1 Summaries of Parametric Statistics Analysis for the scores of Interest/Enjoyment

Table 1: Summary of one-way ANOVA results for the scores of Interest/Enjoyment

	Sum Sq	Df	F value	Pr(>F)	Sig
Age.(Intercept)	662.616	1	294.549	0.000	
Age.Age	1.181	2	0.262	0.770	
Age.Residuals	103.481	46			
Sex.(Intercept)	796.852	1	538.387	0.000	
Sex.Sex	5.092	1	3.440	0.071	
Sex.Residuals	62.163	42			
AcademicDegree.(Intercept)	538.493	1	246.998	0.000	
AcademicDegree.AcademicDegree	4.375	2	1.003	0.375	
AcademicDegree.Residuals	100.287	46			
KnownDomainContent.(Intercept)	1025.921	1	502.879	0.000	
KnownDomainContent.KnownDomainContent	8.778	1	4.303	0.044	*
KnownDomainContent.Residuals	95.884	47			
LikeDomainContent.(Intercept)	1045.082	1	705.542	0.000	
LikeDomainContent.LikeDomainContent	7.729	1	5.218	0.027	*
LikeDomainContent.Residuals	63.694	43			
LikeActionGames.(Intercept)	1022.374	1	459.381	0.000	
LikeActionGames.LikeActionGames	0.061	1	0.028	0.869	
LikeActionGames.Residuals	104.601	47			
LikeAdventureGames.(Intercept)	904.477	1	411.810	0.000	
LikeAdventureGames.LikeAdventureGames	1.434	1	0.653	0.423	
LikeAdventureGames.Residuals	103.228	47			
LikeFightingGames.(Intercept)	912.628	1	411.404	0.000	
LikeFightingGames.LikeFightingGames	0.401	1	0.181	0.673	
LikeFightingGames.Residuals	104.261	47			
LikeFictionGames.(Intercept)	1008.492	1	556.779	0.000	
LikeFictionGames.LikeFictionGames	3.527	1	1.947	0.170	
LikeFictionGames.Residuals	81.508	45			
LikePlatformerGames.(Intercept)	1044.560	1	605.364	0.000	
LikePlatformerGames.LikePlatformerGames	7.388	1	4.281	0.044	*
LikePlatformerGames.Residuals	77.648	45			
LikePuzzleGames.(Intercept)	1026.187	1	543.063	0.000	
LikePuzzleGames.LikePuzzleGames	0.002	1	0.001	0.972	
LikePuzzleGames.Residuals	85.033	45			
LikeRacingGames.(Intercept)	822.011	1	384.937	0.000	
LikeRacingGames.LikeRacingGames	4.296	1	2.012	0.163	
LikeRacingGames.Residuals	100.366	47			
LikeMusicalGames.(Intercept)	814.456	1	432.988	0.000	
LikeMusicalGames.LikeMusicalGames	0.390	1	0.207	0.651	
LikeMusicalGames.Residuals	84.646	45			
LikeMMORPGGames.(Intercept)	1012.822	1	508.550	0.000	

	Sum Sq	Df	F value	Pr($>$F)	Sig
LikeMMORPGGames.LikeMMORPGGames	3.440	1	1.727	0.195	
LikeMMORPGGames.Residuals	91.613	46			
LikeShooterGames.(Intercept)	1007.787	1	488.800	0.000	
LikeShooterGames.LikeShooterGames	7.760	1	3.764	0.058	
LikeShooterGames.Residuals	96.903	47			
LikeSimulationGames.(Intercept)	899.901	1	404.115	0.000	
LikeSimulationGames.LikeSimulationGames	0.001	1	0.000	0.987	
LikeSimulationGames.Residuals	104.662	47			
LikeSportsGames.(Intercept)	436.156	1	195.883	0.000	
LikeSportsGames.LikeSportsGames	0.011	1	0.005	0.944	
LikeSportsGames.Residuals	104.651	47			
LikeStrategyGames.(Intercept)	724.196	1	329.424	0.000	
LikeStrategyGames.LikeStrategyGames	1.339	1	0.609	0.439	
LikeStrategyGames.Residuals	103.323	47			
LikeNovelGames.(Intercept)	611.934	1	274.802	0.000	
LikeNovelGames.LikeNovelGames	0.002	1	0.001	0.978	
LikeNovelGames.Residuals	104.660	47			

