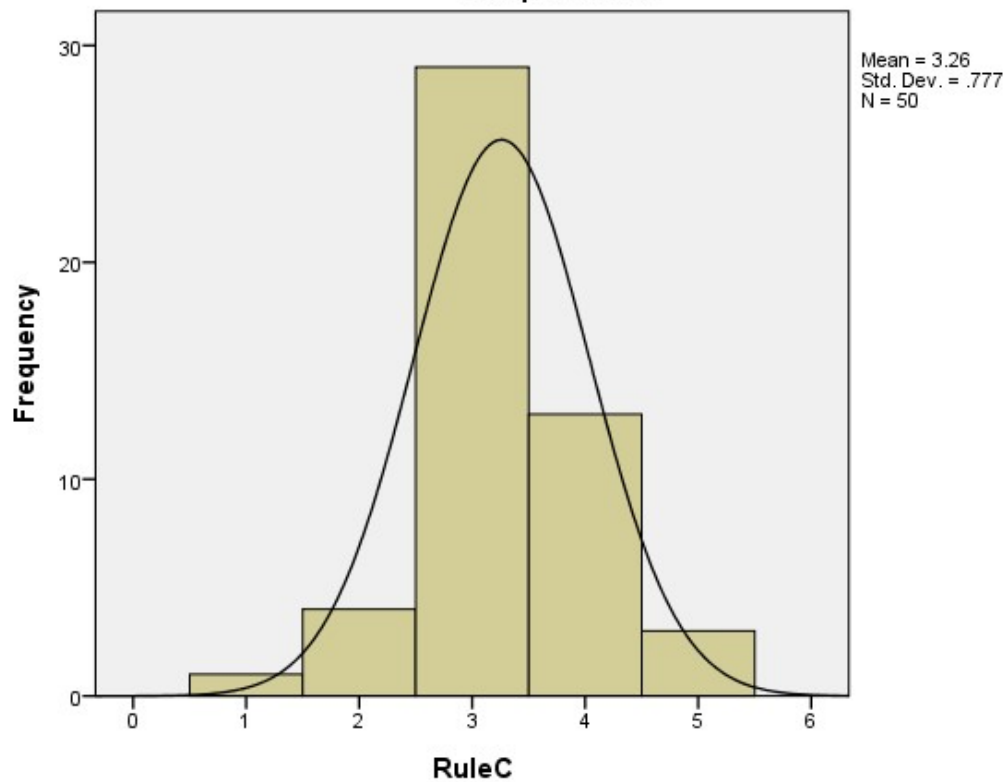
**Group24 = RuleC1****Statistics<sup>a</sup>**

RuleC

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.26 |
| Variance |         | .604 |

**RuleC<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 1         | 2.0     | 2.0           | 2.0                |
|       | 2                 | 4         | 8.0     | 8.0           | 10.0               |
|       | 3                 | 29        | 58.0    | 58.0          | 68.0               |
|       | 4                 | 13        | 26.0    | 26.0          | 94.0               |
|       | Strongly agree    | 3         | 6.0     | 6.0           | 100.0              |
| Total |                   | 50        | 100.0   | 100.0         |                    |

**Histogram****Group24: RuleC1**

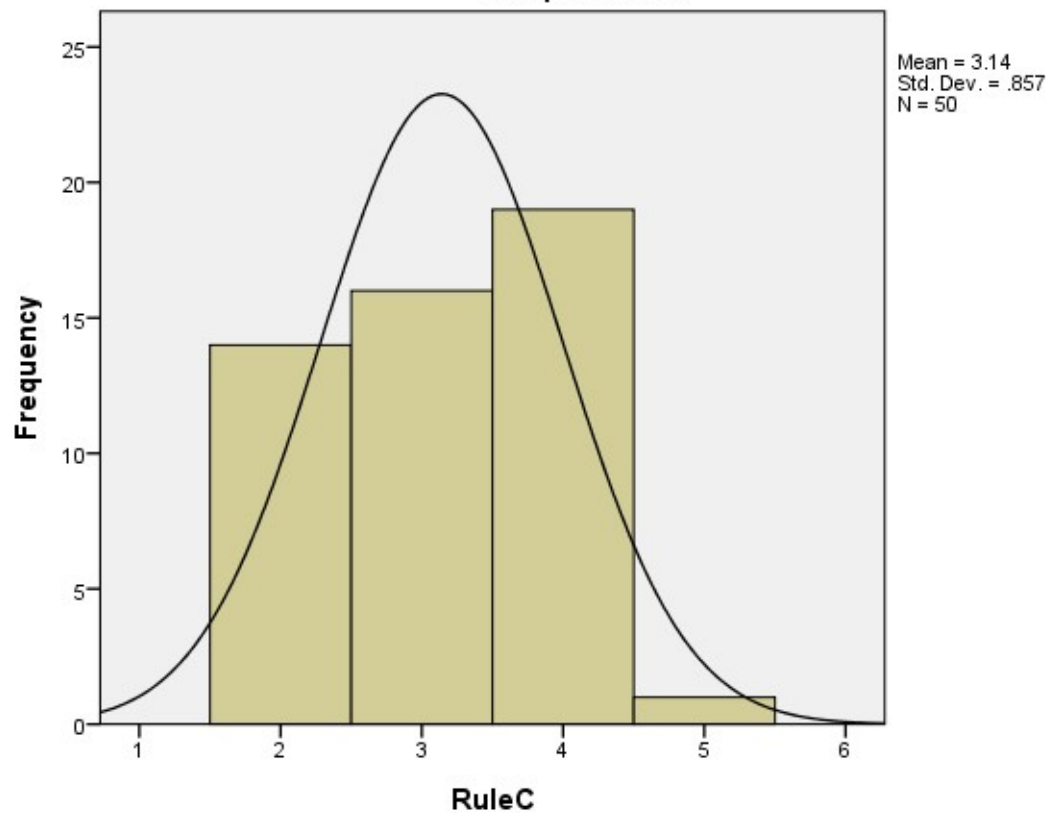
**Group24 = RuleC2****Statistics<sup>a</sup>**

RuleC

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.14 |
| Variance |         | .735 |

**RuleC<sup>a</sup>**

|       |                | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----------------|-----------|---------|---------------|--------------------|
| Valid | 2              | 14        | 28.0    | 28.0          | 28.0               |
|       | 3              | 16        | 32.0    | 32.0          | 60.0               |
|       | 4              | 19        | 38.0    | 38.0          | 98.0               |
|       | Strongly agree | 1         | 2.0     | 2.0           | 100.0              |
| Total |                | 50        | 100.0   | 100.0         |                    |

**Histogram****Group24: RuleC2**

```

SPLIT FILE OFF.
T-TEST GROUPS=Group24(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=RuleC
  /CRITERIA=CI(.95).

```

## T-Test

| Notes                  |                           |                                                                                                                            |
|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13年11月2015日 下午07時22分55秒                                                                                                    |
| Comments               |                           |                                                                                                                            |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                                             |
|                        | Active Dataset            | DataSet1                                                                                                                   |
|                        | Filter                    | <none>                                                                                                                     |
|                        | Weight                    | <none>                                                                                                                     |
|                        | Split File                | <none>                                                                                                                     |
|                        | N of Rows in Working Data | 100                                                                                                                        |
|                        | File                      |                                                                                                                            |
| Missing Value Handling | Definition of Missing     | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 |                           | T-TEST GROUPS=Group24(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=RuleC<br>/CRITERIA=CI(.95).                                  |
| Resources              | Processor Time            | 00 00:00:00.000                                                                                                            |
|                        | Elapsed Time              | 00 00:00:00.000                                                                                                            |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

**Group Statistics**

| Group24 |        | N  | Mean | Std. Deviation | Std. Error Mean |
|---------|--------|----|------|----------------|-----------------|
| RuleC   | RuleC1 | 50 | 3.26 | .777           | .110            |
|         | RuleC2 | 50 | 3.14 | .857           | .121            |

**Independent Samples Test**

|       |                                | Levene's Test for Equality of |      | t-test for Equality of Means |        |                    |                    |                          |       |                            |  |
|-------|--------------------------------|-------------------------------|------|------------------------------|--------|--------------------|--------------------|--------------------------|-------|----------------------------|--|
|       |                                | Variances                     |      |                              |        |                    |                    |                          |       |                            |  |
|       |                                |                               |      |                              |        |                    |                    |                          |       | 95% Confidence Interval of |  |
|       |                                |                               |      |                              |        |                    |                    |                          |       | the Difference             |  |
|       |                                | F                             | Sig. | t                            | df     | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference | Lower | Upper                      |  |
| RuleC | Equal variances<br>assumed     | 2.056                         | .155 | .733                         | 98     | .465               | .120               | .164                     | -.205 | .445                       |  |
|       | Equal variances not<br>assumed |                               |      | .733                         | 97.077 | .465               | .120               | .164                     | -.205 | .445                       |  |

```

FREQUENCIES VARIABLES=Health_difference_RHealthE_mean_1
/STATISTICS=VARIANCE
/HISTOGRAM NORMAL
/ORDER=ANALYSIS.

```

## Frequencies

| Notes                  |                           |                                                                                                                                 |
|------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 22年11月2015日 下午06時33分12秒                                                                                                         |
| Comments               |                           |                                                                                                                                 |
| Input                  | Data                      | C:\Users\user\Documents\Variances<br>test for total mean<br>ot normal distribution HealthE.sav                                  |
|                        | Active Dataset            | DataSet3                                                                                                                        |
|                        | Filter                    | <none>                                                                                                                          |
|                        | Weight                    | <none>                                                                                                                          |
|                        | Split File                | Group25                                                                                                                         |
|                        | N of Rows in Working Data | 100                                                                                                                             |
|                        | File                      |                                                                                                                                 |
| 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=Health_difference_RHea<br>lthE_mean_1<br>/STATISTICS=VARIANCE<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.375                                                                                                                 |
|                        | Elapsed Time              | 00 00:00:00.358                                                                                                                 |

[DataSet3] C:\Users\user\Documents\Variances test for total mean\not normal  
distribution HealthE.sav

**Group25 = HealthE1****Statistics<sup>a</sup>**

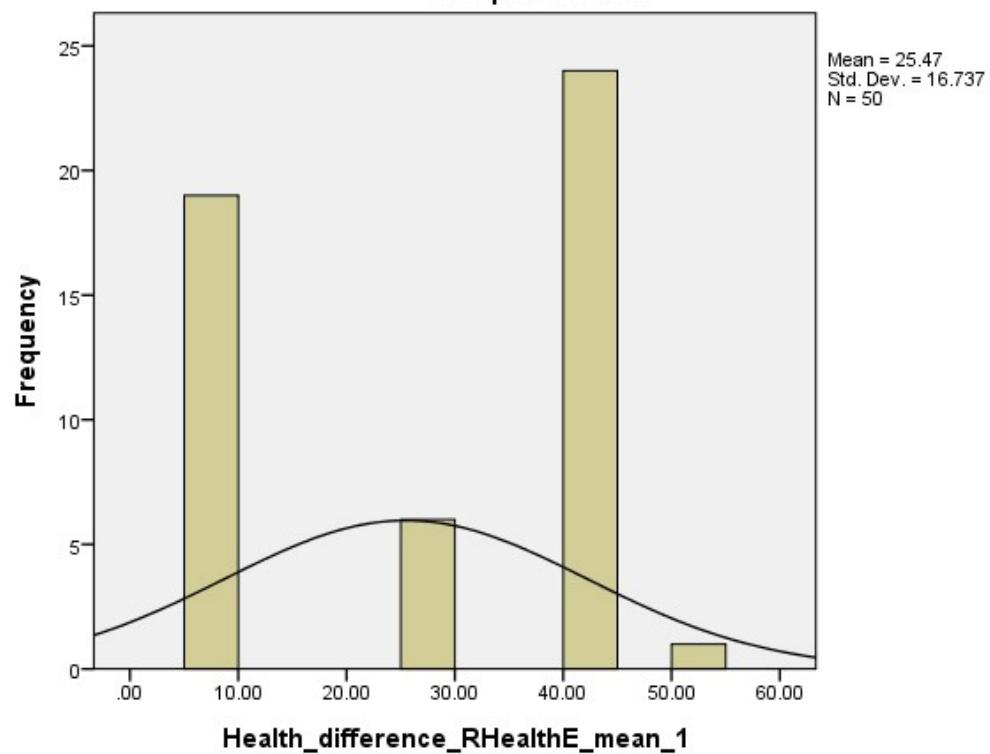
Health\_difference\_RHealthE\_me

an\_1

|          |         |         |
|----------|---------|---------|
| N        | Valid   | 50      |
|          | Missing | 0       |
| Variance |         | 280.142 |

