

Summary of parametric statistics analysis for the differences of scores in the second empirical study for signed-up students

Table 1: Summary of two-way ANOVA results for the differences of scores in the second empirical study for signed-up students

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	86.838	1	24.758	0.000	
Type.Type	1.995	1	0.569	0.455	
Type.CLRole	14.418	1	4.111	0.049	*
Type.Type:CLRole	0.976	1	0.278	0.601	
Type.Residuals	154.327	44			

Signif. codes: 0 “***” 0.01 “*” 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the differences of scores in the second empirical 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	29	1.998	1.788	0.389	44	1.004	2.572						
Type.ont-gamified	19	1.695	1.317	0.488	44	0.334	2.300						
Type.non-gamified - ont-gamified	48	0.303	0.471	0.624		-0.811	1.417	0.754	0.455	0.587	0.155		
Type.non-gamified.Apprentice	21	2.256	2.256	0.409	44	1.432	3.079						
Type.ont-gamified.Apprentice	14	2.114	2.114	0.501	44	1.106	3.123						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	35	0.141	0.141	0.646		-1.584	1.867	0.219	0.828	0.996	0.071		
Type.non-gamified.Master	8	1.320	1.320	0.662	44	-0.015	2.654						
Type.ont-gamified.Master	5	0.520	0.520	0.838	44	-1.168	2.208						
Type.non-gamified.Master - ont-gamified.Master	13	0.800	0.800	1.068		-2.051	3.650	0.749	0.458	0.877	0.445		