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

Table 2: Descriptive statistics and Tukey post-hoc test results for the scores of Interest/Enjoyment

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.ajd	g	sig	mag
Age.adolescence	10	4.667	4.667	0.474	46	3.712	5.621						
Age.adulthood	7	4.190	4.190	0.567	46	3.049	5.332						
Age.adolescence - adulthood	17	0.476	0.476	0.739		−1.314	2.266	0.644	0.797	0.797	0.261		
Age.adolescence1	10	4.667	4.667	0.474	46	3.712	5.621						
Age.emerging-adulthood	32	4.620	4.620	0.265	46	4.086	5.153						
Age.adolescence - emerging-adulthood	42	0.047	0.047	0.543		−1.269	1.363	0.086	0.996	0.996	0.032		
Age.adulthood1	7	4.190	4.190	0.567	46	3.049	5.332						
Age.emerging-adulthood1	32	4.620	4.620	0.265	46	4.086	5.153						
Age.adulthood - emerging-adulthood	39	−0.429	−0.429	0.626		−1.945	1.086	−0.686	0.773	0.773	−0.289		
Sex.female	10	5.483	5.483	0.385	42	4.707	6.260						
Sex.male	34	4.672	4.672	0.209	42	4.251	5.093						
Sex.female - male	44	0.812	0.812	0.438		−0.071	1.695	1.855	0.071	0.071	0.655		
AcademicDegree.basic-school	10	3.983	3.983	0.467	46	3.043	4.923						
AcademicDegree.postgraduate	5	4.600	4.600	0.660	46	3.271	5.929						
AcademicDegree.basic-school - postgraduate	15	−0.617	−0.617	0.809		−2.575	1.342	−0.763	0.728	0.728	−0.387		
AcademicDegree.basic-school1	10	3.983	3.983	0.467	46	3.043	4.923						
AcademicDegree.undergraduate	34	4.735	4.735	0.253	46	4.226	5.245						
AcademicDegree.basic-school - undergraduate	44	−0.752	−0.752	0.531		−2.038	0.534	−1.416	0.341	0.341	−0.504		
AcademicDegree.postgraduate1	5	4.600	4.600	0.660	46	3.271	5.929						
AcademicDegree.undergraduate1	34	4.735	4.735	0.253	46	4.226	5.245						
AcademicDegree.postgraduate - undergraduate	39	−0.135	−0.135	0.707		−1.848	1.577	−0.191	0.980	0.980	−0.089		
KnownDomainContent.no	25	4.153	4.153	0.286	47	3.579	4.728						
KnownDomainContent.yes	24	5.000	5.000	0.292	47	4.413	5.587						
KnownDomainContent.no - yes	49	−0.847	−0.847	0.408		−1.668	−0.026	−2.074	0.044	0.044	−0.583	*	medium
LikeDomainContent.no	23	4.406	4.406	0.254	43	3.894	4.918						
LikeDomainContent.yes	22	5.235	5.235	0.259	43	4.712	5.758						
LikeDomainContent.no - yes	45	−0.829	−0.829	0.363		−1.561	−0.097	−2.284	0.027	0.027	−0.669	*	medium

Table 2: *(continued)*

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.ajd	g	sig	mag
LikeActionGames.no	24	4.604	4.604	0.305	47	3.992	5.217						
LikeActionGames.yes	25	4.533	4.533	0.298	47	3.933	5.134						
LikeActionGames.no - yes	49	0.071	0.071	0.426		-0.787	0.928	0.166	0.869	0.869	0.047		
LikeAdventureGames.no	17	4.333	4.333	0.359	47	3.610	5.056						
LikeAdventureGames.yes	32	4.693	4.693	0.262	47	4.166	5.220						
LikeAdventureGames.no - yes	49	-0.359	-0.359	0.445		-1.254	0.535	-0.808	0.423	0.423	-0.239		
LikeFightingGames.no	33	4.505	4.505	0.259	47	3.983	5.027						
LikeFightingGames.yes	16	4.698	4.698	0.372	47	3.949	5.447						
LikeFightingGames.no - yes	49	-0.193	-0.193	0.454		-1.106	0.720	-0.425	0.673	0.673	-0.127		
LikeFictionGames.no	29	4.483	4.483	0.250	45	3.979	4.986						
LikeFictionGames.yes	18	5.046	5.046	0.317	45	4.407	5.685						
LikeFictionGames.no - yes	47	-0.564	-0.564	0.404		-1.377	0.250	-1.395	0.170	0.170	-0.412		
LikePlatformerGames.no	25	4.327	4.327	0.263	45	3.798	4.856						

