

# 1 Summaries of Parametric Statistics Analysis for the latent trait estimates of Pressure/Tension in the first empirical study

Table 1: Summary of two-way ANOVA results for the latent trait estimates of Pressure/Tension in the first empirical study

	Sum Sq	Df	F value	Pr(>F)	Sig
Type.(Intercept)	5.506	1	5.333	0.025	
Type.Type	2.428	1	2.352	0.131	
Type.CLRole	0.011	1	0.011	0.918	
Type.Type:CLRole	6.351	1	6.151	0.016	*
Type.Residuals	57.815	56			

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 first empirical study

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.adj	g	sig	mag
Type.non-gamified	30	0.484	0.505	0.186	56	0.132	0.877						
Type.ont-gamified	30	0.102	0.102	0.186	56	-0.270	0.473						
Type.non-gamified - ont-gamified	60	0.382	0.403	0.263		-0.144	0.908	1.534	0.131	0.151	0.358		
Type.non-gamified.Apprentice	14	0.817	0.817	0.272	56	0.273	1.361						
Type.ont-gamified.Apprentice	15	-0.237	-0.237	0.262	56	-0.763	0.288						
Type.non-gamified.Apprentice - ont-gamified.Apprentice	29	1.054	1.054	0.378		0.054	2.054	2.792	0.007	0.035	0.964	*	large
Type.non-gamified.Master	16	0.193	0.193	0.254	56	-0.316	0.701						
Type.ont-gamified.Master	15	0.441	0.441	0.262	56	-0.084	0.967						
Type.non-gamified.Master - ont-gamified.Master	31	-0.249	-0.249	0.365		-1.216	0.718	-0.681	0.499	0.904	-0.249		

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