

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

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.093	1	0.272	0.604	
Type.Type	0.175	1	0.513	0.477	
Type.CLRole	0.056	1	0.164	0.688	
Type.Type:CLRole	0.045	1	0.131	0.719	
Type.Residuals	15.976	47			

Signif. codes: 0 ‘***’ 0.01 ‘**’ 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Level of 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	0.091	0.108	0.123	47	-0.140	0.355						
Type.w/o-gamified	27	-0.018	-0.017	0.123	47	-0.264	0.230						
Type.ont-gamified - w/o-gamified	51	0.109	0.125	0.174		-0.220	0.438	0.717	0.477	0.507	0.188		
Type.ont-gamified.Apprentice	15	0.041	0.041	0.151	47	-0.262	0.344						
Type.w/o-gamified.Apprentice	19	-0.021	-0.021	0.134	47	-0.290	0.248						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	34	0.062	0.062	0.201		-0.475	0.598	0.306	0.761	0.990	0.097		
Type.ont-gamified.Master	9	0.174	0.174	0.194	47	-0.217	0.565						
Type.w/o-gamified.Master	8	-0.013	-0.013	0.206	47	-0.428	0.401						
Type.ont-gamified.Master - w/o-gamified.Master	17	0.187	0.187	0.283		-0.567	0.942	0.662	0.511	0.911	0.365		

Signif. codes: 0 ‘***’ 0.01 ‘*’ 0.05