

1 Summaries of Parametric Statistics Analysis for the latent trait estimates of Interest/Enjoyment in the first empirical study

Table 1: Summary of two-way ANOVA results for the latent trait estimates of Interest/Enjoyment in the first empirical study

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.421	1	0.419	0.520	
Type.Type	0.946	1	0.942	0.336	
Type.CLRole	0.268	1	0.267	0.607	
Type.Type:CLRole	2.003	1	1.993	0.164	
Type.Residuals	52.258	52			

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Interest/Enjoyment in the first empirical study

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.adj	g	sig	mag
Type.non-gamified	28	-0.217	-0.217	0.189	52	-0.597	0.163						
Type.ont-gamified	28	0.062	0.043	0.190	52	-0.338	0.424						
Type.non-gamified - ont-gamified	56	-0.279	-0.260	0.268		-0.816	0.259	-0.970	0.336	0.303	-0.274		
Type.non-gamified.Apprentice	14	-0.097	-0.097	0.268	52	-0.635	0.441						
Type.ont-gamified.Apprentice	13	-0.215	-0.215	0.278	52	-0.773	0.343						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	27	0.118	0.118	0.386		-0.906	1.143	0.307	0.760	0.990	0.106		
Type.non-gamified.Master	14	-0.337	-0.337	0.268	52	-0.875	0.201						
Type.ont-gamified.Master	15	0.302	0.302	0.259	52	-0.217	0.821						
Type.non-gamified.Master - ont-gamified.Master	29	-0.639	-0.639	0.373		-1.628	0.350	-1.715	0.092	0.326	-0.678		

Signif. codes: 0 ‘***’ 0.01 ‘*’ 0.05