

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

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	971.682	1	706.131	0.000	
Type.Type	0.802	1	0.582	0.449	
Type.CLRole	0.138	1	0.101	0.752	
Type.Type:CLRole	1.008	1	0.732	0.396	
Type.Residuals	74.308	54			

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for Level of Motivation 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	4.225	4.294	0.215	54	3.863	4.725						
Type.ont-gamified	24	4.578	4.548	0.254	54	4.039	5.058						
Type.non-gamified - ont-gamified	58	-0.353	-0.254	0.333		-0.980	0.274	-0.763	0.449	0.264	-0.299		
Type.non-gamified.Apprentice	23	4.099	4.099	0.245	54	3.609	4.590						
Type.ont-gamified.Apprentice	16	4.638	4.638	0.293	54	4.050	5.226						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	39	-0.539	-0.539	0.382		-1.551	0.474	-1.411	0.164	0.498	-0.447		
Type.non-gamified.Master	11	4.490	4.490	0.354	54	3.780	5.199						
Type.ont-gamified.Master	8	4.459	4.459	0.415	54	3.627	5.290						
Type.non-gamified.Master - ont-gamified.Master	19	0.031	0.031	0.545		-1.414	1.476	0.056	0.955	1.000	0.025		