

Summary of parametric statistics analysis for the latent trait estimates of Level of Motivation in the second study for signed up students

October 1, 2018

Table 1: Summary of two-way ANOVA results for the latent trait estimates of Level of Motivation in the second study for signed up students

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	0.003	1	0.005	0.947	
Type.Type	0.261	1	0.345	0.559	
Type.CLRole	0.011	1	0.015	0.903	
Type.Type:CLRole	0.770	1	1.022	0.317	
Type.Residuals	40.727	54			

Signif. codes: 0 “***” 0.01 “*” 0.05

Table 2: Descriptive statistics and Tukey post-hoc test results for the latent trait estimates of Level of Motivation in the second study for signed up students

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.adj	g	sig	mag
Type.non-gamified	34	-0.113	-0.064	0.159	54	-0.383	0.255						
Type.ont-gamified	24	0.117	0.081	0.188	54	-0.296	0.458						
Type.non-gamified - ont-gamified	58	-0.231	-0.145	0.246		-0.695	0.234	-0.588	0.559	0.324	-0.264		
Type.non-gamified.Apprentice	23	-0.204	-0.204	0.181	54	-0.567	0.159						
Type.ont-gamified.Apprentice	16	0.190	0.190	0.217	54	-0.245	0.625						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	39	-0.394	-0.394	0.283		-1.143	0.356	-1.393	0.169	0.509	-0.451		
Type.non-gamified.Master	11	0.075	0.075	0.262	54	-0.450	0.600						
Type.ont-gamified.Master	8	-0.029	-0.029	0.307	54	-0.644	0.587						
Type.non-gamified.Master - ont-gamified.Master	19	0.104	0.104	0.404		-0.966	1.174	0.258	0.797	0.994	0.111		