

Appendix 1. The Results of Tukey's Test to Examine the Relation between Gaming Pattern and Game Genres

Pattern	Gaming style (i)	Gaming Genres (j)	Mean difference (i-j)	SD	P Value
Social/ Emotional Pattern	Puzzle	Action	-۷.356*	1.464	۰.00۱
		Strategic	-5.314*	1.670	۰.020
		Adventure	-4.8۱8	1.692	۰.053
		Educational	-5.6۱7*	1.905	۰.040*
		Simulation	-4.7۳2	2.123	۰.227
	Action	Puzzle	7.356	1.464	۰.00۱
		Strategic	2.043	1.166	۰.499
		Adventure	2.538	1.198	۰.280
		Educational	1.739	1.484	۰.850
		Simulation	2.624	1.755	۰.667
	Strategic	Puzzle	5.314*	1.670	۰.020*
		Action	-۷.043	1.166	۰.499
		Adventure	۰.495	1.443	۰.999
		Educational	-۰.303	1.687	1.000
		Simulation	۰.581	1.930	1.000
	Adventure	Puzzle	4.818	1.692	۰.053
		Action	-۷.538	1.198	۰.280
		Strategic	-۰.495	1.443	۰.999
		Educational	-۰.799	1.709	۰.997
		Simulation	۰.086	1.949	1.000
	Educational	Puzzle	5.617*	1.905	۰.040*
		Action	-۱.739	1.484	۰.850
		Strategic	۰.303	1.687	1.000
		Adventure	۰.799	1.709	۰.997
		Simulation	۰.885	2.137	۰.998
	Simulation	Puzzle	۰.227	2.123	۰.227
		Action	۰.667	1.755	۰.667
		Strategic	1.000	1.930	1.000
		Adventure	1.000	1.949	1.000

Academic/ Professional Pattern	Puzzle	Educational	.998	2.137	.998
		Action	-8.413*	1.337	.001
		Strategic	-7.375*	1.526	.001
		Adventure	-5.507*	1.546	.006
		Educational	-5.794*	1.740	.012
	Action	Simulation	-6.518*	1.939	.011
		Puzzle	8.413*	1.337	.001
		Strategic	1.038	1.065	.926
		Adventure	2.905	1.095	.087
		Educational	2.618	1.355	.384
	Strategic	Simulation	1.895	1.603	.845
		Puzzle	7.375*	1.526	.001
		Action	-1.038	1.065	.926
		Adventure	1.868	1.318	.716
		Educational	1.581	1.541	.909
	Adventure	Simulation	1.857	1.763	.997
		Puzzle	5.507	1.546	.006
		Action	-2.905	1.095	.087
		Strategic	-1.868	1.318	.716
		Educational	-1.287	1.562	1.000
	Educational	Simulation	-1.011	1.781	.993
		Puzzle	5.794*	1.740	.012
		Action	-2.618	1.355	.384
		Strategic	-1.581	1.541	.909
		Adventure	.287	1.562	1.000
	Simulation	Simulation	-1.724	1.952	.999
		Puzzle	6.518*	1.939	.011
		Action	-1.895	1.603	.845
		Strategic	-1.857	1.763	.997
		Adventure	1.011	1.781	.993
		Educational	.724	1.952	.999

* p<0.05