

# Summary of parametric statistics analysis for Attention score in the third study for students with effective participation

Table 1: Summary of two-way ANOVA results for Attention score in the third study for students with effective participation

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	568.395	1	329.447	0.000	
Type.Type	0.356	1	0.207	0.652	
Type.CLRole	0.191	1	0.110	0.741	
Type.Type:CLRole	0.547	1	0.317	0.577	
Type.Residuals	67.287	39			

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

Table 2: Descriptive statistics and Tukey post-hoc test results for Attention score 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	3.724	3.772	0.277	39	3.212	4.332						
Type.w/o-gamified	19	3.984	3.966	0.324	39	3.310	4.621						
Type.ont-gamified - w/o-gamified	43	-0.260	-0.194	0.426		-1.075	0.556	-0.455	0.652	0.524	-0.198		
Type.ont-gamified.Apprentice	15	3.581	3.581	0.339	39	2.895	4.267						
Type.w/o-gamified.Apprentice	13	4.015	4.015	0.364	39	3.278	4.752						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	28	-0.434	-0.434	0.498		-1.769	0.902	-0.872	0.389	0.819	-0.296		
Type.ont-gamified.Master	9	3.963	3.963	0.438	39	3.077	4.849						
Type.w/o-gamified.Master	6	3.917	3.917	0.536	39	2.832	5.001						
Type.ont-gamified.Master - w/o-gamified.Master	15	0.046	0.046	0.692		-1.811	1.904	0.067	0.947	1.000	0.041		