

Summary of parametric statistics analysis for Attention score in the second study for signed-up students

Table 1: Summary of two-way ANOVA results for Attention score in the second study for signed-up students

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	833.895	1	519.022	0.000	
Type.Type	2.156	1	1.342	0.252	
Type.CLRole	0.066	1	0.041	0.840	
Type.Type:CLRole	1.648	1	1.026	0.316	
Type.Residuals	86.760	54			

Signif. codes: 0 “***” 0.01 “**” 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for Attention score in the second study for signed-up students

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.adj	g	sig	mag
Type.non-gamified	34	3.811	3.888	0.232	54	3.422	4.353						
Type.ont-gamified	24	4.353	4.304	0.274	54	3.754	4.854						
Type.non-gamified - ont-gamified	58	-0.542	-0.417	0.360		-1.220	0.135	-1.158	0.252	0.114	-0.425		
Type.non-gamified.Apprentice	23	3.669	3.669	0.264	54	3.139	4.199						
Type.ont-gamified.Apprentice	16	4.450	4.450	0.317	54	3.815	5.085						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	39	-0.781	-0.781	0.413		-1.875	0.313	-1.892	0.064	0.244	-0.609		
Type.non-gamified.Master	11	4.106	4.106	0.382	54	3.340	4.872						
Type.ont-gamified.Master	8	4.158	4.158	0.448	54	3.260	5.057						
Type.non-gamified.Master - ont-gamified.Master	19	-0.052	-0.052	0.589		-1.614	1.509	-0.089	0.929	1.000	-0.039		