APPENDIX 3.2.

**INSTRUMENT’S VALIDITY TESTING**

|  |  |  |
| --- | --- | --- |
| **Correlations** | | |
|  | | total |
| q1 | Pearson Correlation | .768\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q2 | Pearson Correlation | .685\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q3 | Pearson Correlation | .538\*\* |
| Sig. (2-tailed) | .001 |
| N | 33 |
| q4 | Pearson Correlation | .859\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q5 | Pearson Correlation | .581\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q6 | Pearson Correlation | .505\*\* |
| Sig. (2-tailed) | .003 |
| N | 33 |
| q7 | Pearson Correlation | .454\*\* |
| Sig. (2-tailed) | .008 |
| N | 33 |
| q8 | Pearson Correlation | .704\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q9 | Pearson Correlation | .839\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q10 | Pearson Correlation | .882\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q11 | Pearson Correlation | .566\*\* |
| Sig. (2-tailed) | .001 |
| N | 33 |
| q12 | Pearson Correlation | .617\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |

|  |  |  |
| --- | --- | --- |
| q13 | Pearson Correlation | .534\*\* |
| Sig. (2-tailed) | .001 |
| N | 33 |
| q14 | Pearson Correlation | .757\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q15 | Pearson Correlation | .797\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q16 | Pearson Correlation | .671\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q17 | Pearson Correlation | .546\*\* |
| Sig. (2-tailed) | .001 |
| N | 33 |
| q18 | Pearson Correlation | .591\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q19 | Pearson Correlation | .526\*\* |
| Sig. (2-tailed) | .002 |
| N | 33 |
| q20 | Pearson Correlation | .549\*\* |
| Sig. (2-tailed) | .001 |
| N | 33 |
| q21 | Pearson Correlation | .582\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q22 | Pearson Correlation | .647\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| q23 | Pearson Correlation | .571\*\* |
| Sig. (2-tailed) | .001 |
| N | 33 |
| q24 | Pearson Correlation | .516\*\* |
| Sig. (2-tailed) | .002 |
| N | 33 |
| q25 | Pearson Correlation | .824\*\* |
| Sig. (2-tailed) | .000 |
| N | 33 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). | | |

APPENDIX 3.3.

**INSTRUMENT’S RELIABILITY TESTING**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
|  | | N | % |
| Cases | Valid | 33 | 100.0 |
| Excludeda | 0 | .0 |
| Total | 33 | 100.0 |
| a. Listwise deletion based on all variables in the procedure. | | | |

|  |  |
| --- | --- |
| **Reliability Statistics** | |
| Cronbach's Alpha | N of Items |
| .939 | 25 |

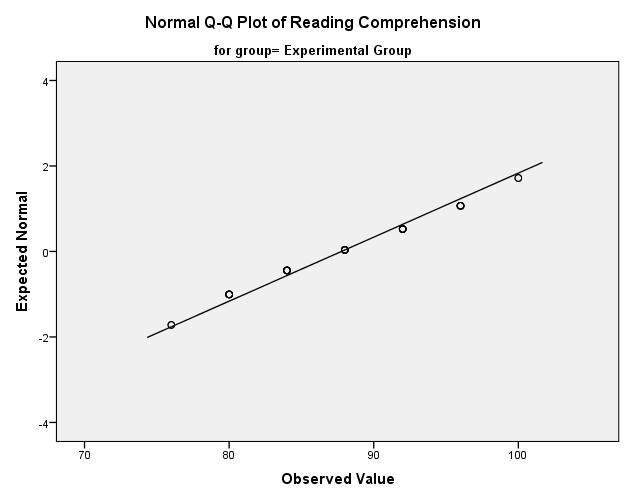
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item-Total Statistics** | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
| q1 | 18.70 | 39.718 | .749 | .935 |
| q2 | 18.73 | 39.705 | .657 | .936 |
| q3 | 18.85 | 39.695 | .488 | .938 |
| q4 | 18.73 | 38.955 | .845 | .934 |
| q5 | 18.97 | 39.093 | .528 | .938 |
| q6 | 18.85 | 39.883 | .452 | .938 |
| q7 | 18.73 | 40.705 | .412 | .939 |
| q8 | 18.88 | 38.610 | .666 | .935 |
| q9 | 18.79 | 38.422 | .820 | .934 |
| q10 | 18.76 | 38.502 | .868 | .933 |
| q11 | 18.76 | 40.002 | .526 | .937 |
| q12 | 18.94 | 38.934 | .568 | .937 |
| q13 | 18.79 | 39.985 | .489 | .938 |
| q14 | 18.88 | 38.297 | .725 | .935 |
| q15 | 18.97 | 37.718 | .767 | .934 |
| q16 | 18.73 | 39.767 | .642 | .936 |

