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

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

|                   | Sum Sq  | Df | F value | Pr(>F) | Sig |
|-------------------|---------|----|---------|--------|-----|
| Type.(Intercept)  | 102.718 | 1  | 402.928 | 0.000  |     |
| Type.Type         | 0.701   | 1  | 2.752   | 0.105  |     |
| Type.CLRole       | 0.066   | 1  | 0.258   | 0.614  |     |
| Type.Type:CLRole  | 1.940   | 1  | 7.609   | 0.009  | **  |
| Type.Residuals    | 10.197  | 40 |         |        |     |

Signif. codes: 0 "**" 0.01 "*" 0.05

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

| | N | mean | lsmean | SE | df | lwr.CI | upr.CI | t.ratio | p.value | p.ajd | g | sig | mag |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Type.non-gamified | 19 | 1.681 | 1.672 | 0.116 | 40 | 1.437 | 1.906 | | | | | | |
| Type.ont-gamified | 25 | 1.427 | 1.416 | 0.101 | 40 | 1.212 | 1.621 | | | | | | |
| Type.non-gamified - ont-gamified | 44 | 0.254 | 0.255 | 0.154 | | −0.056 | 0.565 | 1.659 | 0.105 | 0.106 | 0.461 | | |
| Type.non-gamified.Apprentice | 10 | 1.845 | 1.845 | 0.160 | 40 | 1.522 | 2.167 | | | | | | |
| Type.ont-gamified.Apprentice | 12 | 1.165 | 1.165 | 0.146 | 40 | 0.871 | 1.460 | | | | | | |
| Type.non-gamified.Apprentice - ont-gamified.Apprentice | 22 | 0.680 | 0.680 | 0.216 | | 0.100 | 1.259 | 3.143 | 0.003 | 0.016 | 1.236 | * | large |
| Type.non-gamified.Master | 9 | 1.499 | 1.499 | 0.168 | 40 | 1.158 | 1.839 | | | | | | |
| Type.ont-gamified.Master | 13 | 1.668 | 1.668 | 0.140 | 40 | 1.385 | 1.951 | | | | | | |
| Type.non-gamified.Master - ont-gamified.Master | 22 | −0.169 | −0.169 | 0.219 | | −0.756 | 0.418 | −0.773 | 0.444 | 0.866 | −0.339 | | |