

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

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.579	1	1.520	0.223	
Type.Type	3.087	1	8.103	0.006	**
Type.CLRole	0.064	1	0.168	0.683	
Type.Type:CLRole	0.020	1	0.053	0.819	
Type.Residuals	21.333	56			

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

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Intrinsic Motivation 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	-0.329	-0.325	0.113	56	-0.552	-0.099						
Type.ont-gamified	30	0.129	0.129	0.113	56	-0.097	0.354						
Type.non-gamified - ont-gamified	60	-0.458	-0.454	0.160		-0.777	-0.138	-2.847	0.006	0.006	-0.743	**	med
Type.non-gamified.Apprentice	14	-0.274	-0.274	0.165	56	-0.605	0.056						
Type.ont-gamified.Apprentice	15	0.143	0.143	0.159	56	-0.176	0.462						
Type.non-gamified.Apprentice	29	-0.418	-0.418	0.229		-1.025	0.190	-1.820	0.074	0.275	-0.583		
Type.non-gamified.Master	16	-0.376	-0.376	0.154	56	-0.686	-0.067						
Type.ont-gamified.Master	15	0.114	0.114	0.159	56	-0.205	0.434						
Type.non-gamified.Master - ont-gamified.Master	31	-0.491	-0.491	0.222		-1.078	0.097	-2.212	0.031	0.132	-0.896		

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