1 Summaries of Parametric Statistics Analysis for the latent trait estimates of Relevance in the third empirical study

Table 1: Summary of two-way ANOVA results for the latent trait estimates of Relevance in the third empirical study

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.222	1	0.505	0.481	
Type.Type	1.559	1	3.541	0.066	
Type.CLRole	1.299	1	2.950	0.092	
Type.Type:CLRole	0.791	1	1.797	0.187	
Type.Residuals	20.698	47			

Signif. codes: 0 "**" 0.01 "*" 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Relevance in the third empirical study

	z	mean	lsmean	SE	Jp	lwr.CI	upr.CI	t.ratio	p.value	p.ajd	50	sig	mag
Type.ont-gamified	24	0.181	0.256	0.140	47	-0.025	0.538						
Type.w/o-gamified	27	-0.131	-0.116	0.140	47	-0.397	0.165						
Type.ont-gamified - w/o-gamified	51	0.312	0.372	0.198		-0.063	0.686	1.882	0.066	0.101	0.450		
Type ont-gamified. Apprentice	15	-0.046	-0.046	0.171	47		0.299						
Type.w/o-gamified.Apprentice	19	-0.153	-0.153	0.152	47	-0.459	0.153						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	34	0.107	0.107	0.229		-0.503	0.718	0.467	0.643	0.966	0.150		
Type.ont-gamified.Master	6	0.559	0.559	0.221	47	0.114	1.004						
Type.w/o-gamified.Master	∞	-0.079	-0.079	0.235	47	-0.551	0.393						
Type.ont-gamified.Master - w/o-gamified.Master	17	0.637	0.637	0.322		-0.221	1.496	1.977	0.054	0.211	1.039		

Signif. codes: 0 "**" 0.01 "*" 0.05