**Health\_difference\_RHealthE\_mean\_1<sup>a</sup>**

|       |       | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------|-----------|---------|---------------|--------------------|
| Valid | 5.29  | 19        | 38.0    | 38.0          | 38.0               |
|       | 25.71 | 6         | 12.0    | 12.0          | 50.0               |
|       | 40.21 | 12        | 24.0    | 24.0          | 74.0               |
|       | 40.29 | 12        | 24.0    | 24.0          | 98.0               |
|       | 52.79 | 1         | 2.0     | 2.0           | 100.0              |
|       | Total | 50        | 100.0   | 100.0         |                    |

**Histogram****Group25: HealthE1**

**Group25 = HealthE2****Statistics<sup>a</sup>**

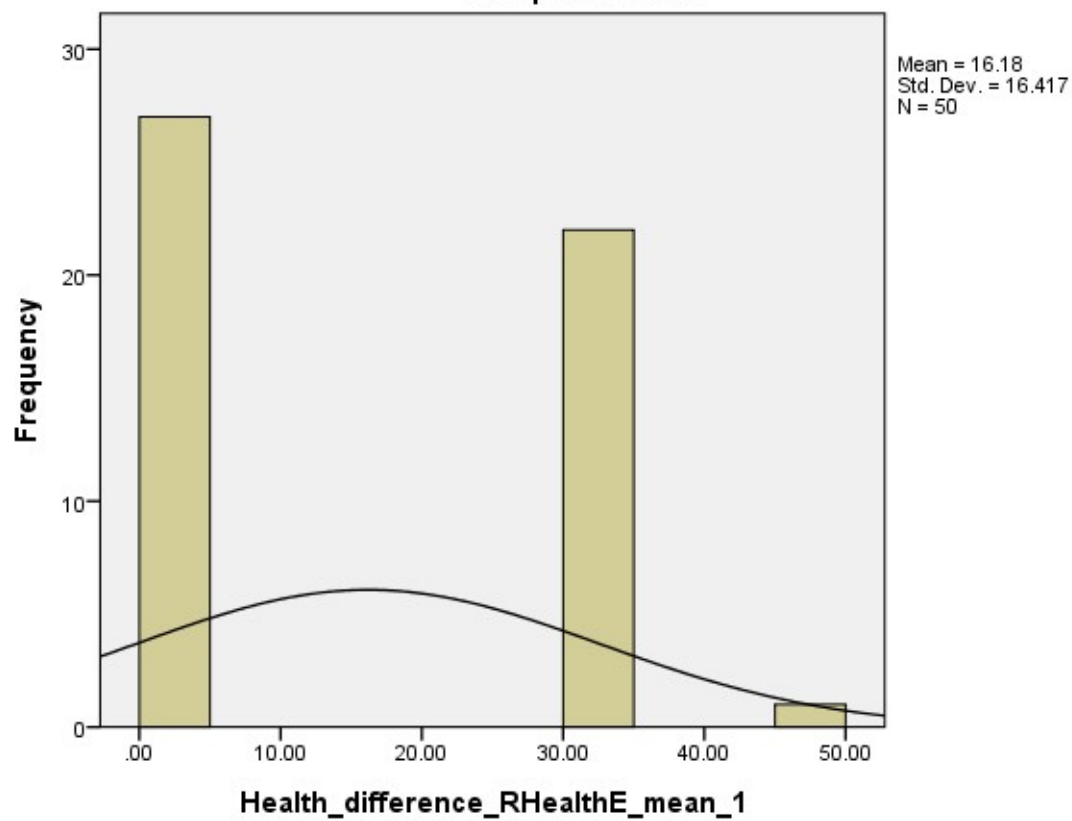
Health\_difference\_RHealthE\_me

an\_1

|          |         |         |
|----------|---------|---------|
| N        | Valid   | 50      |
|          | Missing | 0       |
| Variance |         | 269.513 |

**Health\_difference\_RHealthE\_mean\_1<sup>a</sup>**

|       |       | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------|-----------|---------|---------------|--------------------|
| Valid | 1.29  | 27        | 54.0    | 54.0          | 54.0               |
|       | 32.29 | 10        | 20.0    | 20.0          | 74.0               |
|       | 33.71 | 12        | 24.0    | 24.0          | 98.0               |
|       | 46.79 | 1         | 2.0     | 2.0           | 100.0              |
| Total |       | 50        | 100.0   | 100.0         |                    |

**Histogram****Group25: HealthE2**

```

SPLIT FILE OFF.
ONEWAY Health_difference_RHealthE_mean_1 BY Group25
  /STATISTICS DESCRIPTIVES HOMOGENEITY
  /MISSING ANALYSIS.

```

## Oneway

| Notes                  |                           |                                                                                                                            |
|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 22年11月2015日 下午06時33分35秒                                                                                                    |
| Comments               |                           |                                                                                                                            |
| Input                  | Data                      | C:\Users\user\Documents\Variances test for total mean<br>ot normal distribution HealthE.sav                                |
|                        | Active Dataset            | DataSet3                                                                                                                   |
|                        | Filter                    | <none>                                                                                                                     |
|                        | Weight                    | <none>                                                                                                                     |
|                        | Split File                | <none>                                                                                                                     |
|                        | N of Rows in Working Data | 100                                                                                                                        |
|                        | File                      |                                                                                                                            |
| Missing Value Handling | Definition of Missing     | User-defined missing values are treated as missing.                                                                        |
|                        | Cases Used                | Statistics for each analysis are based on cases with no missing data for any variable in the analysis.                     |
| Syntax                 |                           | ONEWAY<br>Health_difference_RHealthE_mean_1<br>BY Group25<br>/STATISTICS DESCRIPTIVES<br>HOMOGENEITY<br>/MISSING ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.000                                                                                                            |
|                        | Elapsed Time              | 00 00:00:00.014                                                                                                            |

[DataSet3] C:\Users\user\Documents\Variances test for total mean\not normal distribution HealthE.sav

**Descriptives**

Health difference RHealthE mean 1

|              | N   | Mean    | Std.<br>Deviation | Std.<br>Error | 95% Confidence Interval for<br>Mean |             | Minimum | Maximum |
|--------------|-----|---------|-------------------|---------------|-------------------------------------|-------------|---------|---------|
|              |     |         |                   |               | Lower Bound                         | Upper Bound |         |         |
| HealthE<br>1 | 50  | 25.4712 | 16.73743          | 2.36703       | 20.7145                             | 30.2279     | 5.29    | 52.79   |
| HealthE<br>2 | 50  | 16.1808 | 16.41685          | 2.32169       | 11.5152                             | 20.8464     | 1.29    | 46.79   |
| Total        | 100 | 20.8260 | 17.14197          | 1.71420       | 17.4247                             | 24.2273     | 1.29    | 52.79   |

**Test of Homogeneity of Variances**

Health difference RHealthE mean 1

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| .606             | 1   | 98  | .438 |

**ANOVA**

Health difference RHealthE mean 1

|                | Sum of Squares | df | Mean Square | F     | Sig. |
|----------------|----------------|----|-------------|-------|------|
| Between Groups | 2157.788       | 1  | 2157.788    | 7.851 | .006 |
| Within Groups  | 26933.074      | 98 | 274.827     |       |      |
| Total          | 29090.862      | 99 |             |       |      |

```

SORT CASES BY Group26.
SPLIT FILE SEPARATE BY Group26.
FREQUENCIES VARIABLES=HealthC
  /STATISTICS=VARIANCE MEAN
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

## Frequencies

| Notes                  |                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------|
| Output Created         | 13年11月2015日 下午08時29分50秒                                                                             |
| Comments               |                                                                                                     |
| Input                  | Data                                                                                                |
|                        | C:\Users\user\Documents\Variances analysis.sav                                                      |
|                        | Active Dataset                                                                                      |
|                        | DataSet1                                                                                            |
|                        | Filter                                                                                              |
|                        | <none>                                                                                              |
|                        | Weight                                                                                              |
|                        | <none>                                                                                              |
|                        | Split File                                                                                          |
|                        | Group26                                                                                             |
|                        | N of Rows in Working Data                                                                           |
|                        | 100                                                                                                 |
|                        | File                                                                                                |
| Missing Value Handling | Definition of Missing                                                                               |
|                        | User-defined missing values are treated as missing.                                                 |
|                        | Cases Used                                                                                          |
|                        | Statistics are based on all cases with valid data.                                                  |
| Syntax                 | FREQUENCIES VARIABLES=HealthC<br>/STATISTICS=VARIANCE MEAN<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time                                                                                      |
|                        | 00 00:00:00.312                                                                                     |
|                        | Elapsed Time                                                                                        |
|                        | 00 00:00:00.328                                                                                     |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

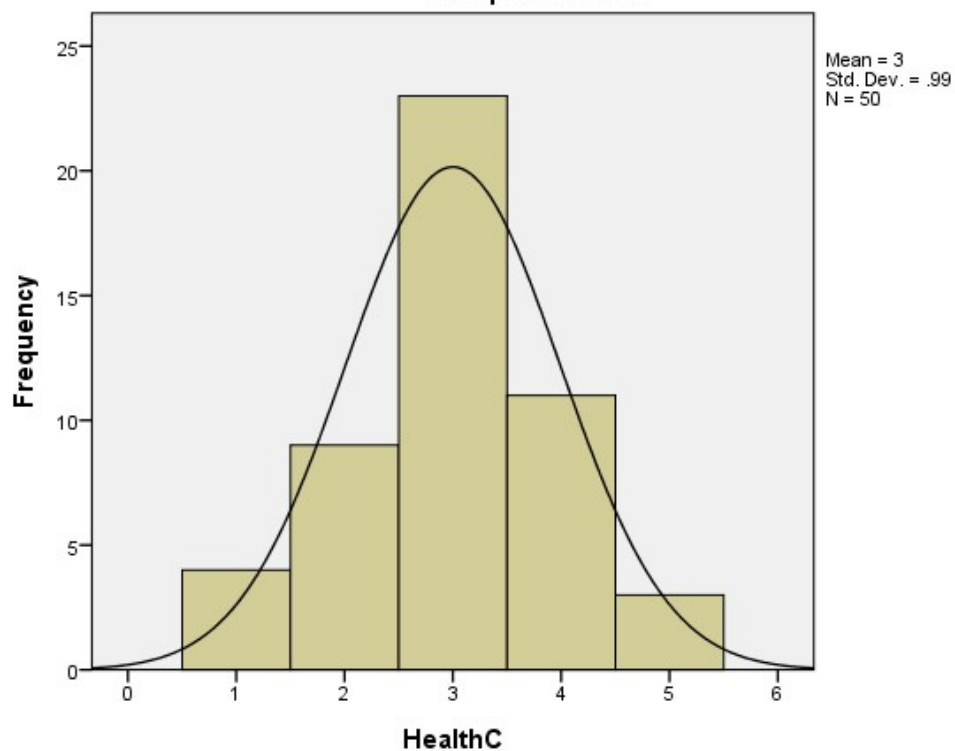
**Group26 = HealthC1****Statistics<sup>a</sup>**

HealthC

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.00 |
| Variance |         | .980 |

**HealthC<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 4         | 8.0     | 8.0           | 8.0                |
|       | 2                 | 9         | 18.0    | 18.0          | 26.0               |
|       | 3                 | 23        | 46.0    | 46.0          | 72.0               |
|       | 4                 | 11        | 22.0    | 22.0          | 94.0               |
|       | Strongly agree    | 3         | 6.0     | 6.0           | 100.0              |
| Total |                   | 50        | 100.0   | 100.0         |                    |

**Histogram****Group26: HealthC1****Group26 = HealthC2**

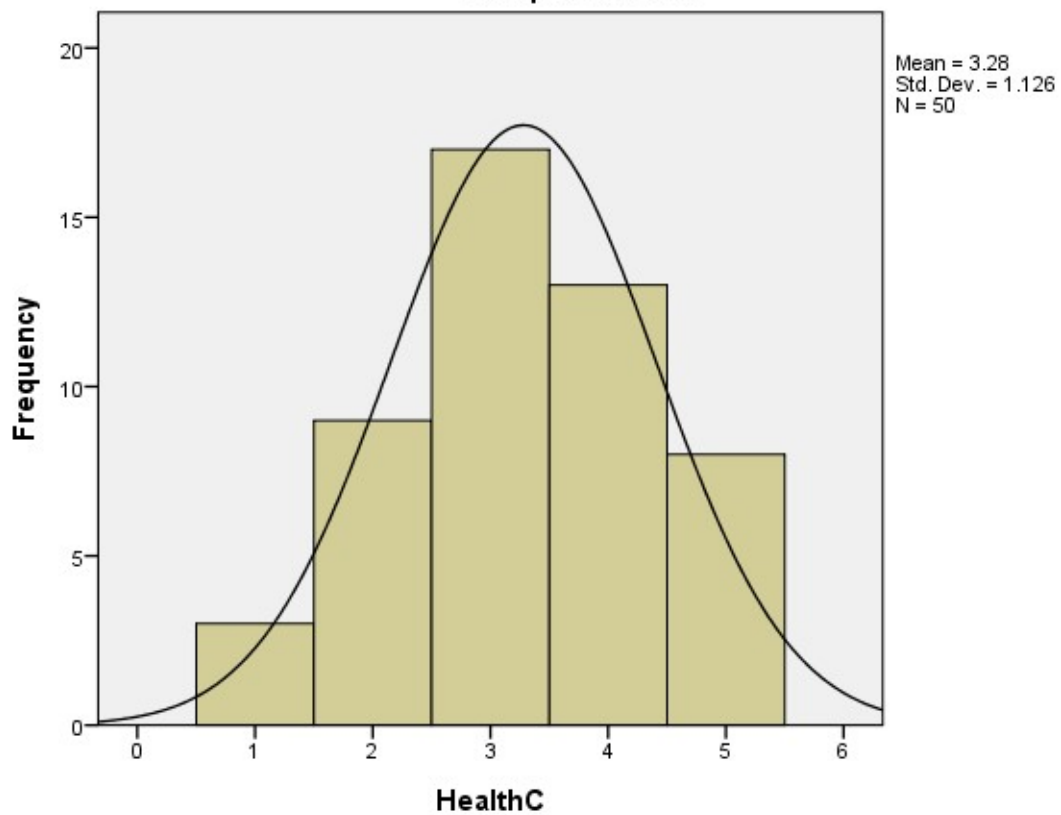
**Statistics<sup>a</sup>**

HealthC

|          |         |       |
|----------|---------|-------|
| N        | Valid   | 50    |
|          | Missing | 0     |
| Mean     |         | 3.28  |
| Variance |         | 1.267 |

**HealthC<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 3         | 6.0     | 6.0           | 6.0                |
|       | 2                 | 9         | 18.0    | 18.0          | 24.0               |
|       | 3                 | 17        | 34.0    | 34.0          | 58.0               |
|       | 4                 | 13        | 26.0    | 26.0          | 84.0               |
|       | Strongly agree    | 8         | 16.0    | 16.0          | 100.0              |
|       | Total             | 50        | 100.0   | 100.0         |                    |

**Histogram****Group26: HealthC2**

