**T-Test**

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| **Notes** |  |  |
| Output Created |  | 30-NOV-2024 17:15:50 |
| Comments |  |  |
| Input | Data | C:\Users\bhuvansh\Desktop\cleaned\_data.csv |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 27 |
| 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=Cult\_Back(1 0) /MISSING=ANALYSIS /VARIABLES=Culture\_Connect /ES DISPLAY(TRUE) /CRITERIA=CI(.95). |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.01 |

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| **Group Statistics** |  |  |  |  |  |
|  | Cult\_Back | N | Mean | Std. Deviation | Std. Error Mean |
| Culture\_Connect | 1 | 23 | 3.83 | 1.370 | .286 |
| 0 | 4 | 1.50 | .577 | .289 |

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| **Independent Samples Test** |  |  |  |  |  |
|  |  | Levene's Test for Equality of Variances |  | t-test for Equality of Means |  |
|  | F | Sig. | t | df |
|  |
| Culture\_Connect | Equal variances assumed | 2.219 | .149 | 3.301 | 25 |
| Equal variances not assumed |  |  | 5.727 | 10.396 |

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| **Independent Samples Test** |  |  |  |  |
|  |  | t-test for Equality of Means |  |  |
|  | Significance |  | Mean Difference |
|  | One-Sided p | Two-Sided p |
| Culture\_Connect | Equal variances assumed | .001 | .003 | 2.326 |
| Equal variances not assumed | <.001 | <.001 | 2.326 |

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| **Independent Samples Test** |  |  |  |  |
|  |  | t-test for Equality of Means |  |  |
|  | Std. Error Difference | 95% Confidence Interval of the Difference |  |
|  | Lower | Upper |
| Culture\_Connect | Equal variances assumed | .705 | .875 | 3.777 |
| Equal variances not assumed | .406 | 1.426 | 3.226 |

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| **Independent Samples Effect Sizes** |  |  |  |  |  |
|  |  | Standardizera | Point Estimate | 95% Confidence Interval |  |
|  | Lower | Upper |
| Culture\_Connect | Cohen's d | 1.301 | 1.788 | .603 | 2.944 |
| Hedges' correction | 1.342 | 1.734 | .584 | 2.855 |
| Glass's delta | .577 | 4.029 | .844 | 7.261 |

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