

Summary of parametric statistics analysis for Effort/Importance score in the pilot study for students with effective participation

Table 1: Summary of two-way ANOVA results for Effort/Importance score in the pilot study for students with effective participation

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	432.247	1	368.259	0.000	
Type.Type	0.554	1	0.472	0.501	
Type.CLRole	0.302	1	0.257	0.619	
Type.Type:CLRole	0.234	1	0.200	0.661	
Type.Residuals	19.954	17			

Signif. codes: 0 “***” 0.01 “**” 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for Effort/Importance score in the pilot 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	7	5.524	5.517	0.453	17	4.560	6.473						
Type.ont-gamified	14	5.249	5.135	0.320	17	4.459	5.811						
Type.non-gamified - ont-gamified	21	0.275	0.381	0.555		-0.783	1.333	0.687	0.501	0.591	0.253		
Type.non-gamified.Apprentice	5	5.533	5.533	0.485	17	4.511	6.556						
Type.ont-gamified.Apprentice	10	5.400	5.400	0.343	17	4.677	6.123						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	15	0.133	0.133	0.593		-1.553	1.820	0.225	0.825	0.996	0.127		
Type.non-gamified.Master	2	5.500	5.500	0.766	17	3.884	7.116						
Type.ont-gamified.Master	4	4.871	4.871	0.542	17	3.728	6.014						
Type.non-gamified.Master - ont-gamified.Master	6	0.629	0.629	0.938		-2.038	3.296	0.671	0.511	0.907	0.375		