

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.991	1	0.673	0.423	
Type.Type	6.247	1	4.243	0.055	
Type.CLRole	0.873	1	0.593	0.452	
Type.Type:CLRole	0.782	1	0.531	0.476	
Type.Residuals	25.028	17			

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 pilot 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.non-gamified	7	-0.391	-0.385	0.508	17	-1.456	0.686						
Type.ont-gamified	14	0.696	0.895	0.359	17	0.138	1.653						
Type.non-gamified - ont-gamified	21	-1.086	-1.281	0.622		-2.271	0.099	-2.060	0.055	0.070	-0.867		
Type.non-gamified.Apprentice	5	-0.398	-0.398	0.543	17	-1.543	0.747						
Type.ont-gamified.Apprentice	10	0.429	0.429	0.384	17	-0.380	1.239						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	15	-0.828	-0.828	0.665		-2.717	1.062	-1.245	0.230	0.608	-0.650		
Type.non-gamified.Master	2	-0.372	-0.372	0.858	17	-2.182	1.438						
Type.ont-gamified.Master	4	1.361	1.361	0.607	17	0.081	2.641						
Type.non-gamified.Master - ont-gamified.Master	6	-1.734	-1.734	1.051		-4.721	1.253	-1.650	0.117	0.379	-1.100		