

1 Summaries of Parametric Statistics Analysis for the latent trait estimates of Effort/Importance in the third empirical study

Table 1: Summary of two-way ANOVA results for the latent trait estimates of Effort/Importance in the third empirical study

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.331	1	0.328	0.570	
Type.Type	7.319	1	7.258	0.010	**
Type.CLRole	1.290	1	1.279	0.264	
Type.Type:CLRole	0.022	1	0.022	0.883	
Type.Residuals	47.391	47			

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Effort/Importance in the third empirical study

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.adj	g	sig	mag
Type.ont-gamified	24	0.365	0.318	0.212	47	-0.108	0.743						
Type.w/o-gamified	27	-0.429	-0.489	0.212	47	-0.915	-0.063						
Type.ont-gamified - w/o-gamified	51	0.794	0.806	0.299		0.228	1.361	2.694	0.010	0.007	0.785	**	mediu
Type.ont-gamified.Apprentice	15	0.509	0.509	0.259	47	-0.013	1.031						
Type.w/o-gamified.Apprentice	19	-0.342	-0.342	0.230	47	-0.805	0.122						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	34	0.851	0.851	0.347		-0.073	1.775	2.453	0.018	0.081	0.835		
Type.ont-gamified.Master	9	0.126	0.126	0.335	47	-0.547	0.799						
Type.w/o-gamified.Master	8	-0.636	-0.636	0.355	47	-1.350	0.078						
Type.ont-gamified.Master - w/o-gamified.Master	17	0.762	0.762	0.488		-0.538	2.062	1.562	0.125	0.410	0.707		

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05