Oneway

Notes

Output Created		04-JUL-2023 19:06:01
Comments		
Input	Data	/Users/victor/Downloads/program file.movie attendance.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	500
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY Q5a Q5b Q5c Q5d Q5e Q5f Q5g Q5h Q5i BY Q13 /ES=OVERALL /STATISTICS DESCRIPTIVES /MISSING ANALYSIS / CRITERIA=CILEVEL(0.95).
Resources	Processor Time	00:00:00.11
	Elapsed Time	00:00:00.00

Descriptives

		Std.	95% Confidence Interval for Mean

		N	Mean	Std. Deviation	Std. Error	Lower Bound	Upper Bound	Minimum	Maximum
(Q5a)Movie Items: How important in your selection of a movie theatre is: video arcade at the Movie Theatre	Freshman	71	1.20	.551	.065	1.07	1.33	1	4
	Sophomore	81	1.27	.613	.068	1.14	1.41	1	4
	Junior	113	1.27	.698	.066	1.14	1.40	1	4
	Senior	136	1.19	.538	.046	1.10	1.28	1	4
	Grad Student	46	1.13	.453	.067	1.00	1.26	1	3
	Total	447	1.22	.590	.028	1.17	1.28	1	4
(Q5b)Movie Items: How important in your selection of a movie theatre is: Soft drinks and food	Freshman	71	2.38	.976	.116	2.15	2.61	1	4
	Sophomore	81	2.60	1.033	.115	2.38	2.83	1	4
	Junior	113	2.21	.995	.094	2.03	2.40	1	4
	Senior	135	2.36	.982	.085	2.20	2.53	1	4
	Grad Student	45	2.40	.963	.144	2.11	2.69	1	4
	Total	445	2.38	.996	.047	2.28	2.47	1	4
(Q5c)Movie Items: How important in your selection of a movie theatre is: Plentiful restrooms	Freshman	71	2.90	.988	.117	2.67	3.14	1	4
	Sophomore	81	3.28	.884	.098	3.09	3.48	1	4
	Junior	112	2.87	.982	.093	2.68	3.05	1	4
	Senior	136	2.94	.884	.076	2.79	3.09	1	4
	Grad Student	46	3.07	.998	.147	2.77	3.36	1	4
	Total	446	2.99	.946	.045	2.90	3.08	1	4
(Q5d)Movie Items: How important in your selection of a movie theatre is: Comfortable chairs	Freshman	71	3.69	.600	.071	3.55	3.83	1	4
	Sophomore	81	3.72	.480	.053	3.61	3.82	2	4
	Junior	113	3.65	.596	.056	3.53	3.76	1	4
	Senior	136	3.63	.594	.051	3.53	3.73	1	4

		N	Mean	Std. Deviation	Std. Error	95% CI Lower Bound	95% CI Upper Bound	Minimum	Maximum
	Grad Student	47	3.62	.677	.099	3.42	3.82	1	4
	Total	448	3.66	.585	.028	3.60	3.71	1	4
(Q5e)Movie Items: How important in your selection of a movie theatre is: Auditorium type seating	Freshman	71	3.41	.838	.099	3.21	3.61	1	4
	Sophomore	81	3.31	.917	.102	3.11	3.51	1	4
	Junior	113	3.39	.700	.066	3.26	3.52	1	4
	Senior	136	3.34	.781	.067	3.21	3.47	1	4
	Grad Student	47	3.38	.768	.112	3.16	3.61	1	4
	Total	448	3.36	.793	.037	3.29	3.44	1	4
(Q5f)Movie Items: How important in your selection of a movie theatre is: Size of screen(s)	Freshman	71	3.42	.856	.102	3.22	3.63	1	4
	Sophomore	81	3.37	.843	.094	3.18	3.56	1	4
	Junior	113	3.53	.613	.058	3.42	3.65	1	4
	Senior	136	3.49	.667	.057	3.38	3.61	1	4
	Grad Student	46	3.30	.785	.116	3.07	3.54	1	4
	Total	447	3.45	.735	.035	3.38	3.52	1	4
(Q5g)Movie Items: How important in your selection of a movie theatre is: Quality of sound system	Freshman	70	3.60	.710	.085	3.43	3.77	1	4
	Sophomore	80	3.49	.763	.085	3.32	3.66	1	4
	Junior	113	3.63	.601	.056	3.52	3.74	1	4
	Senior	135	3.59	.626	.054	3.49	3.70	1	4
	Grad Student	47	3.43	.744	.109	3.21	3.64	1	4
	Total	445	3.57	.673	.032	3.50	3.63	1	4
(Q5h)Movie Items: How important in your selection of a movie theatre is: Number of...	Freshman	71	2.82	.899	.107	2.60	3.03	1	4
	Sophomore	81	2.89	.837	.093	2.70	3.07	1	4
	Junior	113	2.92	.918	.086	2.75	3.09	1	4

		N	Mean	Std. Dev	Std. Error	Lower	Upper	Min	Max
Number of screens available	Senior	135	2.79	.850	.073	2.64	2.93	1	4
	Grad Student	47	2.57	.927	.135	2.30	2.85	1	4
	Total	447	2.82	.883	.042	2.74	2.90	1	4
(Q5i)Movie Items: How important in your selection of a movie theatre is: Clean restrooms	Freshman	71	3.54	.808	.096	3.34	3.73	1	4
	Sophomore	81	3.59	.771	.086	3.42	3.76	1	4
	Junior	113	3.53	.791	.074	3.38	3.68	1	4
	Senior	136	3.49	.688	.059	3.38	3.61	1	4
	Grad Student	47	3.47	.830	.121	3.22	3.71	1	4
	Total	448	3.52	.762	.036	3.45	3.60	1	4