```

T-TEST GROUPS=Group26(1 2)
/MISSING=ANALYSIS
/VARIABLES=HealthC
/CRITERIA=CI(.95) .

```

## Notes

|                        |                                                                                             |                                                                                                                            |
|------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         | 13年11月2015日 下午08時30分41秒                                                                     |                                                                                                                            |
| Comments               |                                                                                             |                                                                                                                            |
| Input                  | Data                                                                                        | C:\Users\user\Documents\Variances analysis.sav                                                                             |
|                        | Active Dataset                                                                              | DataSet1                                                                                                                   |
|                        | Filter                                                                                      | <none>                                                                                                                     |
|                        | Weight                                                                                      | <none>                                                                                                                     |
|                        | Split File                                                                                  | Group26                                                                                                                    |
|                        | N of Rows in Working Data                                                                   | 100                                                                                                                        |
|                        | File                                                                                        |                                                                                                                            |
| Missing Value Handling | Definition of Missing                                                                       | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                                                                                  | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 | T-TEST GROUPS=Group26(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=HealthC<br>/CRITERIA=CI(.95). |                                                                                                                            |
| Resources              | Processor Time                                                                              | 00 00:00:00.000                                                                                                            |
|                        | Elapsed Time                                                                                | 00 00:00:00.000                                                                                                            |

```

SPLIT FILE OFF.
T-TEST GROUPS=Group26(1 2)
/MISSING=ANALYSIS
/VARIABLES=HealthC
/CRITERIA=CI(.95) .

```

## T-Test

### Notes

|                        |                                                                                             |                                                                                                                            |
|------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         | 13年11月2015日 下午08時31分17秒                                                                     |                                                                                                                            |
| Comments               |                                                                                             |                                                                                                                            |
| Input                  | Data                                                                                        | C:\Users\user\Documents\Variancies analysis.sav                                                                            |
|                        | Active Dataset                                                                              | DataSet1                                                                                                                   |
|                        | Filter                                                                                      | <none>                                                                                                                     |
|                        | Weight                                                                                      | <none>                                                                                                                     |
|                        | Split File                                                                                  | <none>                                                                                                                     |
|                        | N of Rows in Working Data                                                                   | 100                                                                                                                        |
|                        | File                                                                                        |                                                                                                                            |
| Missing Value Handling | Definition of Missing                                                                       | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                                                                                  | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 | T-TEST GROUPS=Group26(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=HealthC<br>/CRITERIA=CI(.95). |                                                                                                                            |
| Resources              | Processor Time                                                                              | 00 00:00:00.015                                                                                                            |
|                        | Elapsed Time                                                                                | 00 00:00:00.015                                                                                                            |

[DataSet1] C:\Users\user\Documents\Variancies analysis.sav

### Group Statistics

| Group26 |          | N  | Mean | Std. Deviation | Std. Error Mean |
|---------|----------|----|------|----------------|-----------------|
| HealthC | HealthC1 | 50 | 3.00 | .990           | .140            |
|         | HealthC2 | 50 | 3.28 | 1.126          | .159            |

| Independent Samples Test |                                |                               |      |                              |        |                    |                    |                            |                               |
|--------------------------|--------------------------------|-------------------------------|------|------------------------------|--------|--------------------|--------------------|----------------------------|-------------------------------|
|                          |                                | Levene's Test for Equality of |      | t-test for Equality of Means |        |                    |                    |                            |                               |
|                          |                                | Variances                     |      |                              |        |                    |                    |                            |                               |
|                          |                                |                               |      |                              |        |                    |                    | 95% Confidence Interval of |                               |
|                          |                                | F                             | Sig. | t                            | df     | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference   | the Difference<br>Lower Upper |
| Health<br>C              | Equal variances<br>assumed     | 3.322                         | .071 | -1.321                       | 98     | .190               | -.280              | .212                       | -.701 .141                    |
|                          | Equal variances not<br>assumed |                               |      | -1.321                       | 96.423 | .190               | -.280              | .212                       | -.701 .141                    |

```

SORT CASES BY Group27.
SPLIT FILE SEPARATE BY Group27.
FREQUENCIES VARIABLES=PerformE
  /STATISTICS=VARIANCE MEAN
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

## Frequencies

| Notes                  |                           |                                                                                                         |
|------------------------|---------------------------|---------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13年11月2015日 下午08時53分02秒                                                                                 |
| Comments               |                           |                                                                                                         |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                          |
|                        | Active Dataset            | DataSet1                                                                                                |
|                        | Filter                    | <none>                                                                                                  |
|                        | Weight                    | <none>                                                                                                  |
|                        | Split File                | Group27                                                                                                 |
|                        | N of Rows in Working Data | 100                                                                                                     |
|                        | File                      |                                                                                                         |
| Missing Value Handling | Definition of Missing     | User-defined missing values are treated as missing.                                                     |
|                        | Cases Used                | Statistics are based on all cases with valid data.                                                      |
| Syntax                 |                           | FREQUENCIES<br>VARIABLES=PerformE<br>/STATISTICS=VARIANCE MEAN<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.407                                                                                         |
|                        | Elapsed Time              | 00 00:00:00.392                                                                                         |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

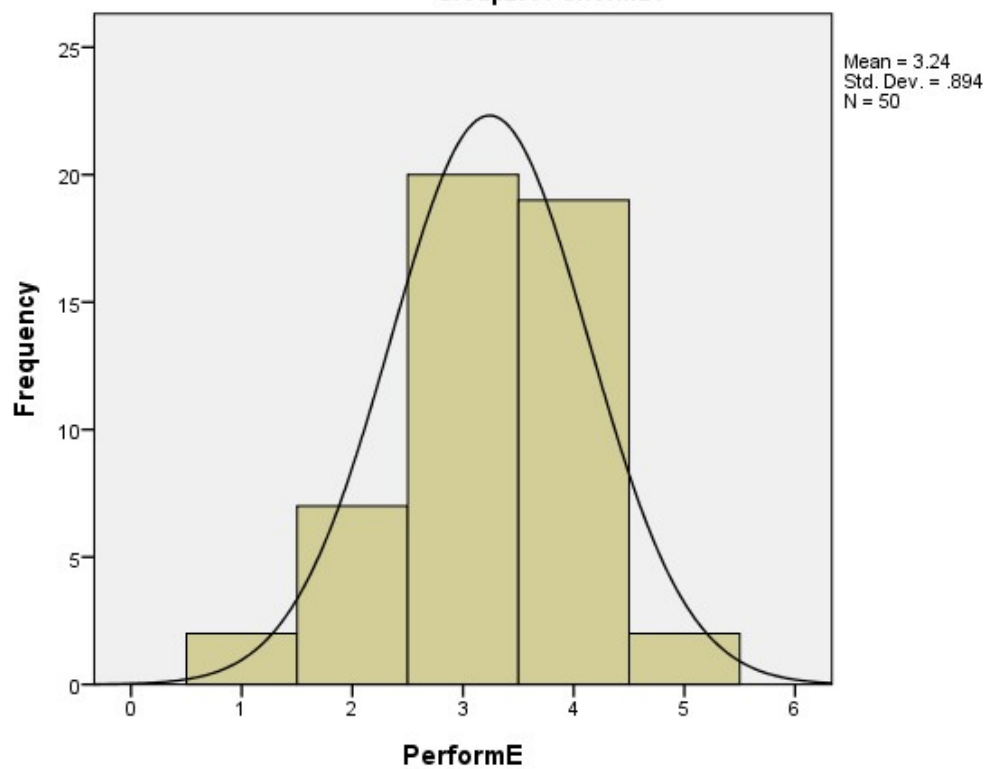
**Group27 = PerformE1****Statistics<sup>a</sup>**

PerformE

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.24 |
| Variance |         | .798 |

**PerformE<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 2         | 4.0     | 4.0           | 4.0                |
|       | 2                 | 7         | 14.0    | 14.0          | 18.0               |
|       | 3                 | 20        | 40.0    | 40.0          | 58.0               |
|       | 4                 | 19        | 38.0    | 38.0          | 96.0               |
|       | Strongly agree    | 2         | 4.0     | 4.0           | 100.0              |
|       | Total             | 50        | 100.0   | 100.0         |                    |

