

Summary of parametric statistics analysis for Perceived Choice score in the pilot study for students with effective participation

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

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	286.832	1	206.623	0.000	
Type.Type	5.831	1	4.200	0.056	
Type.CLRole	1.041	1	0.750	0.398	
Type.Type:CLRole	6.609	1	4.761	0.043	*
Type.Residuals	23.599	17			

Signif. codes: 0 “***” 0.01 “**” 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for Perceived Choice 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	4.114	3.720	0.493	17	2.680	4.760						
Type.ont-gamified	14	4.787	4.957	0.349	17	4.222	5.692						
Type.non-gamified - ont-gamified	21	-0.673	-1.237	0.604		-1.823	0.478	-2.049	0.056	0.234	-0.512		
Type.non-gamified.Apprentice	5	4.640	4.640	0.527	17	3.528	5.752						
Type.ont-gamified.Apprentice	10	4.560	4.560	0.373	17	3.774	5.346						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	15	0.080	0.080	0.645		-1.754	1.914	0.124	0.903	0.999	0.060		
Type.non-gamified.Master	2	2.800	2.800	0.833	17	1.042	4.558						
Type.ont-gamified.Master	4	5.354	5.354	0.589	17	4.111	6.597						
Type.non-gamified.Master - ont-gamified.Master	6	-2.554	-2.554	1.020		-5.455	0.346	-2.503	0.023	0.095	-2.382		