# Summary of parametric statistics analysis for the latent trait estimates of Level of Motivation in the third study for students with effective participation

October 1, 2018

Table 1: Summary of two-way ANOVA results for the latent trait estimates of Level of Motivation in the third study for students with effective participation

|  | Sum Sq | Df | F value | Pr(>F) | Sig |
|---|---|---|---|---|---|
| Type.(Intercept) | 0.393 | 1 | 1.132 | 0.294 | |
| Type.Type | 0.001 | 1 | 0.004 | 0.951 | |
| Type.CLRole | 0.002 | 1 | 0.007 | 0.934 | |
| Type.Type:CLRole | 0.130 | 1 | 0.376 | 0.543 | |
| Type.Residuals | 13.527 | 39 | | | |

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

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Level of Motivation in the third 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.ont-gamified | 24 | 0.091 | 0.108 | 0.124 | 39 | −0.144 | 0.359 | | | | | | |
| Type.w/o-gamified | 19 | 0.114 | 0.096 | 0.145 | 39 | −0.198 | 0.390 | | | | | | |
| Type.ont-gamified - w/o-gamified | 43 | −0.024 | 0.012 | 0.191 | | −0.389 | 0.342 | 0.062 | 0.951 | 0.897 | −0.040 | | |
| Type.ont-gamified.Apprentice | 15 | 0.041 | 0.041 | 0.152 | 39 | −0.267 | 0.349 | | | | | | |
| Type.w/o-gamified.Apprentice | 13 | 0.146 | 0.146 | 0.163 | 39 | −0.184 | 0.477 | | | | | | |
| Type.ont-gamified.Apprentice - w/o-gamified.Apprentice | 28 | −0.105 | −0.105 | 0.223 | | −0.704 | 0.493 | −0.472 | 0.639 | 0.965 | −0.164 | | |
| Type.ont-gamified.Master | 9 | 0.174 | 0.174 | 0.196 | 39 | −0.223 | 0.571 | | | | | | |
| Type.w/o-gamified.Master | 6 | 0.045 | 0.045 | 0.240 | 39 | −0.441 | 0.531 | | | | | | |
| Type.ont-gamified.Master - w/o-gamified.Master | 15 | 0.129 | 0.129 | 0.310 | | −0.704 | 0.962 | 0.416 | 0.680 | 0.975 | 0.238 | | |