**Histogram****Group27: PerformE1**

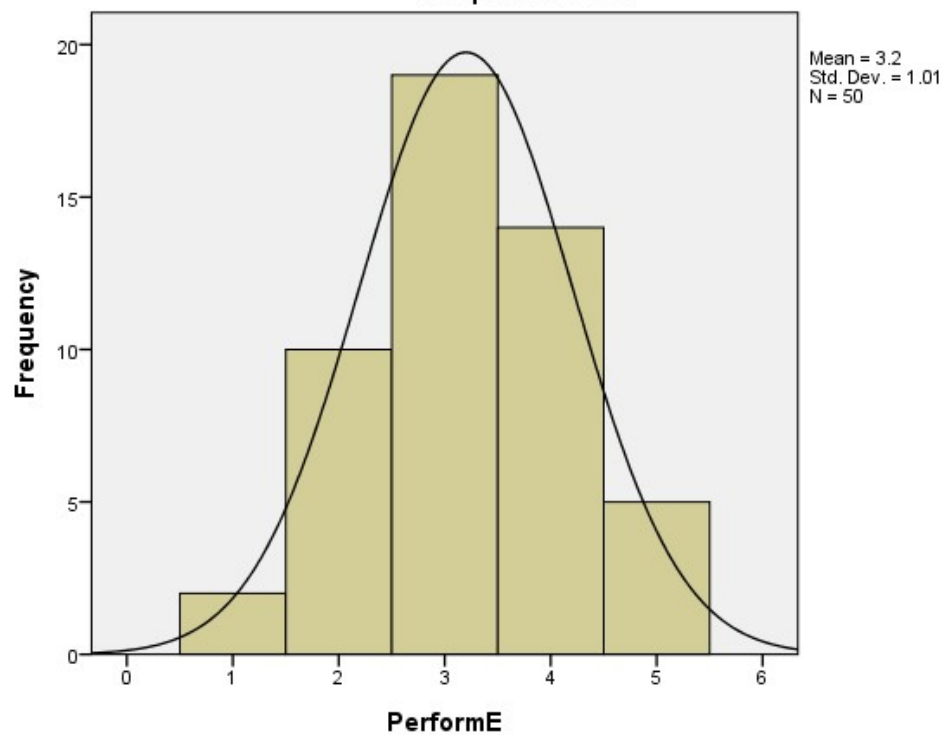
**Group27 = PerformE2****Statistics<sup>a</sup>**

PerformE

|          |         |       |
|----------|---------|-------|
| N        | Valid   | 50    |
|          | Missing | 0     |
| Mean     |         | 3.20  |
| Variance |         | 1.020 |

**PerformE<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 2         | 4.0     | 4.0           | 4.0                |
|       | 2                 | 10        | 20.0    | 20.0          | 24.0               |
|       | 3                 | 19        | 38.0    | 38.0          | 62.0               |
|       | 4                 | 14        | 28.0    | 28.0          | 90.0               |
|       | Strongly agree    | 5         | 10.0    | 10.0          | 100.0              |
|       | Total             | 50        | 100.0   | 100.0         |                    |

**Histogram****Group27: PerformE2**

```

SPLIT FILE OFF.
T-TEST GROUPS=Group27(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=PerformE
  /CRITERIA=CI(.95).

```

## T-Test

| Notes                  |                           |                                                                                                                            |
|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13年11月2015日 下午08時53分54秒                                                                                                    |
| Comments               |                           |                                                                                                                            |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                                             |
|                        | Active Dataset            | DataSet1                                                                                                                   |
|                        | Filter                    | <none>                                                                                                                     |
|                        | Weight                    | <none>                                                                                                                     |
|                        | Split File                | <none>                                                                                                                     |
|                        | N of Rows in Working Data | 100                                                                                                                        |
|                        | File                      |                                                                                                                            |
| Missing Value Handling | Definition of Missing     | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 |                           | T-TEST GROUPS=Group27(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=PerformE<br>/CRITERIA=CI(.95).                               |
| Resources              | Processor Time            | 00 00:00:00.015                                                                                                            |
|                        | Elapsed Time              | 00 00:00:00.015                                                                                                            |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

**Group Statistics**

| Group27  |           | N  | Mean | Std. Deviation | Std. Error Mean |
|----------|-----------|----|------|----------------|-----------------|
| PerformE | PerformE1 | 50 | 3.24 | .894           | .126            |
|          | PerformE2 | 50 | 3.20 | 1.010          | .143            |

**Independent Samples Test**

|              |                                | Levene's Test for Equality of |      | t-test for Equality of Means |        |                    |                    |                          |                                              |       |
|--------------|--------------------------------|-------------------------------|------|------------------------------|--------|--------------------|--------------------|--------------------------|----------------------------------------------|-------|
|              |                                | Variances                     |      |                              |        |                    |                    |                          |                                              |       |
|              |                                |                               |      |                              |        |                    |                    |                          | 95% Confidence Interval of<br>the Difference |       |
|              |                                | F                             | Sig. | t                            | df     | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference | Lower                                        | Upper |
| Perform<br>E | Equal variances<br>assumed     | .641                          | .425 | .210                         | 98     | .834               | .040               | .191                     | -.338                                        | .418  |
|              | Equal variances not<br>assumed |                               |      | .210                         | 96.561 | .834               | .040               | .191                     | -.339                                        | .419  |

```

SORT CASES BY Group28.
SPLIT FILE SEPARATE BY Group28.
FREQUENCIES VARIABLES=PerformC
  /STATISTICS=VARIANCE MEAN
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

## Frequencies

| Notes                  |                           |                                                                                                         |
|------------------------|---------------------------|---------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13年11月2015日 下午08時55分58秒                                                                                 |
| Comments               |                           |                                                                                                         |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                          |
|                        | Active Dataset            | DataSet1                                                                                                |
|                        | Filter                    | <none>                                                                                                  |
|                        | Weight                    | <none>                                                                                                  |
|                        | Split File                | Group28                                                                                                 |
|                        | N of Rows in Working Data | 100                                                                                                     |
|                        | File                      |                                                                                                         |
| Missing Value Handling | Definition of Missing     | User-defined missing values are treated as missing.                                                     |
|                        | Cases Used                | Statistics are based on all cases with valid data.                                                      |
| Syntax                 |                           | FREQUENCIES<br>VARIABLES=PerformC<br>/STATISTICS=VARIANCE MEAN<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.406                                                                                         |
|                        | Elapsed Time              | 00 00:00:00.392                                                                                         |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

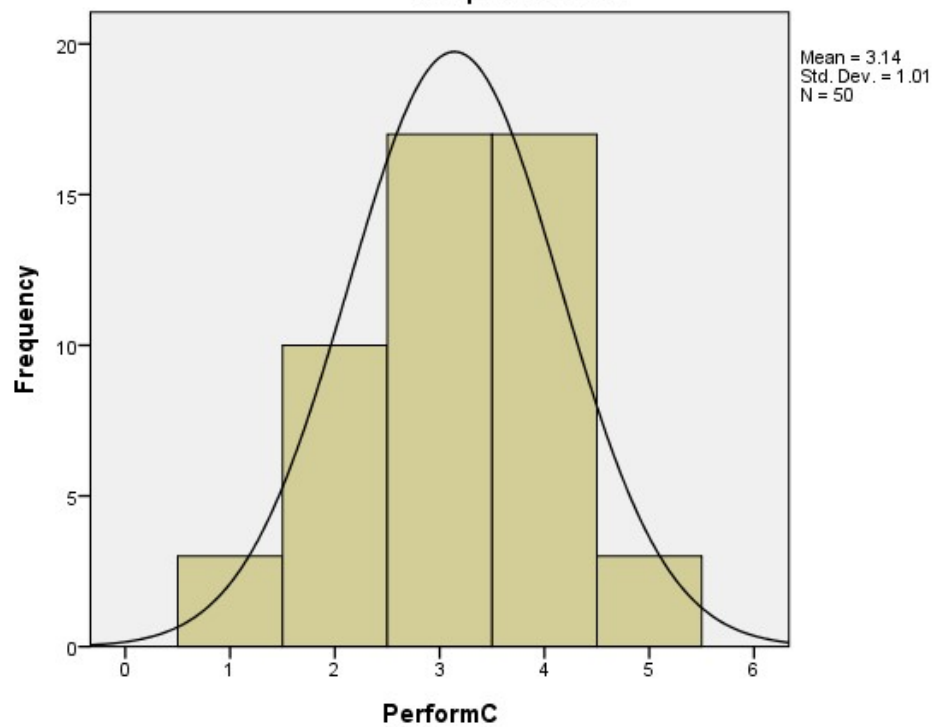
**Group28 = PerformC1****Statistics<sup>a</sup>**

PerformC

|          |         |       |
|----------|---------|-------|
| N        | Valid   | 50    |
|          | Missing | 0     |
| Mean     |         | 3.14  |
| Variance |         | 1.021 |

**PerformC<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 3         | 6.0     | 6.0           | 6.0                |
|       | 2                 | 10        | 20.0    | 20.0          | 26.0               |
|       | 3                 | 17        | 34.0    | 34.0          | 60.0               |
|       | 4                 | 17        | 34.0    | 34.0          | 94.0               |
|       | Strongly agree    | 3         | 6.0     | 6.0           | 100.0              |
|       | Total             | 50        | 100.0   | 100.0         |                    |

**Histogram****Group28: PerformC1**

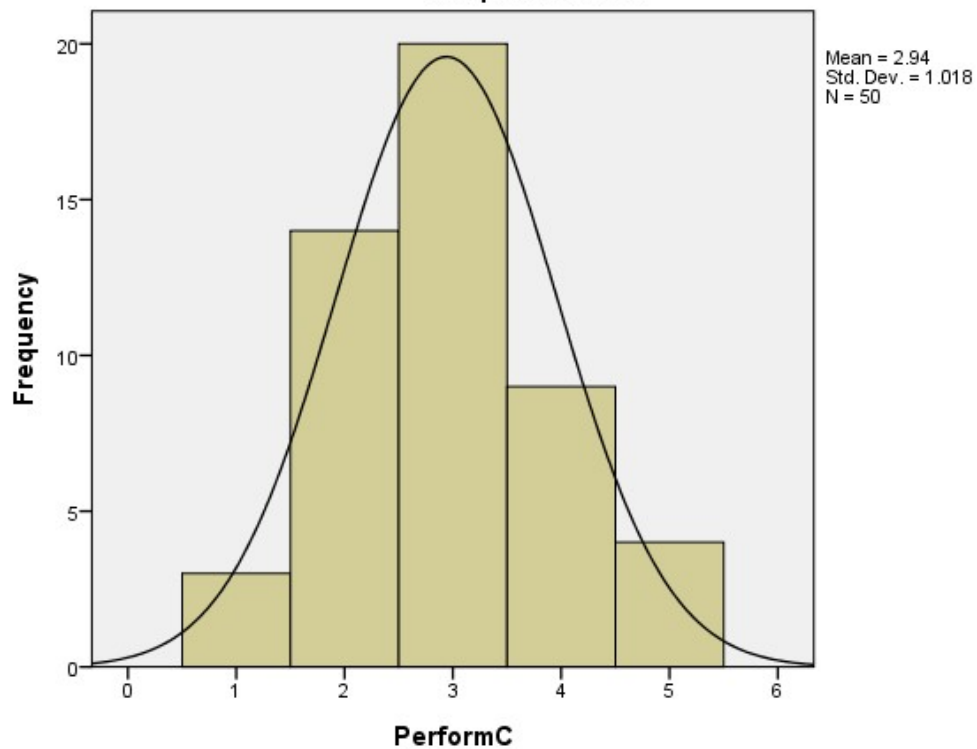
**Group28 = PerformC2****Statistics<sup>a</sup>**

PerformC

|          |         |       |
|----------|---------|-------|
| N        | Valid   | 50    |
|          | Missing | 0     |
| Mean     |         | 2.94  |
| Variance |         | 1.037 |

**PerformC<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 3         | 6.0     | 6.0           | 6.0                |
|       | 2                 | 14        | 28.0    | 28.0          | 34.0               |
|       | 3                 | 20        | 40.0    | 40.0          | 74.0               |
|       | 4                 | 9         | 18.0    | 18.0          | 92.0               |
|       | Strongly agree    | 4         | 8.0     | 8.0           | 100.0              |
|       | Total             | 50        | 100.0   | 100.0         |                    |

**Histogram****Group28: PerformC2**

