

ONEWAY Depression Anxiety Psychopathy BY Workplace
 /STATISTICS DESCRIPTIVES HOMOGENEITY BROWNFORSYTHE
 /MISSING ANALYSIS
 /POSTHOC=TUKEY ALPHA(0.05).

Oneway

Notes

Output Created		15-APR-2020 20:13:...
Comments		
Input	Data	/Users/nathanielstafford/OneDrive - University of Central Oklahoma/Teaching/PSY 3713 Spring 2020/Final Project/Final_Project.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	94
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 Depression Anxiety Psychopathy BY Workplace /STATISTICS DESCRIPTIVES HOMOGENEITY BROWNFORSYTHE /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.00

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence ... Lower Bound
Depression	Black Mesa	14	60.2857	12.33150	3.29573	53.1657
	Aperture Science	15	143.4667	13.18477	3.40429	136.1652
	Citadel	11	105.0000	25.23093	7.60741	88.0496
	Total	40	103.7750	39.51727	6.24823	91.1368
Anxiety	Black Mesa	14	43.0000	15.29203	4.08697	34.1706
	Aperture Science	15	99.6000	9.01427	2.32748	94.6081
	Citadel	11	48.5455	25.56311	7.70757	31.3719
	Total	40	65.7500	31.37919	4.96149	55.7144
Psychopathy	Black Mesa	14	3.7143	.91387	.24424	3.1866
	Aperture Science	15	3.1333	1.50555	.38873	2.2996
	Citadel	11	8.8182	.98165	.29598	8.1587
	Total	40	4.9000	2.71558	.42937	4.0315

Descriptives

		95% Confidence Interval for ... Upper Bound	Minimum	Maximum
Depression	Black Mesa	67.4057	41.00	75.00
	Aperture Science	150.7681	130.00	176.00
	Citadel	121.9504	50.00	128.00
	Total	116.4132	41.00	176.00
Anxiety	Black Mesa	51.8294	20.00	63.00
	Aperture Science	104.5919	85.00	110.00
	Citadel	65.7190	21.00	80.00
	Total	75.7856	20.00	110.00
Psychopathy	Black Mesa	4.2419	2.00	5.00
	Aperture Science	3.9671	1.00	5.00
	Citadel	9.4777	7.00	10.00
	Total	5.7685	1.00	10.00

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Depression	4.116	2	37	.024
Anxiety	34.145	2	37	.000
Psychopathy	2.466	2	37	.099

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Depression	Between Groups	50126.385	2	25063.192	86.051	.000
	Within Groups	10776.590	37	291.259		
	Total	60902.975	39			
Anxiety	Between Groups	27689.173	2	13844.586	47.819	.000
	Within Groups	10712.327	37	289.522		
	Total	38401.500	39			
Psychopathy	Between Groups	235.373	2	117.687	83.375	.000
	Within Groups	52.227	37	1.412		
	Total	287.600	39			

Robust Tests of Equality of Means

		Statistic ^a	df1	df2	Sig.
Depression	Brown-Forsythe	74.924	2	19.549	.000
Anxiety	Brown-Forsythe	40.927	2	18.754	.000
Psychopathy	Brown-Forsythe	88.547	2	32.890	.000

a. Asymptotically F distributed.

Post Hoc Tests

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Workplace	(J) Workplace	Mean Difference (I-J)	Std. Error	Sig.
Depression	Black Mesa	Aperture Science	-83.18095 *	6.34204	.000
		Citadel	-44.71429 *	6.87622	.000
	Aperture Science	Black Mesa	83.18095 *	6.34204	.000
		Citadel	38.46667 *	6.77461	.000
	Citadel	Black Mesa	44.71429 *	6.87622	.000
		Aperture Science	-38.46667 *	6.77461	.000
Anxiety	Black Mesa	Aperture Science	-56.60000 *	6.32311	.000
		Citadel	-5.54545	6.85568	.700
	Aperture Science	Black Mesa	56.60000 *	6.32311	.000
		Citadel	51.05455 *	6.75438	.000
	Citadel	Black Mesa	5.54545	6.85568	.700
		Aperture Science	-51.05455 *	6.75438	.000
Psychopathy	Black Mesa	Aperture Science	.58095	.44150	.396
		Citadel	-5.10390 *	.47869	.000
	Aperture Science	Black Mesa	-.58095	.44150	.396
		Citadel	-5.68485 *	.47162	.000
	Citadel	Black Mesa	5.10390 *	.47869	.000
		Aperture Science	5.68485 *	.47162	.000

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Workplace	(J) Workplace	95% Confidence Interval	
			Lower Bound	Upper Bound
Depression	Black Mesa	Aperture Science	-98.6650	-67.6969
		Citadel	-61.5025	-27.9261
	Aperture Science	Black Mesa	67.6969	98.6650
		Citadel	21.9265	55.0068
	Citadel	Black Mesa	27.9261	61.5025
		Aperture Science	-55.0068	-21.9265
Anxiety	Black Mesa	Aperture Science	-72.0378	-41.1622
		Citadel	-22.2835	11.1926
	Aperture Science	Black Mesa	41.1622	72.0378
		Citadel	34.5638	67.5453
	Citadel	Black Mesa	-11.1926	22.2835
		Aperture Science	-67.5453	-34.5638
Psychopathy	Black Mesa	Aperture Science	-.4970	1.6589
		Citadel	-6.2726	-3.9352
	Aperture Science	Black Mesa	-1.6589	.4970
		Citadel	-6.8363	-4.5334
	Citadel	Black Mesa	3.9352	6.2726
		Aperture Science	4.5334	6.8363

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

Depression

Tukey HSD^{a,b}

Workplace	N	Subset for alpha = 0.05		
		1	2	3
Black Mesa	14	60.2857		
Citadel	11		105.0000	
Aperture Science	15			143.4667
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 13.100.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Anxiety

Tukey HSD^{a,b}

Workplace	N	Subset for alpha = 0.05	
		1	2
Black Mesa	14	43.0000	
Citadel	11	48.5455	
Aperture Science	15		99.6000
Sig.		.684	1.000

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 13.100.
- The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Psychopathy

Tukey HSD^{a,b}

Workplace	N	Subset for alpha = 0.05	
		1	2
Aperture Science	15	3.1333	
Black Mesa	14	3.7143	
Citadel	11		8.8182
Sig.		.431	1.000

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 13.100.
- The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.