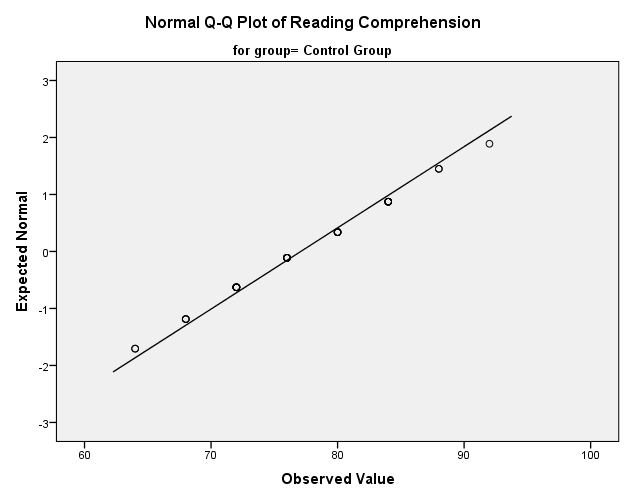
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| q17 | 18.79 | 39.922 | .502 | .938 |
| q18 | 18.82 | 39.528 | .547 | .937 |
| q19 | 18.73 | 40.392 | .488 | .938 |
| q20 | 18.85 | 39.633 | .499 | .938 |
| q21 | 18.85 | 39.445 | .535 | .937 |
| q22 | 18.94 | 38.746 | .601 | .936 |
| q23 | 18.85 | 39.508 | .523 | .937 |
| q24 | 18.85 | 39.820 | .464 | .938 |
| q25 | 18.85 | 38.070 | .801 | .933 |

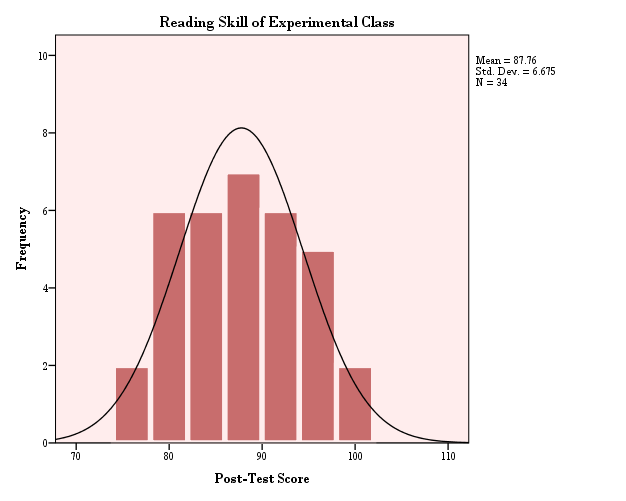
APPENDIX 3.4.

**INSTRUMENT’S NORMALITY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Tests of Normality** | | | | | |
|  | Class | Kolmogorov-Smirnova | | |
|  | Statistic | df | Sig. |
| Reading Comprehension | Experimental Group | .125 | 34 | .194 |
| Control Group | .129 | 33 | .174 |
| a. Lilliefors Significance Correction | | | | | |







APPENDIX 3.5.