```

SPLIT FILE OFF.
T-TEST GROUPS=Group28(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=PerformC
  /CRITERIA=CI(.95).

```

## T-Test

| Notes                  |                           |                                                                                                                            |
|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13年11月2015日 下午08時56分43秒                                                                                                    |
| Comments               |                           |                                                                                                                            |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                                             |
|                        | Active Dataset            | DataSet1                                                                                                                   |
|                        | Filter                    | <none>                                                                                                                     |
|                        | Weight                    | <none>                                                                                                                     |
|                        | Split File                | <none>                                                                                                                     |
|                        | N of Rows in Working Data | 100                                                                                                                        |
|                        | File                      |                                                                                                                            |
| Missing Value Handling | Definition of Missing     | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 |                           | T-TEST GROUPS=Group28(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=PerformC<br>/CRITERIA=CI(.95).                               |
| Resources              | Processor Time            | 00 00:00:00.000                                                                                                            |
|                        | Elapsed Time              | 00 00:00:00.000                                                                                                            |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

**Group Statistics**

| Group28  |           | N  | Mean | Std. Deviation | Std. Error Mean |
|----------|-----------|----|------|----------------|-----------------|
| PerformC | PerformC1 | 50 | 3.14 | 1.010          | .143            |
|          | PerformC2 | 50 | 2.94 | 1.018          | .144            |

**Independent Samples Test**

|              |                                | Levene's Test for Equality of |      | t-test for Equality of Means |        |                    |                    |                          |                                              |       |
|--------------|--------------------------------|-------------------------------|------|------------------------------|--------|--------------------|--------------------|--------------------------|----------------------------------------------|-------|
|              |                                | Variances                     |      |                              |        |                    |                    |                          |                                              |       |
|              |                                | F                             | Sig. | t                            | df     | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference | 95% Confidence Interval of<br>the Difference |       |
|              |                                |                               |      |                              |        |                    |                    |                          | Lower                                        | Upper |
| Perform<br>C | Equal variances<br>assumed     | .148                          | .701 | .986                         | 98     | .327               | .200               | .203                     | -.203                                        | .603  |
|              | Equal variances not<br>assumed |                               |      | .986                         | 97.994 | .327               | .200               | .203                     | -.203                                        | .603  |

```

SORT CASES BY Group29.
SPLIT FILE SEPARATE BY Group29.
FREQUENCIES VARIABLES=DocE
  /STATISTICS=VARIANCE MEAN
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

## Frequencies

|                        |                           | Notes                                                                                            |
|------------------------|---------------------------|--------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13 11月2015日 下午08時58分19秒                                                                          |
| Comments               |                           |                                                                                                  |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                   |
|                        | Active Dataset            | DataSet1                                                                                         |
|                        | Filter                    | <none>                                                                                           |
|                        | Weight                    | <none>                                                                                           |
|                        | Split File                | Group29                                                                                          |
|                        | N of Rows in Working Data | 100                                                                                              |
|                        | File                      |                                                                                                  |
| Missing Value Handling | Definition of Missing     | User-defined missing values are treated as missing.                                              |
|                        | Cases Used                | Statistics are based on all cases with valid data.                                               |
| Syntax                 |                           | FREQUENCIES VARIABLES=DocE<br>/STATISTICS=VARIANCE MEAN<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.328                                                                                  |
|                        | Elapsed Time              | 00 00:00:00.313                                                                                  |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

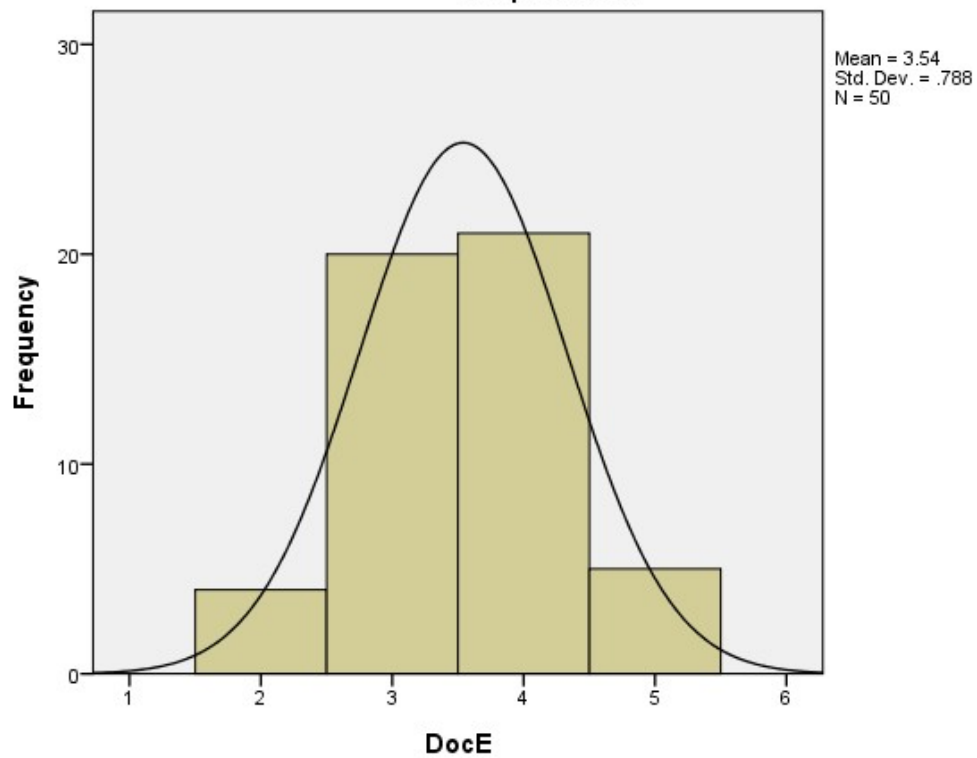
**Group29 = DocE1****Statistics<sup>a</sup>**

DocE

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.54 |
| Variance |         | .621 |

**DocE<sup>a</sup>**

|       |                | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----------------|-----------|---------|---------------|--------------------|
| Valid | 2              | 4         | 8.0     | 8.0           | 8.0                |
|       | 3              | 20        | 40.0    | 40.0          | 48.0               |
|       | 4              | 21        | 42.0    | 42.0          | 90.0               |
|       | Strongly agree | 5         | 10.0    | 10.0          | 100.0              |
| Total |                | 50        | 100.0   | 100.0         |                    |

**Histogram****Group29: DocE1**

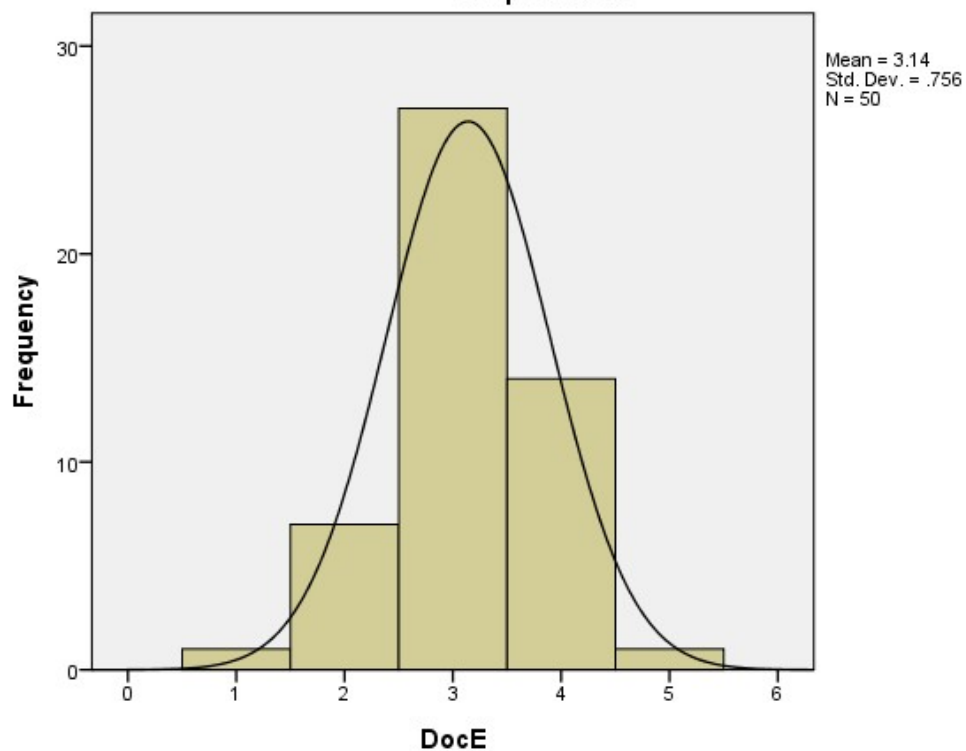
**Group29 = DocE2****Statistics<sup>a</sup>**

DocE

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.14 |
| Variance |         | .572 |

**DocE<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 1         | 2.0     | 2.0           | 2.0                |
|       | 2                 | 7         | 14.0    | 14.0          | 16.0               |
|       | 3                 | 27        | 54.0    | 54.0          | 70.0               |
|       | 4                 | 14        | 28.0    | 28.0          | 98.0               |
|       | Strongly agree    | 1         | 2.0     | 2.0           | 100.0              |
| Total |                   | 50        | 100.0   | 100.0         |                    |

**Histogram****Group29: DocE2**

```

SPLIT FILE OFF.
T-TEST GROUPS=Group29(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=DocE
  /CRITERIA=CI (.95) .

```

## T-Test

| Notes                  |                           |                                                                                                                            |
|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13 11月2015日 下午08時59分14秒                                                                                                    |
| Comments               |                           |                                                                                                                            |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                                             |
|                        | Active Dataset            | DataSet1                                                                                                                   |
|                        | Filter                    | <none>                                                                                                                     |
|                        | Weight                    | <none>                                                                                                                     |
|                        | Split File                | <none>                                                                                                                     |
|                        | N of Rows in Working Data | 100                                                                                                                        |
|                        | File                      |                                                                                                                            |
| Missing Value Handling | Definition of Missing     | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 |                           | T-TEST GROUPS=Group29(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=DocE<br>/CRITERIA=CI(.95).                                   |
| Resources              | Processor Time            | 00 00:00:00.000                                                                                                            |
|                        | Elapsed Time              | 00 00:00:00.016                                                                                                            |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

**Group Statistics**

| Group29 |       | N  | Mean | Std. Deviation | Std. Error Mean |
|---------|-------|----|------|----------------|-----------------|
| DocE    | DocE1 | 50 | 3.54 | .788           | .111            |
|         | DocE2 | 50 | 3.14 | .756           | .107            |

