|  |  |
| --- | --- |
| **Within-Subjects Factors** | |
| Measure: MEASURE\_1 | |
| TrainingDay | Dependent Variable |
| 1 | Day1.1 |
| 2 | Day1.2 |
| 3 | Day2.1 |
| 4 | Day2.2 |
| 5 | Day3.1 |
| 6 | Day3.2 |
| 7 | Day4.1 |
| 8 | Day4.2 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Between-Subjects Factors** | | | |
|  | | Value Label | N |
| Group | 1.00 | RedGroup | 10 |
| 2.00 | GreenGroup | 9 |
| 3.00 | CTRL | 10 |
| 4.00 | SmallReds | 6 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Testsa** | | | | | | | |
| Effect | | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |
| TrainingDay | Pillai's Trace | .908 | 35.100b | 7.000 | 25.000 | .000 | .908 |
| Wilks' Lambda | .092 | 35.100b | 7.000 | 25.000 | .000 | .908 |
| Hotelling's Trace | 9.828 | 35.100b | 7.000 | 25.000 | .000 | .908 |
| Roy's Largest Root | 9.828 | 35.100b | 7.000 | 25.000 | .000 | .908 |
| TrainingDay \* Group | Pillai's Trace | 2.079 | 8.708 | 21.000 | 81.000 | .000 | .693 |
| Wilks' Lambda | .009 | 14.033 | 21.000 | 72.337 | .000 | .789 |
| Hotelling's Trace | 19.929 | 22.460 | 21.000 | 71.000 | .000 | .869 |
| Roy's Largest Root | 16.771 | 64.689c | 7.000 | 27.000 | .000 | .944 |
| a. Design: Intercept + Group  Within Subjects Design: TrainingDay | | | | | | | |
| b. Exact statistic | | | | | | | |
| c. The statistic is an upper bound on F that yields a lower bound on the significance level. | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mauchly's Test of Sphericitya** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb | | |
| Greenhouse-Geisser | Huynh-Feldt | Lower-bound |
| TrainingDay | .000 | 374.099 | 27 | .000 | .317 | .376 | .143 |
| Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix. | | | | | | | |
| a. Design: Intercept + Group  Within Subjects Design: TrainingDay | | | | | | | |
| b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table. | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Effects** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Source | | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
| TrainingDay | Sphericity Assumed | 64654.217 | 7 | 9236.317 | 15.642 | .000 | .335 |
| Greenhouse-Geisser | 64654.217 | 2.219 | 29135.945 | 15.642 | .000 | .335 |
| Huynh-Feldt | 64654.217 | 2.629 | 24592.131 | 15.642 | .000 | .335 |
| Lower-bound | 64654.217 | 1.000 | 64654.217 | 15.642 | .000 | .335 |
| TrainingDay \* Group | Sphericity Assumed | 74887.553 | 21 | 3566.074 | 6.039 | .000 | .369 |
| Greenhouse-Geisser | 74887.553 | 6.657 | 11249.174 | 6.039 | .000 | .369 |
| Huynh-Feldt | 74887.553 | 7.887 | 9494.841 | 6.039 | .000 | .369 |
| Lower-bound | 74887.553 | 3.000 | 24962.518 | 6.039 | .002 | .369 |
| Error(TrainingDay) | Sphericity Assumed | 128136.628 | 217 | 590.491 |  |  |  |
| Greenhouse-Geisser | 128136.628 | 68.791 | 1862.704 |  |  |  |
| Huynh-Feldt | 128136.628 | 81.501 | 1572.211 |  |  |  |
| Lower-bound | 128136.628 | 31.000 | 4133.440 |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Contrasts** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Source | TrainingDay | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
| TrainingDay | Linear | 37659.159 | 1 | 37659.159 | 24.473 | .000 | .441 |
| Quadratic | 1274.402 | 1 | 1274.402 | 3.387 | .075 | .098 |
| Cubic | 18862.337 | 1 | 18862.337 | 39.490 | .000 | .560 |
| Order 4 | 4177.407 | 1 | 4177.407 | 21.511 | .000 | .410 |
| Order 5 | 611.012 | 1 | 611.012 | .696 | .411 | .022 |
| Order 6 | 211.737 | 1 | 211.737 | .694 | .411 | .022 |
| Order 7 | 1858.162 | 1 | 1858.162 | 5.115 | .031 | .142 |
| TrainingDay \* Group | Linear | 15634.927 | 3 | 5211.642 | 3.387 | .030 | .247 |
| Quadratic | 1971.125 | 3 | 657.042 | 1.746 | .178 | .145 |
| Cubic | 18879.783 | 3 | 6293.261 | 13.176 | .000 | .560 |
| Order 4 | 19367.267 | 3 | 6455.756 | 33.243 | .000 | .763 |
| Order 5 | 15508.364 | 3 | 5169.455 | 5.888 | .003 | .363 |
| Order 6 | 2673.136 | 3 | 891.045 | 2.919 | .050 | .220 |
| Order 7 | 852.950 | 3 | 284.317 | .783 | .513 | .070 |
| Error(TrainingDay) | Linear | 47703.889 | 31 | 1538.835 |  |  |  |
| Quadratic | 11663.792 | 31 | 376.251 |  |  |  |
| Cubic | 14807.108 | 31 | 477.649 |  |  |  |
| Order 4 | 6020.137 | 31 | 194.198 |  |  |  |
| Order 5 | 27217.967 | 31 | 877.999 |  |  |  |
| Order 6 | 9463.146 | 31 | 305.263 |  |  |  |
| Order 7 | 11260.589 | 31 | 363.245 |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Tests of Between-Subjects Effects** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| Transformed Variable: Average | | | | | | |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
| Intercept | 162930.295 | 1 | 162930.295 | 46.019 | .000 | .598 |
| Group | 14749.229 | 3 | 4916.410 | 1.389 | .265 | .118 |
| Error | 109755.549 | 31 | 3540.502 |  |  |  |

**Post Hoc Tests**

**Group**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Multiple Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| LSD | | | | | | |
| (I) Group | (J) Group | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| RedGroup | GreenGroup | -10.4354 | 9.66591 | .289 | -30.1492 | 9.2784 |
| CTRL | 5.3263 | 9.40811 | .575 | -13.8617 | 24.5142 |
| SmallReds | -12.7205 | 10.86355 | .251 | -34.8768 | 9.4359 |
| GreenGroup | RedGroup | 10.4354 | 9.66591 | .289 | -9.2784 | 30.1492 |
| CTRL | 15.7616 | 9.66591 | .113 | -3.9521 | 35.4754 |
| SmallReds | -2.2851 | 11.08756 | .838 | -24.8983 | 20.3282 |
| CTRL | RedGroup | -5.3263 | 9.40811 | .575 | -24.5142 | 13.8617 |
| GreenGroup | -15.7616 | 9.66591 | .113 | -35.4754 | 3.9521 |
| SmallReds | -18.0467 | 10.86355 | .107 | -40.2031 | 4.1096 |
| SmallReds | RedGroup | 12.7205 | 10.86355 | .251 | -9.4359 | 34.8768 |
| GreenGroup | 2.2851 | 11.08756 | .838 | -20.3282 | 24.8983 |
| CTRL | 18.0467 | 10.86355 | .107 | -4.1096 | 40.2031 |
| Based on observed means.  The error term is Mean Square(Error) = 442.563. | | | | | | |