**INSTRUMENT’S HOMOGENEITY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test of Homogeneity of Variances** | | | |
| Reading Comprehension | | | |
| Levene Statistic | df1 | df2 | Sig. |
| .138 | 1 | 65 | .711 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ANOVA** | | | | | |
| Reading Comprehension | | | | | |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 1907.901 | 1 | 1907.901 | 40.702 | .000 |
| Within Groups | 3046.845 | 65 | 46.875 |  |  |
| Total | 4954.746 | 66 |  |  |  |

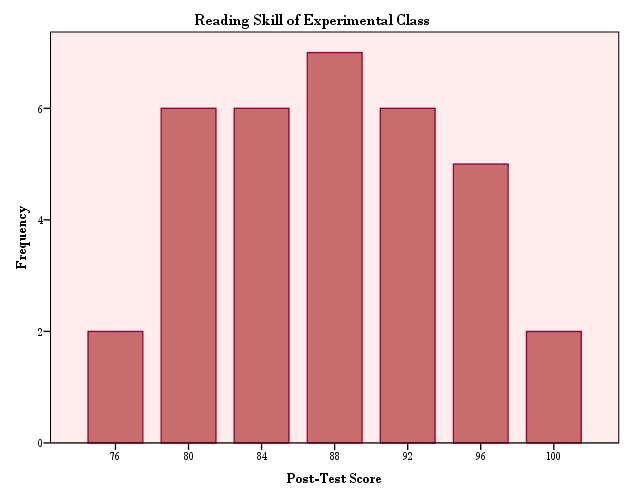
APPENDIX 3.6

**DESCRIPTIVE STATISTIC**

1. **EXPERIMENTAL CLASS**

|  |  |  |
| --- | --- | --- |
| **Statistics** | | |
| Experimental\_Class | | |
| N | Valid | 34 |
| Missing | 0 |
| Mean | | 87.76 |
| Std. Error of Mean | | 1.145 |
| Median | | 88.00 |
| Mode | | 88 |
| Std. Deviation | | 6.675 |
| Variance | | 44.549 |
| Range | | 24 |
| Minimum | | 76 |
| Maximum | | 100 |
| Sum | | 2984 |
| Percentiles | 30 | 84.00 |
| 60 | 88.00 |

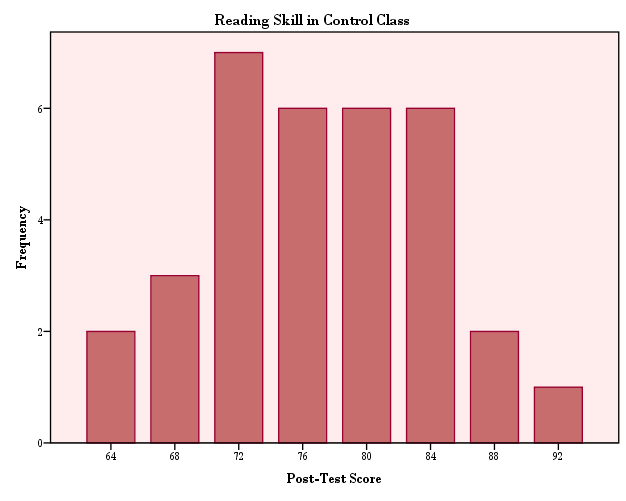
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Experimental\_Class** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 76 | 2 | 5.9 | 5.9 | 5.9 |
| 80 | 6 | 17.6 | 17.6 | 23.5 |
| 84 | 6 | 17.6 | 17.6 | 41.2 |
| 88 | 7 | 20.6 | 20.6 | 61.8 |
| 92 | 6 | 17.6 | 17.6 | 79.4 |
| 96 | 5 | 14.7 | 14.7 | 94.1 |
| 100 | 2 | 5.9 | 5.9 | 100.0 |
| Total | 34 | 100.0 | 100.0 |  |