**Independent Samples Test**

|      |                                | Levene's Test for Equality of |      | t-test for Equality of Means |        |                    |                    |                          |                                              |
|------|--------------------------------|-------------------------------|------|------------------------------|--------|--------------------|--------------------|--------------------------|----------------------------------------------|
|      |                                | Variances                     |      |                              |        |                    |                    |                          |                                              |
|      |                                | F                             | Sig. | t                            | df     | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference | 95% Confidence Interval of<br>the Difference |
|      |                                |                               |      |                              |        |                    |                    |                          | Lower Upper                                  |
| DocE | Equal variances<br>assumed     | 1.838                         | .178 | 2.590                        | 98     | .011               | .400               | .154                     | .094 .706                                    |
|      | Equal variances not<br>assumed |                               |      | 2.590                        | 97.835 | .011               | .400               | .154                     | .094 .706                                    |

```

SORT CASES BY Group30.
SPLIT FILE SEPARATE BY Group30.
FREQUENCIES VARIABLES=DocC
  /STATISTICS=VARIANCE MEAN
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

## Frequencies

|                        |                           | Notes                                                                                            |
|------------------------|---------------------------|--------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13 11月2015日 下午09時00分28秒                                                                          |
| Comments               |                           |                                                                                                  |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                   |
|                        | Active Dataset            | DataSet1                                                                                         |
|                        | Filter                    | <none>                                                                                           |
|                        | Weight                    | <none>                                                                                           |
|                        | Split File                | Group30                                                                                          |
|                        | N of Rows in Working Data | 100                                                                                              |
|                        | File                      |                                                                                                  |
| Missing Value Handling | Definition of Missing     | User-defined missing values are treated as missing.                                              |
|                        | Cases Used                | Statistics are based on all cases with valid data.                                               |
| Syntax                 |                           | FREQUENCIES VARIABLES=DocC<br>/STATISTICS=VARIANCE MEAN<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.281                                                                                  |
|                        | Elapsed Time              | 00 00:00:00.281                                                                                  |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

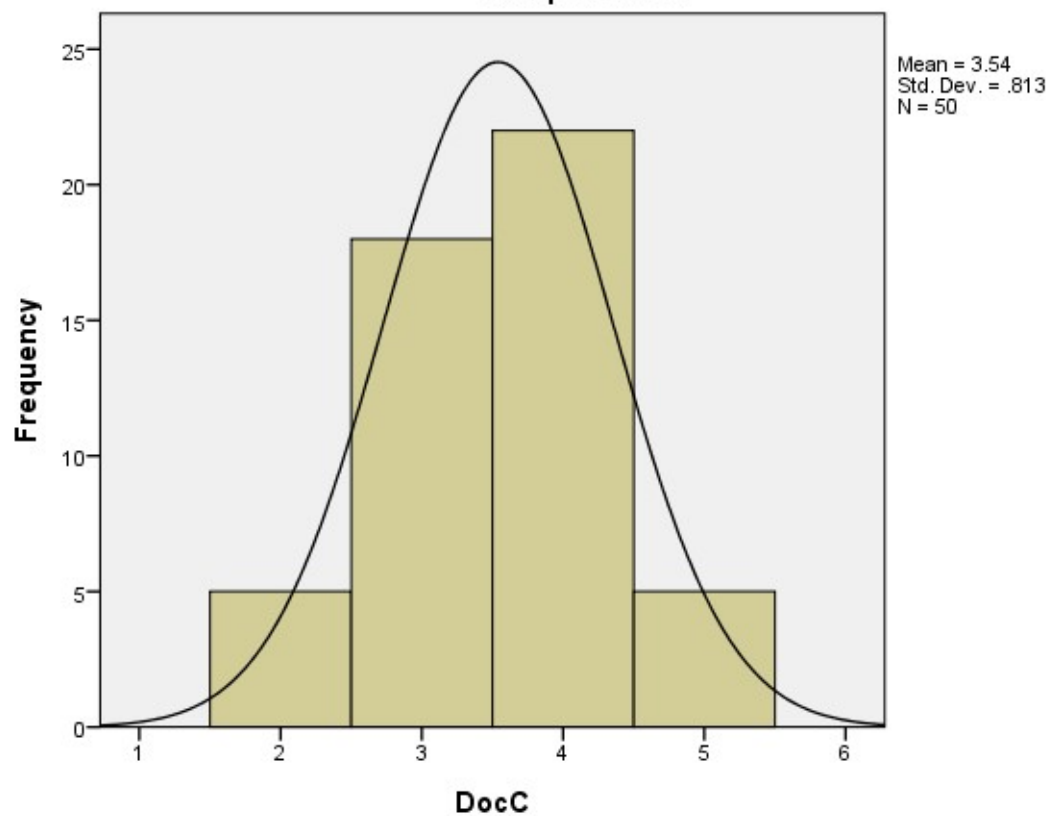
**Group30 = DocC1****Statistics<sup>a</sup>**

DocC

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.54 |
| Variance |         | .662 |

**DocC<sup>a</sup>**

|       |                | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----------------|-----------|---------|---------------|--------------------|
| Valid | 2              | 5         | 10.0    | 10.0          | 10.0               |
|       | 3              | 18        | 36.0    | 36.0          | 46.0               |
|       | 4              | 22        | 44.0    | 44.0          | 90.0               |
|       | Strongly agree | 5         | 10.0    | 10.0          | 100.0              |
|       | Total          | 50        | 100.0   | 100.0         |                    |

**Histogram****Group30: DocC1**

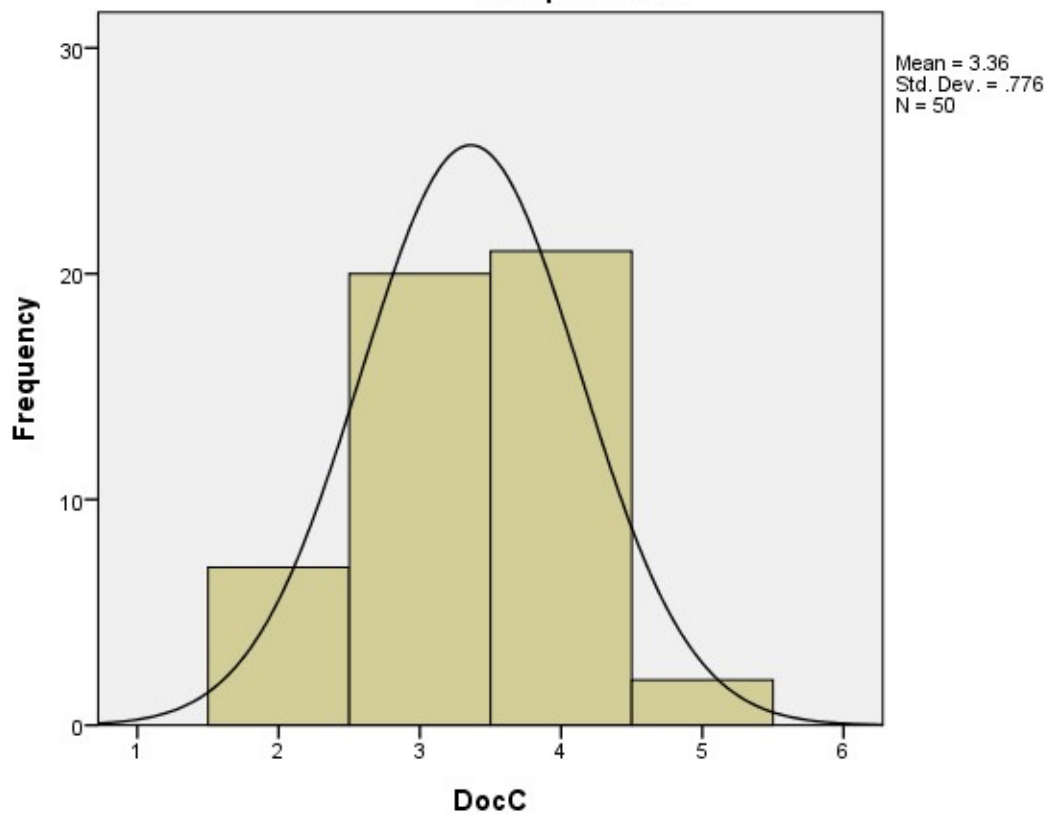
**Group30 = DocC2****Statistics<sup>a</sup>**

DocC

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.36 |
| Variance |         | .602 |

**DocC<sup>a</sup>**

|       |                | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----------------|-----------|---------|---------------|--------------------|
| Valid | 2              | 7         | 14.0    | 14.0          | 14.0               |
|       | 3              | 20        | 40.0    | 40.0          | 54.0               |
|       | 4              | 21        | 42.0    | 42.0          | 96.0               |
|       | Strongly agree | 2         | 4.0     | 4.0           | 100.0              |
|       | Total          | 50        | 100.0   | 100.0         |                    |

**Histogram****Group30: DocC2**

```

SPLIT FILE OFF.
T-TEST GROUPS=Group30(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=DocC
  /CRITERIA=CI(.95) .

```

## T-Test

| Notes                  |                           |                                                                                                                            |
|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13 11月2015日 下午09時01分12秒                                                                                                    |
| Comments               |                           |                                                                                                                            |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                                             |
|                        | Active Dataset            | DataSet1                                                                                                                   |
|                        | Filter                    | <none>                                                                                                                     |
|                        | Weight                    | <none>                                                                                                                     |
|                        | Split File                | <none>                                                                                                                     |
|                        | N of Rows in Working Data | 100                                                                                                                        |
|                        | File                      |                                                                                                                            |
| Missing Value Handling | Definition of Missing     | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 |                           | T-TEST GROUPS=Group30(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=DocC<br>/CRITERIA=CI(.95).                                   |
| Resources              | Processor Time            | 00 00:00:00.015                                                                                                            |
|                        | Elapsed Time              | 00 00:00:00.031                                                                                                            |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

**Group Statistics**

| Group30 |       | N  | Mean | Std. Deviation | Std. Error Mean |
|---------|-------|----|------|----------------|-----------------|
| DocC    | DocC1 | 50 | 3.54 | .813           | .115            |
|         | DocC2 | 50 | 3.36 | .776           | .110            |

**Independent Samples Test**

|      |                                | Levene's Test for Equality of |      | t-test for Equality of Means |        |                    |                    |                          |                                              |
|------|--------------------------------|-------------------------------|------|------------------------------|--------|--------------------|--------------------|--------------------------|----------------------------------------------|
|      |                                | Variances                     |      |                              |        |                    |                    |                          |                                              |
|      |                                | F                             | Sig. | t                            | df     | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference | 95% Confidence Interval of<br>the Difference |
|      |                                |                               |      |                              |        |                    |                    |                          | Lower Upper                                  |
| DocC | Equal variances<br>assumed     | .126                          | .724 | 1.132                        | 98     | .260               | .180               | .159                     | -.136 .496                                   |
|      | Equal variances not<br>assumed |                               |      | 1.132                        | 97.786 | .260               | .180               | .159                     | -.136 .496                                   |

```

SORT CASES BY Group31.
SPLIT FILE SEPARATE BY Group31.
FREQUENCIES VARIABLES=EmergencyE
  /STATISTICS=VARIANCE MEAN
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

## Frequencies

|                        |                           | Notes                                                                                                     |
|------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13 11月2015日 下午09時02分33秒                                                                                   |
| Comments               |                           |                                                                                                           |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                            |
|                        | Active Dataset            | DataSet1                                                                                                  |
|                        | Filter                    | <none>                                                                                                    |
|                        | Weight                    | <none>                                                                                                    |
|                        | Split File                | Group31                                                                                                   |
|                        | N of Rows in Working Data | 100                                                                                                       |
|                        | File                      |                                                                                                           |
| Missing Value Handling | Definition of Missing     | User-defined missing values are treated as missing.                                                       |
|                        | Cases Used                | Statistics are based on all cases with valid data.                                                        |
| Syntax                 |                           | FREQUENCIES<br>VARIABLES=EmergencyE<br>/STATISTICS=VARIANCE MEAN<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.344                                                                                           |
|                        | Elapsed Time              | 00 00:00:00.314                                                                                           |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