Table 2: (continued)

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.ajd	g	sig	mag
LikePlatformerGames.yes	22	5.121	5.121	0.280	45	4.557	5.685						
LikePlatformerGames.no - yes	47	-0.795	-0.795	0.384	45	-1.568	-0.021	-2.069	0.044	0.044	-0.595	*	medium
LikePuzzleGames.no	21	4.706	4.706	0.300	45	4.102	5.311						
LikePuzzleGames.yes	26	4.692	4.692	0.270	45	4.149	5.235						
LikePuzzleGames.no - yes	47	0.014	0.014	0.403	45	-0.798	0.826	0.035	0.972	0.972	0.010		
LikeRacingGames.no	34	4.765	4.765	0.251	47	4.261	5.269						
LikeRacingGames.yes	15	4.122	4.122	0.377	47	3.363	4.881						
LikeRacingGames.no - yes	49	0.642	0.642	0.453	47	-0.269	1.554	1.418	0.163	0.163	0.433		
LikeMusicalGames.no	34	4.755	4.755	0.235	45	4.281	5.229						
LikeMusicalGames.yes	13	4.551	4.551	0.380	45	3.785	5.317						
LikeMusicalGames.no - yes	47	0.204	0.204	0.447	45	-0.697	1.104	0.455	0.651	0.651	0.146		
LikeMMORPGGames.no	22	4.341	4.341	0.301	46	3.735	4.947						
LikeMMORPGGames.yes	26	4.878	4.878	0.277	46	4.321	5.435						
LikeMMORPGGames.no - yes	48	-0.537	-0.537	0.409	46	-1.360	0.286	-1.314	0.195	0.195	-0.374		
LikeShooterGames.no	26	4.942	4.942	0.282	47	4.376	5.509						
LikeShooterGames.yes	23	4.145	4.145	0.299	47	3.543	4.747						
LikeShooterGames.no - yes	49	0.797	0.797	0.411	47	-0.029	1.624	1.940	0.058	0.058	0.546		
LikeSimulationGames.no	33	4.566	4.566	0.260	47	4.043	5.088						
LikeSimulationGames.yes	16	4.573	4.573	0.373	47	3.822	5.323						
LikeSimulationGames.no - yes	49	-0.007	-0.007	0.455	47	-0.922	0.907	-0.016	0.987	0.987	-0.005		
LikeSportsGames.no	43	4.574	4.574	0.228	47	4.116	5.031						
LikeSportsGames.yes	6	4.528	4.528	0.609	47	3.302	5.753						
LikeSportsGames.no - yes	49	0.046	0.046	0.650	47	-1.262	1.354	0.071	0.944	0.944	0.030		
LikeStrategyGames.no	12	4.278	4.278	0.428	47	3.417	5.139						
LikeStrategyGames.yes	37	4.662	4.662	0.244	47	4.172	5.153						
LikeStrategyGames.no - yes	49	-0.384	-0.384	0.493	47	-1.375	0.607	-0.780	0.439	0.439	-0.255		
LikeNovelGames.no	40	4.571	4.571	0.236	47	4.096	5.045						
LikeNovelGames.yes	9	4.556	4.556	0.497	47	3.555	5.556						

Table 2: *(continued)*

	N	mean	lsmean	SE	df	lwr.CI	upr.CI	t.ratio	p.value	p.ajd	g	sig	mag
LikeNovelGames.no - yes	49	0.015	0.015	0.551		−1.092	1.123	0.028	0.978	0.978	0.010		

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