1. **CONTROL CLASS**

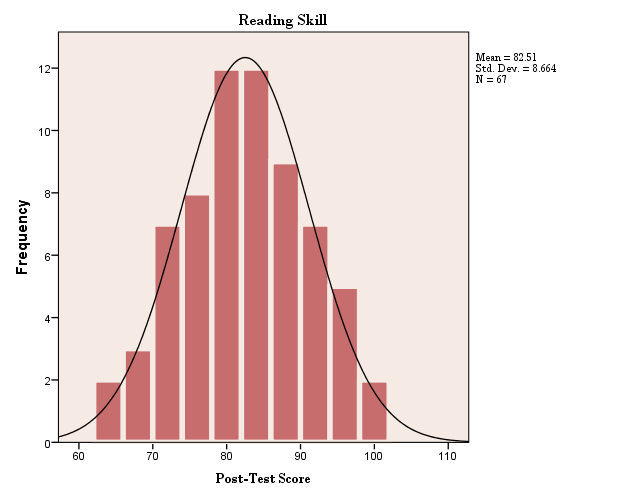
|  |  |  |
| --- | --- | --- |
| **Statistics** | | |
| Control\_Class | | |
| N | Valid | 33 |
| Missing | 0 |
| Mean | | 77.09 |
| Std. Error of Mean | | 1.222 |
| Median | | 76.00 |
| Mode | | 72 |
| Std. Deviation | | 7.019 |
| Variance | | 49.273 |
| Range | | 28 |
| Minimum | | 64 |
| Maximum | | 92 |
| Sum | | 2544 |
| Percentiles | 30 | 72.00 |
| 60 | 80.00 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Control\_Class** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 64 | 2 | 6.1 | 6.1 | 6.1 |
| 68 | 3 | 9.1 | 9.1 | 15.2 |
| 72 | 7 | 21.2 | 21.2 | 36.4 |
| 76 | 6 | 18.2 | 18.2 | 54.5 |
| 80 | 6 | 18.2 | 18.2 | 72.7 |
| 84 | 6 | 18.2 | 18.2 | 90.9 |
| 88 | 2 | 6.1 | 6.1 | 97.0 |
| 92 | 1 | 3.0 | 3.0 | 100.0 |
| Total | 33 | 100.0 | 100.0 |  |



1. **FREQUENCIES**

|  |  |  |  |
| --- | --- | --- | --- |
| **Statistics** | | | |
|  | | Experimental | Control |
| N | Valid | 34 | 33 |
| Missing | 0 | 1 |
| Mean | | 87.76 | 77.09 |
| Std. Error of Mean | | 1.145 | 1.222 |
| Median | | 88.00 | 76.00 |
| Mode | | 88 | 72 |
| Std. Deviation | | 6.675 | 7.019 |
| Variance | | 44.549 | 49.273 |
| Range | | 24 | 28 |
| Minimum | | 76 | 64 |
| Maximum | | 100 | 92 |
| Sum | | 2984 | 2544 |
| Percentiles | 30 | 84.00 | 72.00 |
| 60 | 88.00 | 80.00 |



APPENDIX 3.6.

**INDEPENDENT T-TEST**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group Statistics** | | | | | |
|  | Class | N | Mean | Std. Deviation | Std. Error Mean |
| Reading Comprehension | Experimental Group | 34 | 87.76 | 6.675 | 1.145 |
| Control Group | 33 | 77.09 | 7.019 | 1.222 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Independent Samples Test** | | | | | | | | | |
|  | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
| F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference | |
| Lower | Upper |
| Equal variances assumed | .138 | .711 | 6.380 | 65 | .000 | 10.674 | 1.673 | 7.332 | 14.015 |
| Equal variances not assumed |  |  | 6.375 | 64.580 | .000 | 10.674 | 1.674 | 7.330 | 14.018 |