

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

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.143	1	0.390	0.535	
Type.Type	1.536	1	4.188	0.047	*
Type.CLRole	0.535	1	1.460	0.233	
Type.Type:CLRole	0.097	1	0.265	0.610	
Type.Residuals	16.141	44			

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 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.non-gamified	20	-0.237	-0.237	0.135	44	-0.510	0.036						
Type.ont-gamified	28	0.126	0.126	0.114	44	-0.105	0.357						
Type.non-gamified - ont-gamified	48	-0.363	-0.363	0.177		-0.720	-0.006	-2.046	0.047	0.047	-0.592	*	medium
Type.non-gamified.Apprentice	10	-0.084	-0.084	0.192	44	-0.470	0.302						
Type.ont-gamified.Apprentice	14	0.188	0.188	0.162	44	-0.139	0.514						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	24	-0.272	-0.272	0.251		-0.941	0.398	-1.083	0.285	0.701	-0.377		
Type.non-gamified.Master	10	-0.390	-0.390	0.192	44	-0.776	-0.004						
Type.ont-gamified.Master	14	0.065	0.065	0.162	44	-0.262	0.391						
Type.non-gamified.Master - ont-gamified.Master	24	-0.454	-0.454	0.251		-1.124	0.215	-1.811	0.077	0.282	-0.878		