

# 1 Summaries of Parametric Statistics Analysis for the latent trait estimates of Perceived Choice in the third empirical study

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.160	1	0.120	0.731	
Type.Type	11.013	1	8.236	0.006	**
Type.CLRole	0.465	1	0.348	0.558	
Type.Type:CLRole	1.641	1	1.227	0.274	
Type.Residuals	62.848	47			

Signif. codes: 0 “\*\*\*” 0.01 “\*” 0.05

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

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.adj	g	sig	mag
Type.ont-gamified	24	0.481	0.554	0.244	47	0.064	1.045						
Type.w/o-gamified	27	-0.399	-0.435	0.244	47	-0.925	0.055						
Type.ont-gamified - w/o-gamified	51	0.880	0.989	0.345		0.227	1.532	2.870	0.006	0.009	0.752	**	medium
Type.ont-gamified.Apprentice	15	0.262	0.262	0.299	47	-0.339	0.862						
Type.w/o-gamified.Apprentice	19	-0.346	-0.346	0.265	47	-0.879	0.188						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	34	0.607	0.607	0.399		-0.456	1.671	1.521	0.135	0.434	0.482		
Type.ont-gamified.Master	9	0.847	0.847	0.385	47	0.071	1.622						
Type.w/o-gamified.Master	8	-0.524	-0.524	0.409	47	-1.347	0.298						
Type.ont-gamified.Master - w/o-gamified.Master	17	1.371	1.371	0.562		-0.125	2.868	2.440	0.019	0.083	1.324		

Signif. codes: 0 ‘\*\*\*’ 0.01 ‘\*’ 0.05