

T-Test

[DataSet2]

Group Statistics

| | GROUPS | N | Mean | Std. Deviation | Std. Error Mean |
|----------|---------|---|---------|----------------|-----------------|
| ACCURACY | PCA | 5 | 99.1060 | .25235 | .11285 |
| | R_152V2 | 5 | 97.2700 | 1.43073 | .63984 |

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|----------|-----------------------------|---|------|------------------------------|-------|
| | | F | Sig. | t | df |
| ACCURACY | Equal variances assumed | 8.482 | .020 | 2.826 | 8 |
| | Equal variances not assumed | | | 2.826 | 4.249 |

Independent Samples Test

| | | t-test for Equality of Means | | |
|----------|-----------------------------|------------------------------|-------------|-----------------|
| | | Significance | | Mean Difference |
| | | One-Sided p | Two-Sided p | |
| ACCURACY | Equal variances assumed | .011 | .022 | 1.83600 |
| | Equal variances not assumed | .022 | .044 | 1.83600 |

Independent Samples Test

| | | t-test for Equality of Means | | |
|----------|--------------------------------|------------------------------|--|---------|
| | | Std. Error Difference | 95% Confidence Interval of the Difference | |
| | | | Lower | Upper |
| ACCURACY | Equal variances assumed | .64972 | .33774 | 3.33426 |
| | Equal variances not assumed | .64972 | .07297 | 3.59903 |

Independent Samples Effect Sizes

| | | Standardizer ^a | Point Estimate | 95% Confidence Interval | |
|----------|--------------------|---------------------------|----------------|-------------------------|-------|
| | | | | Lower | Upper |
| ACCURACY | Cohen's d | 1.02730 | 1.787 | .242 | 3.260 |
| | Hedges' correction | 1.13802 | 1.613 | .218 | 2.943 |
| | Glass's delta | 1.43073 | 1.283 | -.274 | 2.741 |

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.

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