

Summary of parametric statistics analysis for Level of Motivation score in the third study for signed-up students

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	800.449	1	998.943	0.000	
Type.Type	0.325	1	0.406	0.527	
Type.CLRole	0.368	1	0.460	0.501	
Type.Type:CLRole	0.273	1	0.341	0.562	
Type.Residuals	37.661	47			

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for Level
of Motivation 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	4.260	4.302	0.189	47	3.922	4.681						
Type.w/o-gamified	27	4.127	4.132	0.189	47	3.752	4.511						
Type.ont-gamified - w/o-gamified	51	0.133	0.170	0.267		-0.372	0.638	0.637	0.527	0.599	0.148		
Type.ont-gamified.Apprentice	15	4.133	4.133	0.231	47	3.668	4.598						
Type.w/o-gamified.Apprentice	19	4.119	4.119	0.205	47	3.706	4.532						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	34	0.014	0.014	0.309		-0.809	0.838	0.046	0.963	1.000	0.014		
Type.ont-gamified.Master	9	4.470	4.470	0.298	47	3.870	5.070						
Type.w/o-gamified.Master	8	4.144	4.144	0.316	47	3.508	4.781						
Type.ont-gamified.Master - w/o-gamified.Master	17	0.326	0.326	0.435		-0.833	1.484	0.749	0.457	0.877	0.428		