

Summary of parametric statistics analysis for Pressure/Tension score in the third study for students with effective participation

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	308.385	1	227.118	0.000	
Type.Type	2.447	1	1.802	0.187	
Type.CLRole	16.418	1	12.091	0.001	**
Type.Type:CLRole	0.124	1	0.092	0.764	
Type.Residuals	52.955	39			

Signif. codes: 0 “***” 0.01 “**” 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for Pressure/Tension 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	3.282	3.104	0.246	39	2.607	3.601						
Type.w/o-gamified	19	2.817	2.596	0.288	39	2.014	3.178						
Type.ont-gamified - w/o-gamified	43	0.465	0.508	0.378		-0.259	1.189	1.342	0.187	0.201	0.349		
Type.ont-gamified.Apprentice	15	3.818	3.818	0.301	39	3.210	4.427						
Type.w/o-gamified.Apprentice	13	3.196	3.196	0.323	39	2.543	3.850						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	28	0.622	0.622	0.442		-0.563	1.807	1.409	0.167	0.502	0.583		
Type.ont-gamified.Master	9	2.389	2.389	0.388	39	1.603	3.175						
Type.w/o-gamified.Master	6	1.996	1.996	0.476	39	1.033	2.958						
Type.ont-gamified.Master - w/o-gamified.Master	15	0.393	0.393	0.614		-1.255	2.041	0.640	0.526	0.918	0.267		