

Summary of parametric statistics analysis for Intrinsic Motivation score in the third study for students with effective participation

Table 1: Summary of two-way ANOVA results for Intrinsic Motivation score in the third study for students with effective participation

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	786.668	1	2303.392	0.000	
Type.Type	0.328	1	0.959	0.333	
Type.CLRole	0.793	1	2.323	0.136	
Type.Type:CLRole	1.070	1	3.133	0.085	
Type.Residuals	13.320	39			

Signif. codes: 0 “***” 0.01 “**” 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for Intrinsic Motivation score 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	4.566	4.645	0.123	39	4.395	4.894						
Type.w/o-gamified	19	4.467	4.459	0.144	39	4.167	4.750						
Type.ont-gamified - w/o-gamified	43	0.099	0.186	0.190		-0.264	0.462	0.979	0.333	0.584	0.158		
Type.ont-gamified.Apprentice	15	4.332	4.332	0.151	39	4.027	4.637						
Type.w/o-gamified.Apprentice	13	4.482	4.482	0.162	39	4.154	4.810						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	28	-0.150	-0.150	0.221		-0.744	0.444	-0.677	0.502	0.905	-0.277		
Type.ont-gamified.Master	9	4.957	4.957	0.195	39	4.563	5.351						
Type.w/o-gamified.Master	6	4.435	4.435	0.239	39	3.953	4.918						
Type.ont-gamified.Master - w/o-gamified.Master	15	0.522	0.522	0.308		-0.305	1.348	1.693	0.098	0.341	0.713		