

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

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.561	1	1.508	0.226	
Type.Type	2.533	1	6.812	0.012	*
Type.CLRole	1.031	1	2.772	0.103	
Type.Type:CLRole	0.468	1	1.258	0.268	
Type.Residuals	17.481	47			

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 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	0.286	0.349	0.129	47	0.090	0.607						
Type.w/o-gamified	27	-0.146	-0.126	0.129	47	-0.384	0.133						
Type.ont-gamified - w/o-gamified	51	0.431	0.474	0.182		0.087	0.775	2.610	0.012	0.015	0.682	*	medium
Type.ont-gamified.Apprentice	15	0.096	0.096	0.157	47	-0.221	0.412						
Type.w/o-gamified.Apprentice	19	-0.175	-0.175	0.140	47	-0.456	0.106						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	34	0.271	0.271	0.211		-0.291	0.832	1.284	0.205	0.577	0.431		
Type.ont-gamified.Master	9	0.602	0.602	0.203	47	0.193	1.011						
Type.w/o-gamified.Master	8	-0.076	-0.076	0.216	47	-0.510	0.358						
Type.ont-gamified.Master - w/o-gamified.Master	17	0.678	0.678	0.296		-0.111	1.468	2.289	0.027	0.115	1.065		

Signif. codes: 0 ‘***’ 0.01 ‘*’ 0.05