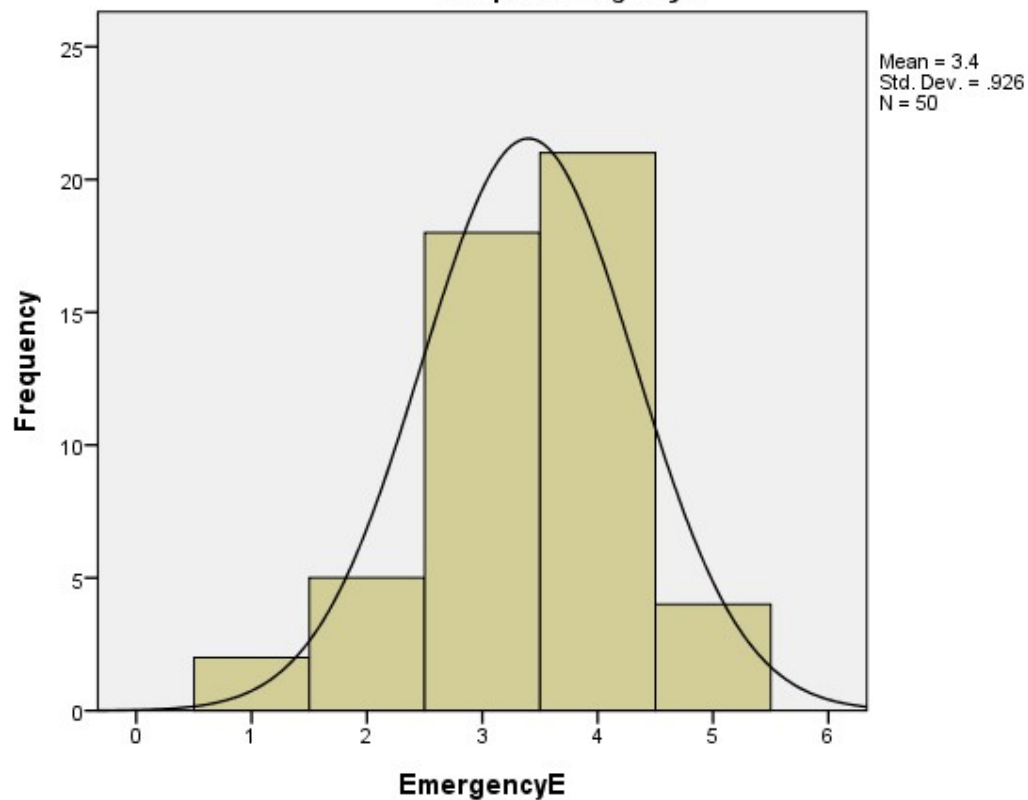
**Group31 = EmergencyE1****Statistics<sup>a</sup>**

EmergencyE

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.40 |
| Variance |         | .857 |

**EmergencyE<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 2         | 4.0     | 4.0           | 4.0                |
|       | 2                 | 5         | 10.0    | 10.0          | 14.0               |
|       | 3                 | 18        | 36.0    | 36.0          | 50.0               |
|       | 4                 | 21        | 42.0    | 42.0          | 92.0               |
|       | Strongly agree    | 4         | 8.0     | 8.0           | 100.0              |
|       | Total             | 50        | 100.0   | 100.0         |                    |

**Histogram****Group31: EmergencyE1**

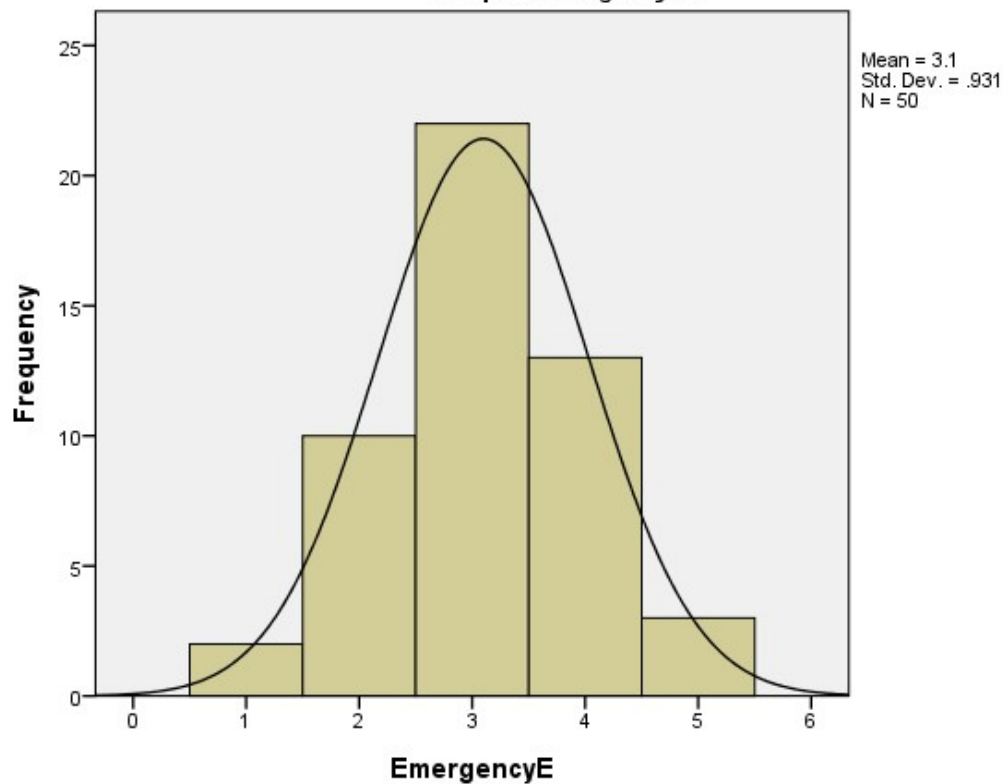
**Group31 = EmergencyE2****Statistics<sup>a</sup>**

EmergencyE

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.10 |
| Variance |         | .867 |

**EmergencyE<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 2         | 4.0     | 4.0           | 4.0                |
|       | 2                 | 10        | 20.0    | 20.0          | 24.0               |
|       | 3                 | 22        | 44.0    | 44.0          | 68.0               |
|       | 4                 | 13        | 26.0    | 26.0          | 94.0               |
|       | Strongly agree    | 3         | 6.0     | 6.0           | 100.0              |
|       | Total             | 50        | 100.0   | 100.0         |                    |

**Histogram****Group31: EmergencyE2**

```

SPLIT FILE OFF.
T-TEST GROUPS=Group31(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=EmergencyE
  /CRITERIA=CI(.95).

```

## T-Test

| Notes                  |                           |                                                                                                                            |
|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13 11月2015日 下午09時03分32秒                                                                                                    |
| Comments               |                           |                                                                                                                            |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                                             |
|                        | Active Dataset            | DataSet1                                                                                                                   |
|                        | Filter                    | <none>                                                                                                                     |
|                        | Weight                    | <none>                                                                                                                     |
|                        | Split File                | <none>                                                                                                                     |
|                        | N of Rows in Working Data | 100                                                                                                                        |
|                        | File                      |                                                                                                                            |
| Missing Value Handling | Definition of Missing     | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 |                           | T-TEST GROUPS=Group31(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=EmergencyE<br>/CRITERIA=CI(.95).                             |
| Resources              | Processor Time            | 00 00:00:00.000                                                                                                            |
|                        | Elapsed Time              | 00 00:00:00.000                                                                                                            |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

**Group Statistics**

| Group31    |             | N  | Mean | Std. Deviation | Std. Error Mean |
|------------|-------------|----|------|----------------|-----------------|
| EmergencyE | EmergencyE1 | 50 | 3.40 | .926           | .131            |
|            | EmergencyE2 | 50 | 3.10 | .931           | .132            |

**Independent Samples Test**

|            |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |        |                    |                    |                          |                                              |       |
|------------|-----------------------------|-----------------------------------------|------|------------------------------|--------|--------------------|--------------------|--------------------------|----------------------------------------------|-------|
|            |                             | F                                       | Sig. | t                            | df     | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference | 95% Confidence Interval of<br>the Difference |       |
|            |                             |                                         |      |                              |        |                    |                    |                          | Lower                                        | Upper |
|            |                             |                                         |      |                              |        |                    |                    |                          |                                              |       |
| EmergencyE | Equal variances assumed     | .320                                    | .573 | 1.615                        | 98     | .109               | .300               | .186                     | -.069                                        | .669  |
|            | Equal variances not assumed |                                         |      | 1.615                        | 97.997 | .109               | .300               | .186                     | -.069                                        | .669  |

```

SORT CASES BY Group32.
SPLIT FILE SEPARATE BY Group32.
FREQUENCIES VARIABLES=EmergencyC
  /STATISTICS=VARIANCE MEAN
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

## Frequencies

|                        |                           | Notes                                                                                                     |
|------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13 11月2015日 下午09時05分19秒                                                                                   |
| Comments               |                           |                                                                                                           |
| Input                  | Data                      | C:\Users\user\Documents\Variances analysis.sav                                                            |
|                        | Active Dataset            | DataSet1                                                                                                  |
|                        | Filter                    | <none>                                                                                                    |
|                        | Weight                    | <none>                                                                                                    |
|                        | Split File                | Group32                                                                                                   |
|                        | N of Rows in Working Data | 100                                                                                                       |
|                        | File                      |                                                                                                           |
| Missing Value Handling | Definition of Missing     | User-defined missing values are treated as missing.                                                       |
|                        | Cases Used                | Statistics are based on all cases with valid data.                                                        |
| Syntax                 |                           | FREQUENCIES<br>VARIABLES=EmergencyC<br>/STATISTICS=VARIANCE MEAN<br>/HISTOGRAM NORMAL<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time            | 00 00:00:00.313                                                                                           |
|                        | Elapsed Time              | 00 00:00:00.281                                                                                           |

[DataSet1] C:\Users\user\Documents\Variances analysis.sav

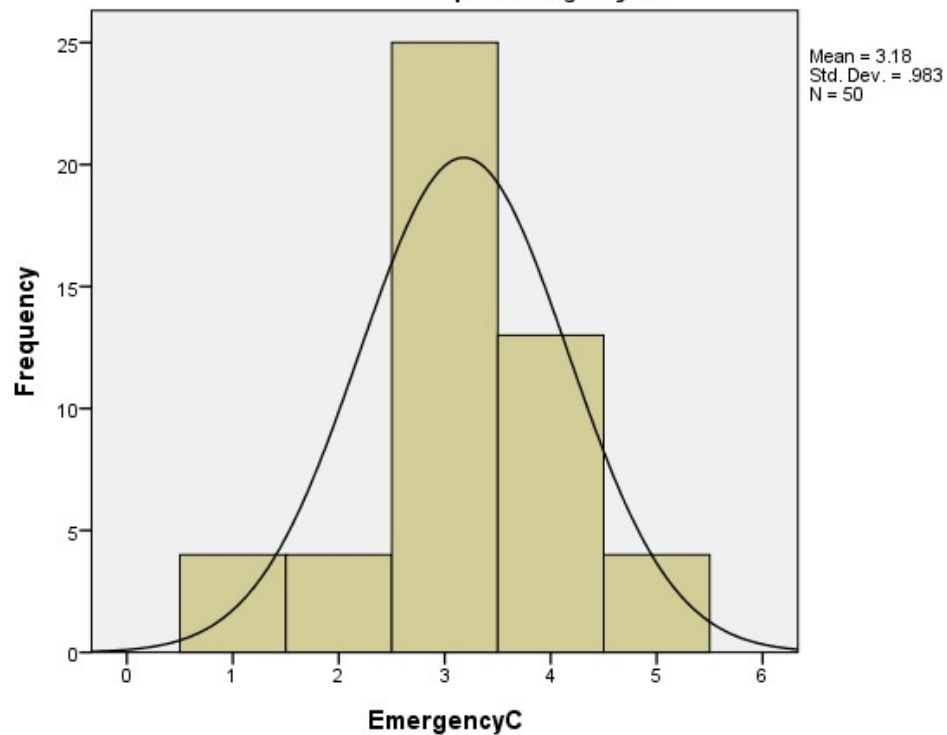
**Group32 = EmergencyC1****Statistics<sup>a</sup>**

EmergencyC

|          |         |      |
|----------|---------|------|
| N        | Valid   | 50   |
|          | Missing | 0    |
| Mean     |         | 3.18 |
| Variance |         | .967 |

**EmergencyC<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 4         | 8.0     | 8.0           | 8.0                |
|       | 2                 | 4         | 8.0     | 8.0           | 16.0               |
|       | 3                 | 25        | 50.0    | 50.0          | 66.0               |
|       | 4                 | 13        | 26.0    | 26.0          | 92.0               |
|       | Strongly agree    | 4         | 8.0     | 8.0           | 100.0              |
|       | Total             | 50        | 100.0   | 100.0         |                    |

**Histogram****Group32: EmergencyC1****Group32 = EmergencyC2**

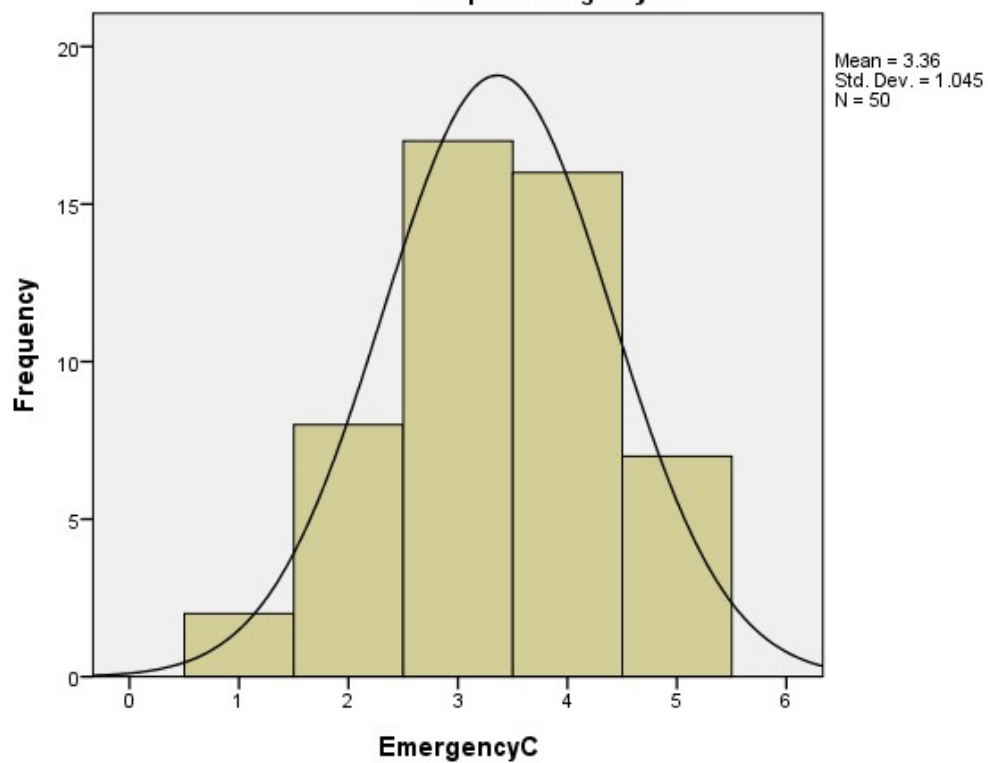
**Statistics<sup>a</sup>**

EmergencyC

|          |         |       |
|----------|---------|-------|
| N        | Valid   | 50    |
|          | Missing | 0     |
| Mean     |         | 3.36  |
| Variance |         | 1.092 |

**EmergencyC<sup>a</sup>**

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Strongly disagree | 2         | 4.0     | 4.0           | 4.0                |
|       | 2                 | 8         | 16.0    | 16.0          | 20.0               |
|       | 3                 | 17        | 34.0    | 34.0          | 54.0               |
|       | 4                 | 16        | 32.0    | 32.0          | 86.0               |
|       | Strongly agree    | 7         | 14.0    | 14.0          | 100.0              |
|       | Total             | 50        | 100.0   | 100.0         |                    |

**Histogram****Group32: EmergencyC2**

