

# Summary of parametric statistics analysis for the latent trait estimates of Pressure/Tension 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 Pressure/Tension in the third study for students with effective participation

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	2.277	1	4.613	0.038	
Type.Type	0.602	1	1.219	0.276	
Type.CLRole	6.261	1	12.684	0.001	**
Type.Type:CLRole	0.086	1	0.175	0.678	
Type.Residuals	19.252	39			

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

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Pressure/Tension 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	-0.006	-0.119	0.148	39	-0.419	0.181						
Type.w/o-gamified	19	-0.239	-0.371	0.173	39	-0.721	-0.020						
Type.ont-gamified - w/o-gamified	43	0.233	0.252	0.228		-0.203	0.670	1.104	0.276	0.286	0.287		
Type.ont-gamified.Apprentice	15	0.335	0.335	0.181	39	-0.032	0.702						
Type.w/o-gamified.Apprentice	13	-0.012	-0.012	0.195	39	-0.406	0.382						
Type.ont-gamified.Apprentice - w/o-gamified.Apprentice	28	0.347	0.347	0.266		-0.367	1.061	1.304	0.200	0.566	0.531		
Type.ont-gamified.Master	9	-0.573	-0.573	0.234	39	-1.046	-0.099						
Type.w/o-gamified.Master	6	-0.729	-0.729	0.287	39	-1.309	-0.149						
Type.ont-gamified.Master - w/o-gamified.Master	15	0.156	0.156	0.370		-0.837	1.150	0.423	0.675	0.974	0.179		