

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

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	1205.347	1	807.220	0.000	
Type.Type	0.419	1	0.281	0.598	
Type.CLRole	1.148	1	0.769	0.384	
Type.Type:CLRole	0.185	1	0.124	0.726	
Type.Residuals	80.633	54			

Signif. codes: 0 “***” 0.01 “**” 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for Relevance 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	4.757	4.833	0.224	54	4.383	5.282						
Type.ont-gamified	24	4.986	5.016	0.265	54	4.486	5.547						
Type.non-gamified - ont-gamified	58	-0.228	-0.184	0.347		-0.882	0.425	-0.530	0.598	0.486	-0.186		
Type.non-gamified.Apprentice	23	4.620	4.620	0.255	54	4.109	5.130						
Type.ont-gamified.Apprentice	16	4.925	4.925	0.305	54	4.313	5.538						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	39	-0.306	-0.306	0.398		-1.360	0.749	-0.768	0.446	0.868	-0.224		
Type.non-gamified.Master	11	5.045	5.045	0.368	54	4.307	5.784						
Type.ont-gamified.Master	8	5.107	5.107	0.432	54	4.241	5.973						
Type.non-gamified.Master - ont-gamified.Master	19	-0.062	-0.062	0.568		-1.567	1.443	-0.109	0.914	1.000	-0.064		