

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

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.016	1	0.020	0.889	
Type.Type	6.371	1	7.885	0.007	**
Type.CLRole	0.229	1	0.283	0.597	
Type.Type:CLRole	0.050	1	0.061	0.805	
Type.Residuals	45.244	56			

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 first empirical study

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.adj	g	sig	m
Type.non-gamified	30	-0.340	-0.343	0.164	56	-0.672	-0.013						
Type.ont-gamified	30	0.310	0.310	0.164	56	-0.019	0.639						
Type.non-gamified - ont-gamified	60	-0.650	-0.652	0.232		-1.115	-0.185	-2.808	0.007	0.007	-0.724	**	med
Type.non-gamified.Apprentice	14	-0.376	-0.376	0.240	56	-0.857	0.106						
Type.ont-gamified.Apprentice	15	0.219	0.219	0.232	56	-0.246	0.684						
Type.non-gamified.Apprentice	29	-0.595	-0.595	0.334		-1.479	0.290	-1.781	0.080	0.293	-0.617		
Type.non-gamified.Master	16	-0.310	-0.310	0.225	56	-0.760	0.141						
Type.ont-gamified.Master	15	0.401	0.401	0.232	56	-0.064	0.865						
Type.non-gamified.Master - ont-gamified.Master	31	-0.710	-0.710	0.323		-1.565	0.145	-2.198	0.032	0.136	-0.802		

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