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)	100.970	1	55.132	0.000	
Type.Type	0.001	1	0.001	0.978	
Type.CLRole	45.375	1	24.776	0.000	**
Type.Type:CLRole	0.718	1	0.392	0.534	
Type.Residuals	97.066	53			

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	27	1.299	1.328	0.261	53	0.806	1.851						
Type.ont-gamified	30	1.338	1.338	0.247	53	0.843	1.834						
Type.non-gamified - ont-gamified	57	−0.039	−0.010	0.359		−0.759	0.681	−0.028	0.978	0.914	−0.024		
Type.non-gamified.Apprentice	13	2.110	2.110	0.375	53	1.357	2.862						
Type.ont-gamified.Apprentice	15	2.344	2.344	0.349	53	1.644	3.045						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	28	−0.235	−0.235	0.513		−1.595	1.125	−0.458	0.649	0.968	−0.147		
Type.non-gamified.Master	14	0.547	0.547	0.362	53	−0.178	1.272						
Type.ont-gamified.Master	15	0.332	0.332	0.349	53	−0.369	1.033						
Type.non-gamified.Master - ont-gamified.Master	29	0.215	0.215	0.503		−1.119	1.549	0.428	0.671	0.974	0.184		