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
(Q5a)Movie Items: How important in your selection of a movie theatre is: video arcade at the Movie Theatre	Between Groups	1.067	4	.267	.766	.548
	Within Groups	154.007	442	.348		
	Total	155.074	446			
(Q5b)Movie Items: How important in your selection of a movie theatre is: Soft drinks and food	Between Groups	7.320	4	1.830	1.860	.117
	Within Groups	433.008	440	.984		
	Total	440.328	444			
(Q5c)Movie Items: How important in your selection of a movie theatre is: Plentiful restrooms	Between Groups	9.860	4	2.465	2.801	.026
	Within Groups	388.104	441	.880		
	Total	397.964	445			
(Q5d)Movie Items: How important in your selection of a movie theatre is: Comfortable chairs	Between Groups	.531	4	.133	.386	.819
	Within Groups	152.217	443	.344		
	Total	152.748	447			

			df			
(Q5e)Movie Items: How important in your selection of a movie theatre is: Auditorium type seating	Between Groups	.566	4	.141	.223	.925
	Within Groups	280.854	443	.634		
	Total	281.420	447			
(Q5f)Movie Items: How important in your selection of a movie theatre is: Size of screen(s)	Between Groups	2.531	4	.633	1.175	.321
	Within Groups	238.086	442	.539		
	Total	240.617	446			
(Q5g)Movie Items: How important in your selection of a movie theatre is: Quality of sound system	Between Groups	2.036	4	.509	1.124	.345
	Within Groups	199.259	440	.453		
	Total	201.294	444			
(Q5h)Movie Items: How important in your selection of a movie theatre is: Number of screens available	Between Groups	4.520	4	1.130	1.455	.215
	Within Groups	343.163	442	.776		
	Total	347.682	446			
(Q5i)Movie Items: How important in your selection of a movie theatre is: Clean restrooms	Between Groups	.676	4	.169	.289	.885
	Within Groups	259.054	443	.585		
	Total	259.730	447			

ANOVA Effect Sizes[a,b]

		Point Estimate	95% Confidence Interval	
			Lower	Upper
(Q5a)Movie Items: How important in your selection of a movie theatre is: video arcade at the Movie Theatre	Eta-squared	.007	.000	.020
	Epsilon-squared	-.002	-.009	.011
	Omega-squared Fixed-effect	-.002	-.009	.011
	Omega-squared Random-effect	-.001	-.002	.003
(Q5b)Movie Items: How important in your selection of a movie	Eta-squared	.017	.000	.039
	Epsilon-squared	.008	-.009	.030

theatre is: Soft drinks and food	Omega-squared Fixed-effect	.008	-.009	.030
	Omega-squared Random-effect	.002	-.002	.008
(Q5c)Movie Items: How important in your selection of a movie theatre is: Plentiful restrooms	Eta-squared	.025	.000	.052
	Epsilon-squared	.016	-.009	.043
	Omega-squared Fixed-effect	.016	-.009	.043
	Omega-squared Random-effect	.004	-.002	.011
(Q5d)Movie Items: How important in your selection of a movie theatre is: Comfortable chairs	Eta-squared	.003	.000	.011
	Epsilon-squared	-.006	-.009	.002
	Omega-squared Fixed-effect	-.006	-.009	.002
	Omega-squared Random-effect	-.001	-.002	.001
(Q5e)Movie Items: How important in your selection of a movie theatre is: Auditorium type seating	Eta-squared	.002	.000	.006
	Epsilon-squared	-.007	-.009	-.003
	Omega-squared Fixed-effect	-.007	-.009	-.003
	Omega-squared Random-effect	-.002	-.002	-.001
(Q5f)Movie Items: How important in your selection of a movie theatre is: Size of screen(s)	Eta-squared	.011	.000	.028
	Epsilon-squared	.002	-.009	.019
	Omega-squared Fixed-effect	.002	-.009	.019
	Omega-squared Random-effect	.000	-.002	.005
(Q5g)Movie Items: How important in your selection of a movie theatre is: Quality of sound system	Eta-squared	.010	.000	.027
	Epsilon-squared	.001	-.009	.018
	Omega-squared Fixed-effect	.001	-.009	.018
	Omega-squared Random-effect	.000	-.002	.005
(Q5h)Movie Items: How important in your selection of a movie theatre is: Number of screens available	Eta-squared	.013	.000	.033
	Epsilon-squared	.004	-.009	.024
	Omega-squared Fixed-effect	.004	-.009	.024

	Omega-squared Random-effect	.001	-.002	.006
(Q5i)Movie Items: How important in your selection of a movie theatre is: Clean restrooms	Eta-squared	.003	.000	.008
	Epsilon-squared	-.006	-.009	-.001
	Omega-squared Fixed-effect	-.006	-.009	-.001
	Omega-squared Random-effect	-.002	-.002	.000

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

b. Negative but less biased estimates are retained, not rounded to zero.