

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.373	1	0.909	0.346	
Type.Type	0.940	1	2.294	0.138	
Type.CLRole	0.226	1	0.551	0.462	
Type.Type:CLRole	1.928	1	4.705	0.036	*
Type.Residuals	15.981	39			

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 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	0.181	0.256	0.135	39	-0.017	0.529						
Type.w/o-gamified	19	-0.004	-0.058	0.158	39	-0.378	0.261						
Type.ont-gamified - w/o-gamified	43	0.184	0.315	0.208		-0.213	0.582	1.515	0.138	0.354	0.270		
Type.ont-gamified.Apprentice	15	-0.046	-0.046	0.165	39	-0.380	0.288						
Type.w/o-gamified.Apprentice	13	0.090	0.090	0.178	39	-0.269	0.449						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	28	-0.136	-0.136	0.243		-0.787	0.515	-0.561	0.578	0.943	-0.198		
Type.ont-gamified.Master	9	0.559	0.559	0.213	39	0.127	0.990						
Type.w/o-gamified.Master	6	-0.206	-0.206	0.261	39	-0.735	0.322						
Type.ont-gamified.Master - w/o-gamified.Master	15	0.765	0.765	0.337		-0.140	1.671	2.268	0.029	0.123	1.238		