

# Summary of parametric statistics analysis for the latent trait estimates of Effort/Importance in the first study for signed up students

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Table 1: Summary of two-way ANOVA results for the latent trait estimates of Effort/Importance in the first study for signed up students

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.078	1	0.086	0.770	
Type.Type	3.861	1	4.303	0.043	*
Type.CLRole	2.374	1	2.646	0.109	
Type.Type:CLRole	0.799	1	0.891	0.349	
Type.Residuals	50.244	56			

Signif. codes: 0 “\*\*\*” 0.01 “\*\*” 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Effort/Importance in the first study for signed up students

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.ajd	g	sig	mag
Type.non-gamified	30	-0.311	-0.290	0.173	56	-0.637	0.057						
Type.ont-gamified	30	0.218	0.218	0.173	56	-0.128	0.564						
Type.non-gamified - ont-gamified	60	-0.529	-0.508	0.245		-1.019	-0.039	-2.074	0.043	0.035	-0.544	*	medium
Type.non-gamified.Apprentice	14	0.025	0.025	0.253	56	-0.482	0.532						
Type.ont-gamified.Apprentice	15	0.302	0.302	0.245	56	-0.188	0.792						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	29	-0.277	-0.277	0.352		-1.209	0.655	-0.786	0.435	0.860	-0.260		
Type.non-gamified.Master	16	-0.605	-0.605	0.237	56	-1.079	-0.130						
Type.ont-gamified.Master	15	0.134	0.134	0.245	56	-0.356	0.624						
Type.non-gamified.Master - ont-gamified.Master	31	-0.739	-0.739	0.340		-1.640	0.162	-2.171	0.034	0.144	-0.839		