

Summary of parametric statistics analysis for Pressure/Tension score in the pilot study for students with effective participation

Table 1: Summary of two-way ANOVA results for Pressure/Tension score in the pilot study for students with effective participation

| | Sum Sq | Df | F value | Pr(>F) | Sig |
|------------------|---------|----|---------|--------|-----|
| Type.(Intercept) | 160.823 | 1 | 126.884 | 0.000 | |
| Type.Type | 3.790 | 1 | 2.990 | 0.102 | |
| Type.CLRole | 0.000 | 1 | 0.000 | 0.996 | |
| Type.Type:CLRole | 0.000 | 1 | 0.000 | 0.996 | |
| Type.Residuals | 21.547 | 17 | | | |

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for Pressure/Tension score in the pilot study for students with effective participation

| | N | mean | lsmean | SE | df | lwr.CI | upr.CI | t.ratio | p.value | p.adj | g | sig | mag |
|--|----|-------|--------|-------|----|--------|--------|---------|---------|-------|-------|-----|-----|
| Type.non-gamified | 7 | 3.746 | 3.747 | 0.471 | 17 | 2.754 | 4.741 | | | | | | |
| Type.ont-gamified | 14 | 2.750 | 2.750 | 0.333 | 17 | 2.047 | 3.453 | | | | | | |
| Type.non-gamified - ont-gamified | 21 | 0.996 | 0.997 | 0.577 | | -0.103 | 2.096 | 1.729 | 0.102 | 0.073 | 0.898 | | |
| Type.non-gamified.Apprentice | 5 | 3.745 | 3.745 | 0.503 | 17 | 2.683 | 4.807 | | | | | | |
| Type.ont-gamified.Apprentice | 10 | 2.750 | 2.750 | 0.356 | 17 | 1.999 | 3.501 | | | | | | |
| Type.non-gamified.Apprentice - ont-gamified.Apprentice | 15 | 0.995 | 0.995 | 0.617 | | -0.758 | 2.748 | 1.613 | 0.125 | 0.398 | 0.779 | | |
| Type.non-gamified.Master | 2 | 3.750 | 3.750 | 0.796 | 17 | 2.070 | 5.430 | | | | | | |
| Type.ont-gamified.Master | 4 | 2.750 | 2.750 | 0.563 | 17 | 1.562 | 3.938 | | | | | | |
| Type.non-gamified.Master - ont-gamified.Master | 6 | 1.000 | 1.000 | 0.975 | | -1.771 | 3.771 | 1.026 | 0.319 | 0.737 | 0.965 | | |