```

SPLIT FILE OFF.
T-TEST GROUPS=Group32(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=EmergencyC
  /CRITERIA=CI(.95).

```

## T-Test

| Notes                  |                           |                                                                                                                            |
|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                           | 13 11月2015日 下午09時06分16秒                                                                                                    |
| Comments               |                           |                                                                                                                            |
| Input                  | Data                      | C:\Users\user\Documents\Variancies analysis.sav                                                                            |
|                        | Active Dataset            | DataSet1                                                                                                                   |
|                        | Filter                    | <none>                                                                                                                     |
|                        | Weight                    | <none>                                                                                                                     |
|                        | Split File                | <none>                                                                                                                     |
|                        | N of Rows in Working Data | 100                                                                                                                        |
|                        | File                      |                                                                                                                            |
| Missing Value Handling | Definition of Missing     | User defined missing values are treated as missing.                                                                        |
|                        | Cases Used                | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax                 |                           | T-TEST GROUPS=Group32(1 2)<br>/MISSING=ANALYSIS<br>/VARIABLES=EmergencyC<br>/CRITERIA=CI(.95).                             |
| Resources              | Processor Time            | 00 00:00:00.016                                                                                                            |
|                        | Elapsed Time              | 00 00:00:00.016                                                                                                            |

[DataSet1] C:\Users\user\Documents\Variancies analysis.sav

## Group Statistics

| Group32    |             | N  | Mean | Std. Deviation | Std. Error Mean |
|------------|-------------|----|------|----------------|-----------------|
| EmergencyC | EmergencyC1 | 50 | 3.18 | .983           | .139            |
|            | EmergencyC2 | 50 | 3.36 | 1.045          | .148            |

| Independent Samples Test |                             |                            |      |                              |        |                    |                    |                          |       |                            |  |
|--------------------------|-----------------------------|----------------------------|------|------------------------------|--------|--------------------|--------------------|--------------------------|-------|----------------------------|--|
|                          |                             | Levene's Test for Equality |      |                              |        |                    |                    |                          |       |                            |  |
|                          |                             | of Variances               |      | t-test for Equality of Means |        |                    |                    |                          |       |                            |  |
|                          |                             |                            |      |                              |        |                    |                    |                          |       | 95% Confidence Interval of |  |
|                          |                             |                            |      |                              |        |                    |                    |                          |       | the Difference             |  |
|                          |                             | F                          | Sig. | t                            | df     | Sig.<br>(2-tailed) | Mean<br>Difference | Std. Error<br>Difference | Lower | Upper                      |  |
| Emergency C              | Equal variances assumed     | 1.497                      | .224 | -.887                        | 98     | .377               | -.180              | .203                     | -.583 | .223                       |  |
|                          | Equal variances not assumed |                            |      | -.887                        | 97.638 | .377               | -.180              | .203                     | -.583 | .223                       |  |

| <i>Bulcan State University</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <i>A survey on Effectiveness of the Safety Management System in Hong 年ong</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| <p>Dear Sir,</p> <p>I am writing to seek your assistance in completing a study on the Effectiveness of the Hong Kong Safety Management Regulation. It is the thesis of the proposed research that organizational safety performance, as reflected through non-financial performance indicators, relates to the 14 elements of the safety audit scheme in Hong Kong.</p> <p>The researcher, Mr. Ling Kwai Sum, Samuel, is a doctoral student of the Bulcan State University. Currently, the researcher is working with a local construction company as Senior Safety Officer. The project is conducted as per the requirements of the DBA course. All data collected will be treated confidentially and anonymously. Upon completion, research results will be published in de-identifiable form in a dissertation paper. Summary of the research findings, also in anonymous form, might be published in management journals. Participants are cordially requested to answer the questions in the attached questionnaire and return it to</p> |  |

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| <b>Part I :Respondent Identity</b>                                                                                                    |                                                                                                         | Date of reply:                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |
| <b>Job Title:</b>                                                                                                                     | Name (Optional):                                                                                        | Tel. (Optional):                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |
| <b>Please select the correct description(s) of your usual duties.</b>                                                                 |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| A                                                                                                                                     | You are a safety officer.                                                                               |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| B                                                                                                                                     | You are a safety manager who manage a safety department.                                                |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| C                                                                                                                                     | You are a safety auditor.                                                                               |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| D                                                                                                                                     | You are a safety supervisor                                                                             |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| E                                                                                                                                     | You are not a safety practioner but always involve in safety audit.                                     |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| F                                                                                                                                     | Others:                                                                                                 |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| <b>Part II: Are the Elements that you think are critical factors to your company's safety system, influencing safety performance?</b> |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| Which elements you think are essential to your project/s?                                                                             |                                                                                                         | <div style="display: flex; justify-content: space-between;"> <span><b>Strongly support</b></span> <span><b>Strongly not support</b></span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><b>5</b></span> <span><b>4</b></span> <span><b>3</b></span> <span><b>2</b></span> <span><b>1</b></span> </div> |  |  |  |  |
| 1                                                                                                                                     | <b>Safety Policy</b> that you believe is one of the critical factor in safety management system.        |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| 1.1                                                                                                                                   | Safety Policy which states the commitment of the proprietor or contractor to safety and health at work. |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| Management Support <input type="checkbox"/> <span style="margin-left: 100px;">Employee Involvement <input type="checkbox"/></span>    |                                                                                                         | Which category does this element belong? [give a tick to left or right box].                                                                                                                                                                                                                                                                         |  |  |  |  |
| 2                                                                                                                                     | <b>Safety Organization</b> is the factor you will apply in your safety management system?               |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| 2.1                                                                                                                                   | Safety Organization to assure implementation of the commitment to safety and health at work.            |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| Management Support <input type="checkbox"/> <span style="margin-left: 100px;">Employee Involvement <input type="checkbox"/></span>    |                                                                                                         | Which category does this element belong? [give a tick to left or right box].                                                                                                                                                                                                                                                                         |  |  |  |  |
| 3                                                                                                                                     | <b>Safety Training</b> to equip personnel with knowledge to work safely and without risk to health.     |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |

|    |                                                                                                                                                                                                                |  |  |  |  |
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|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |
| 4  | <b>In House Safety Rules</b> to provide instruction for achieving safety management objectives.                                                                                                                |  |  |  |  |
|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |
| 5  | <b>Inspection Programme</b> to identify hazardous conditions and for the rectification of any such conditions at regular intervals or as appropriate.                                                          |  |  |  |  |
|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |
| 6  | <b>Hazard Identification Programme</b> to identify the risk exposure to the workers and to provide suitable personal protective equipment as a last resort where engineering control methods are not feasible. |  |  |  |  |
|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |
| 7  | <b>Accident or Incident investigation</b> to find out the cause of any accident or incident and to develop prompt arrangements to prevent occurrences.                                                         |  |  |  |  |
|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |
| 8  | <b>Emergency Preparedness</b> to develop, communication and execute plans prescribing the effective management of emergency situations.                                                                        |  |  |  |  |
|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |
| 9  | <b>Evaluation, selection and control of sub-contractors</b> to ensure that sub-contractors are fully aware of their safety obligations and are in fact meeting them.                                           |  |  |  |  |
|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |
| 10 | <b>Safety Committees</b>                                                                                                                                                                                       |  |  |  |  |
|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |
| 11 | <b>Job Hazards Evaluation</b> and development of safety procedures                                                                                                                                             |  |  |  |  |
|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |
| 12 | <b>Safety Promotion</b> , development and maintenance of safety and health awareness in a workplace.                                                                                                           |  |  |  |  |
|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |
| 13 | <b>Process Control Programme</b> (a programme for accident control and elimination of hazards before exposing workers to any adverse work environment.                                                         |  |  |  |  |
|    | <b>If no, why?</b>                                                                                                                                                                                             |  |  |  |  |

|                                             |                                                                                         |  |  |  |  |  |
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| 14                                          | <b>Health Programme</b> to protect workers from occupational hazards.                   |  |  |  |  |  |
|                                             | <b>If no, why?</b>                                                                      |  |  |  |  |  |
|                                             |                                                                                         |  |  |  |  |  |
| <b>Verbal Interview Reference Questions</b> |                                                                                         |  |  |  |  |  |
| Q1                                          | What is the business nature of your company? (Building, Civil, Foundation, Maitenance). |  |  |  |  |  |
| Q2                                          | Do you think the audit score reflect the organizational safety performance?             |  |  |  |  |  |
| Q3                                          | To which level the audit system reflect the organizational safety performance?          |  |  |  |  |  |
| Q4                                          | Do you think the safety management system relate to performance and why?                |  |  |  |  |  |
| Q5                                          | Do you think the Hong Kong audit system all kind of companies and projects?             |  |  |  |  |  |
| Q6                                          | What elements you consider are utmost important to the safety management system?        |  |  |  |  |  |

|                                                           |                                                                  |
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| Q7                                                        | What do you think SMS regulation in Hong Kong?                   |
| Q8                                                        | Do you think safety culture should be one of the element of SMS? |
| Q9                                                        | Other Comment or Suggestion?                                     |
| End of Questionnaire. Thank you for your kind assistance! |                                                                  |