

Summary of parametric statistics analysis for the latent trait estimates of  
Intrinsic Motivation in the third study for students with effective participation

October 1, 2018

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	2.145	1	7.510	0.009	
Type.Type	0.469	1	1.644	0.207	
Type.CLRole	0.438	1	1.534	0.223	
Type.Type:CLRole	0.808	1	2.831	0.100	
Type.Residuals	11.137	39			

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 study for students with effective participation

	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	0.113	39	0.121	0.577						
Type.w/o-gamified	19	0.141	0.126	0.132	39	-0.140	0.393						
Type.ont-gamified - w/o-gamified	43	0.145	0.222	0.173		-0.187	0.477	1.282	0.207	0.383	0.256		
Type.ont-gamified.Apprentice	15	0.096	0.096	0.138	39	-0.184	0.375						
Type.w/o-gamified.Apprentice	13	0.165	0.165	0.148	39	-0.135	0.465						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	28	-0.069	-0.069	0.202		-0.613	0.474	-0.343	0.733	0.986	-0.135		
Type.ont-gamified.Master	9	0.602	0.602	0.178	39	0.242	0.962						
Type.w/o-gamified.Master	6	0.088	0.088	0.218	39	-0.353	0.529						
Type.ont-gamified.Master - w/o-gamified.Master	15	0.514	0.514	0.282		-0.242	1.270	1.826	0.076	0.277	0.808		