

1 Summaries of Parametric Statistics Analysis for the latent trait estimates of Effort/Importance in the pilot study

Table 1: Summary of two-way ANOVA results for the latent trait estimates of Effort/Importance in the pilot study

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.010	1	0.019	0.892	
Type.Type	0.335	1	0.645	0.429	
Type.CLRole	0.068	1	0.130	0.721	
Type.Type:CLRole	0.273	1	0.525	0.475	
Type.Residuals	13.516	26			

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Effort/Importance in the pilot study

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.adj	g	sig	mag
Type.non-gamified	14	0.028	0.162	0.275	26	-0.404	0.728						
Type.ont-gamified	16	-0.084	-0.115	0.208	26	-0.543	0.313						
Type.non-gamified - ont-gamified	30	0.112	0.277	0.345		-0.430	0.654	0.803	0.429	0.674	0.155		
Type.non-gamified.Apprentice	12	-0.025	-0.025	0.208	26	-0.453	0.403						
Type.ont-gamified.Apprentice	12	-0.052	-0.052	0.208	26	-0.480	0.376						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	24	0.027	0.027	0.294		-0.780	0.835	0.092	0.927	1.000	0.037		
Type.non-gamified.Master	2	0.349	0.349	0.510	26	-0.699	1.397						
Type.ont-gamified.Master	4	-0.178	-0.178	0.361	26	-0.919	0.563						
Type.non-gamified.Master - ont-gamified.Master	6	0.527	0.527	0.624		-1.186	2.240	0.844	0.406	0.833	0.545		

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05