

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

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	1027.186	1	1020.632	0.000	
Type.Type	3.909	1	3.884	0.055	
Type.CLRole	3.249	1	3.228	0.079	
Type.Type:CLRole	2.167	1	2.154	0.149	
Type.Residuals	47.302	47			

Signif. codes: 0 ‘\*\*\*’ 0.01 ‘\*\*’ 0.05

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

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.adj	g	sig	mag
Type.ont-gamified	24	4.949	5.071	0.211	47	4.646	5.497						
Type.w/o-gamified	27	4.462	4.482	0.211	47	4.057	4.907						
Type.ont-gamified - w/o-gamified	51	0.487	0.589	0.299		-0.079	1.054	1.971	0.055	0.090	0.463		
Type.ont-gamified.Apprentice	15	4.583	4.583	0.259	47	4.062	5.104						
Type.w/o-gamified.Apprentice	19	4.433	4.433	0.230	47	3.970	4.896						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	34	0.150	0.150	0.347		-0.772	1.073	0.434	0.666	0.972	0.136		
Type.ont-gamified.Master	9	5.559	5.559	0.334	47	4.887	6.232						
Type.w/o-gamified.Master	8	4.531	4.531	0.355	47	3.818	5.245						
Type.ont-gamified.Master - w/o-gamified.Master	17	1.028	1.028	0.487		-0.270	2.326	2.109	0.040	0.165	1.191		