

Summary of parametric statistics analysis for the latent trait estimates of Interest/Enjoyment in the third study for students with effective participation

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	3.369	1	3.153	0.084	
Type.Type	0.123	1	0.115	0.736	
Type.CLRole	1.028	1	0.962	0.333	
Type.Type:CLRole	3.593	1	3.363	0.074	
Type.Residuals	41.669	39			

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Interest/Enjoyment in the third 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.ont-gamified	24	0.237	0.355	0.218	39	−0.086	0.796						
Type.w/o-gamified	19	0.294	0.241	0.255	39	−0.275	0.757						
Type.ont-gamified - w/o-gamified	43	−0.057	0.114	0.335		−0.699	0.585	0.339	0.736	0.859	−0.052		
Type.ont-gamified.Apprentice	15	−0.117	−0.117	0.267	39	−0.657	0.422						
Type.w/o-gamified.Apprentice	13	0.384	0.384	0.287	39	−0.196	0.964						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	28	−0.501	−0.501	0.392		−1.552	0.550	−1.280	0.208	0.581	−0.462		
Type.ont-gamified.Master	9	0.827	0.827	0.345	39	0.130	1.524						
Type.w/o-gamified.Master	6	0.098	0.098	0.422	39	−0.756	0.951						
Type.ont-gamified.Master - w/o-gamified.Master	15	0.729	0.729	0.545		−0.733	2.191	1.338	0.189	0.545	0.693		