1 Summaries of Nonparametric Statistics Analysis for the Perceived Competence

Table 1: Summary of Kruskal-Wallis rank test results for the Perceived Competence

	chi.square	df	p.value	Sig
Age	1.131	2	0.568	
Sex	0.068	1	0.794	
AcademicDegree	6.312	2	0.043	*
KnownDomainContent	4.257	1	0.039	*
LikeDomainContent	0.928	1	0.336	
LikeActionGames	0.068	1	0.795	
LikeAdventureGames	3.427	1	0.064	
LikeFightingGames	0.986	1	0.321	
LikeFictionGames	0.446	1	0.504	
LikePlatformerGames	4.960	1	0.026	*
LikePuzzleGames	0.253	1	0.615	
LikeRacingGames	0.027	1	0.871	
LikeMusicalGames	0.134	1	0.715	
LikeMMORPGGames	2.544	1	0.111	
LikeShooterGames	0.833	1	0.361	
LikeSimulationGames	0.019	1	0.890	
LikeSportsGames	0.023	1	0.879	
LikeStrategyGames	3.601	1	0.058	
LikeNovelGames	4.333	1	0.037	*

Signif. codes: 0 "**" 0.01 "*" 0.05

2 Wilcoxon Pairs Statistics Analysis for the Perceived Competence

Table 2: Descriptive statistic of the pair wilcoxon analysis for the Perceived Competence

	Group	N	Median	Mean.Ranks	Sum.Ranks	U	Z	p.value
AcademicDegree.AcademicDegree.basic-school:undergraduate.less.1	basic-school	10	3.42	13.60	136.0	81.0	−2.50	0.006
AcademicDegree.AcademicDegree.basic-school:undergraduate.less.2	undergraduate	34	4.92	25.12	854.0	81.0	−2.50	0.006
AcademicDegree.AcademicDegree.basic-school:undergraduate.two.sided.1	basic-school	10	3.42	13.60	136.0	81.0	−2.50	0.011
AcademicDegree.AcademicDegree.basic-school:undergraduate.two.sided.2	undergraduate	34	4.92	25.12	854.0	81.0	−2.50	0.011
KnownDomainContent.KnownDomainContent.no:yes.less.1	no	25	4.17	20.88	522.0	197.0	−2.06	0.019
KnownDomainContent.KnownDomainContent.no:yes.less.2	yes	24	5.00	29.29	703.0	197.0	−2.06	0.019
KnownDomainContent.KnownDomainContent.no:yes.two.sided.1	no	25	4.17	20.88	522.0	197.0	−2.06	0.039
KnownDomainContent.KnownDomainContent.no:yes.two.sided.2	yes	24	5.00	29.29	703.0	197.0	−2.06	0.039
LikeAdventureGames.LikeAdventureGames.no:yes.less.1	no	17	3.67	19.82	337.0	184.0	−1.85	0.032
LikeAdventureGames.LikeAdventureGames.no:yes.less.2	yes	32	4.75	27.75	888.0	184.0	−1.85	0.032
LikePlatformerGames.LikePlatformerGames.no:yes.less.1	no	26	4.00	20.73	539.0	188.0	−2.23	0.013
LikePlatformerGames.LikePlatformerGames.no:yes.less.2	yes	23	5.50	29.83	686.0	188.0	−2.23	0.013
LikePlatformerGames.LikePlatformerGames.no:yes.two.sided.1	no	26	4.00	20.73	539.0	188.0	−2.23	0.025
LikePlatformerGames.LikePlatformerGames.no:yes.two.sided.2	yes	23	5.50	29.83	686.0	188.0	−2.23	0.025
LikeStrategyGames.LikeStrategyGames.no:yes.less.1	no	12	3.92	18.21	218.5	140.5	−1.90	0.029
LikeStrategyGames.LikeStrategyGames.no:yes.less.2	yes	37	4.67	27.20	1006.5	140.5	−1.90	0.029
LikeNovelGames.LikeNovelGames.no:yes.less.1	no	40	4.33	22.99	919.5	99.5	−2.08	0.018
LikeNovelGames.LikeNovelGames.no:yes.less.2	yes	9	5.50	33.94	305.5	99.5	−2.08	0.018
LikeNovelGames.LikeNovelGames.no:yes.two.sided.1	no	40	4.33	22.99	919.5	99.5	−2.08	0.036
LikeNovelGames.LikeNovelGames.no:yes.two.sided.2	yes	9	5.50	33.94	305.5	99.5	−2.08	0.036

Signif. codes: 0 "**" 0.01 "*" 0.05