Summary of parametric statistics analysis for the differences of scores in the pilot empirical study

Table 1: Summary of two-way ANOVA results for the differences of scores in the pilot empirical study

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	77.012	1	3.740	0.064	
Type.Type	53.583	1	2.602	0.119	
Type.CLRole	107.626	1	5.227	0.031	*
Type.Type:CLRole	0.410	1	0.020	0.889	
Type.Residuals	535.361	26			

Signif. codes: 0 "**" 0.01 "*" 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the differences of scores in the pilot empirical study

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.ajd	g	sig	mag
Type.non-gamified	14	4.579	3.403	1.478	26	0.365	6.441						
Type.ont-gamified	16	1.181	0.308	1.224	26	−2.208	2.823						
Type.non-gamified - ont-gamified	30	3.398	3.095	1.919		−0.016	6.811	1.613	0.119	0.051	0.686		
Type.non-gamified.Apprentice	11	5.461	5.461	1.368	26	2.649	8.273						
Type.ont-gamified.Apprentice	11	2.636	2.636	1.368	26	−0.176	5.449						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	22	2.825	2.825	1.935		−2.484	8.133	1.460	0.156	0.475	0.594		
Type.non-gamified.Master	3	1.345	1.345	2.620	26	−4.040	6.730						
Type.ont-gamified.Master	5	−2.021	−2.021	2.029	26	−6.192	2.150						
Type.non-gamified.Master - ont-gamified.Master	8	3.366	3.366	3.314		−5.725	12.457	1.016	0.319	0.742	0.663		