

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.257	1	0.183	0.671	
Type.Type	0.246	1	0.175	0.678	
Type.CLRole	0.115	1	0.082	0.776	
Type.Type:CLRole	0.452	1	0.321	0.574	
Type.Residuals	54.859	39			

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Attention 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	-0.039	0.002	0.250	39	-0.504	0.507						
Type.w/o-gamified	19	0.183	0.163	0.293	39	-0.429	0.755						
Type.ont-gamified - w/o-gamified	43	-0.222	-0.161	0.385		-0.959	0.515	-0.418	0.678	0.546	-0.187		
Type.ont-gamified.Apprentice	15	-0.162	-0.162	0.306	39	-0.782	0.457						
Type.w/o-gamified.Apprentice	13	0.217	0.217	0.329	39	-0.449	0.882						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	28	-0.379	-0.379	0.449		-1.585	0.827	-0.844	0.404	0.833	-0.285		
Type.ont-gamified.Master	9	0.166	0.166	0.395	39	-0.634	0.965						
Type.w/o-gamified.Master	6	0.109	0.109	0.484	39	-0.871	1.088						
Type.ont-gamified.Master - w/o-gamified.Master	15	0.057	0.057	0.625		-1.620	1.734	0.091	0.928	1.000	0.057		