# Summary of parametric statistics analysis for the latent trait estimates of Relevance in the second study for students with effective participation

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

|  | Sum Sq | Df | F value | Pr(>F) | Sig |
|---|---|---|---|---|---|
| Type.(Intercept) | 0.118 | 1 | 0.240 | 0.627 |  |
| Type.Type | 0.055 | 1 | 0.111 | 0.740 |  |
| Type.CLRole | 0.007 | 1 | 0.013 | 0.908 |  |
| Type.Type:CLRole | 0.016 | 1 | 0.033 | 0.857 |  |
| Type.Residuals | 23.041 | 47 |  |  |  |

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

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Relevance in the second 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 | 30 | 0.008 | 0.016 | 0.133 | 47 | −0.251 | 0.283 | | | | | | |
| Type.ont-gamified | 21 | 0.086 | 0.085 | 0.157 | 47 | −0.232 | 0.401 | | | | | | |
| Type.non-gamified - ont-gamified | 51 | −0.078 | −0.069 | 0.206 | | −0.479 | 0.322 | −0.334 | 0.740 | 0.696 | −0.113 | | |
| Type.non-gamified.Apprentice | 19 | −0.015 | −0.015 | 0.161 | 47 | −0.338 | 0.309 | | | | | | |
| Type.ont-gamified.Apprentice | 13 | 0.091 | 0.091 | 0.194 | 47 | −0.299 | 0.482 | | | | | | |
| Type.non-gamified.Apprentice - ont-gamified.Apprentice | 32 | −0.106 | −0.106 | 0.252 | | −0.777 | 0.565 | −0.420 | 0.676 | 0.975 | −0.129 | | |
| Type.non-gamified.Master | 11 | 0.047 | 0.047 | 0.211 | 47 | −0.378 | 0.471 | | | | | | |
| Type.ont-gamified.Master | 8 | 0.078 | 0.078 | 0.248 | 47 | −0.420 | 0.576 | | | | | | |
| Type.non-gamified.Master - ont-gamified.Master | 19 | −0.031 | −0.031 | 0.325 | | −0.898 | 0.835 | −0.096 | 0.924 | 1.000 | −0.064 | | |