

Summary of parametric statistics analysis for Effort/Importance score in the first study for signed-up students

Table 1: Summary of two-way ANOVA results for Effort/Importance score in the first study for signed-up students

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	1825.914	1	1836.826	0.000	
Type.Type	3.944	1	3.967	0.051	
Type.CLRole	1.849	1	1.860	0.178	
Type.Type:CLRole	1.411	1	1.419	0.239	
Type.Residuals	55.667	56			

Signif. codes: 0 “***” 0.01 “**” 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for Effort/Importance score in the first 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	30	5.244	5.266	0.182	56	4.901	5.631						
Type.ont-gamified	30	5.779	5.779	0.182	56	5.415	6.144						
Type.non-gamified - ont-gamified	60	-0.535	-0.513	0.258		-1.051	-0.020	-1.992	0.051	0.042	-0.524	*	medium
Type.non-gamified.Apprentice	14	5.595	5.595	0.266	56	5.061	6.129						
Type.ont-gamified.Apprentice	15	5.802	5.802	0.257	56	5.286	6.317						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	29	-0.206	-0.206	0.371		-1.187	0.775	-0.557	0.580	0.944	-0.206		
Type.non-gamified.Master	16	4.937	4.937	0.249	56	4.437	5.436						
Type.ont-gamified.Master	15	5.757	5.757	0.257	56	5.241	6.273						
Type.non-gamified.Master - ont-gamified.Master	31	-0.820	-0.820	0.358		-1.769	0.128	-2.289	0.026	0.113	-0.783		