Frequencies

Notes

Output Created		16-JUN-2024 16:38:32
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=Condition /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Statistics

Condition

N	Valid	48
	Missing	0

Condition

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	13	27.1	27.1	27.1
	2	11	22.9	22.9	50.0
	3	12	25.0	25.0	75.0
	4	12	25.0	25.0	100.0
	Total	48	100.0	100.0	

Explore

Notes

Output Created		16-JUN-2024 16:38:43
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=Age /PLOT NONE /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE...
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Age	48	100.0%	0	0.0%	48	100.0%

Descriptives

			Statistic	Std. Error
Age	Mean		27.98	1.682
	95% Confidence Interval for Mean	Lower Bound	24.59	
		Upper Bound	31.36	
	5% Trimmed Mean		26.25	
	Median		24.00	
	Variance		135.851	
	Std. Deviation		11.655	
	Minimum		19	
	Maximum		74	
	Range		55	
	Interquartile Range		5	
	Skewness		2.589	.343
	Kurtosis		6.602	.674

Frequencies

Notes

Output Created		16-JUN-2024 16:40:01
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=Gender Ethinicity Education Employment Major Hand UGV_Familiarity UGV_Prior_Experience /ORDER=ANALYSIS.

Notes

Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Statistics

		Gender	Ethinicity	Education	Employment	Major	Hand
N	Valid	48	48	48	48	48	48
	Missing	0	0	0	0	0	0

Statistics

		UGV_Familiarity	UGV_Prior_Experience
N	Valid	48	48
	Missing	0	0

Frequency Table

Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Female	22	45.8	45.8	45.8
	Male	25	52.1	52.1	97.9
	Non-binary	1	2.1	2.1	100.0
	Total	48	100.0	100.0	

Ethinicity

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Asian	24	50.0	50.0	50.0
	Black or African American	2	4.2	4.2	54.2
	Hispanic or Latino	1	2.1	2.1	56.3
	White or Caucasian	20	41.7	41.7	97.9
	White or Caucasian,Hispanic or Latino	1	2.1	2.1	100.0
	Total	48	100.0	100.0	

Education

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Associate degree in college (2-year)	1	2.1	2.1	2.1
	Bachelor's degree in college (4-year)	24	50.0	50.0	52.1
	High school graduate (high school diploma or equivalent including GED)	3	6.3	6.3	58.3
	Master's degree	15	31.3	31.3	89.6
	Some college but no degree	5	10.4	10.4	100.0
	Total	48	100.0	100.0	

Employment

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Employed full-time (40+ hours a week)	13	27.1	27.1	27.1
	Employed part-time (less than 40 hours a week)	2	4.2	4.2	31.3
	Retired	3	6.3	6.3	37.5
	Student	29	60.4	60.4	97.9
	Unemployed (currently looking for work)	1	2.1	2.1	100.0
	Total	48	100.0	100.0	

Major

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	-1	19	39.6	39.6	39.6
	0	3	6.3	6.3	45.8
	1	26	54.2	54.2	100.0
	Total	48	100.0	100.0	

Hand

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Left	3	6.3	6.3	6.3
	Right	45	93.8	93.8	100.0
	Total	48	100.0	100.0	

UGV_Familiarity

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Moderately familiar	9	18.8	18.8	18.8
	Not familiar at all	16	33.3	33.3	52.1
	Slightly familiar	22	45.8	45.8	97.9
	Very familiar	1	2.1	2.1	100.0
	Total	48	100.0	100.0	

UGV_Prior_Experience

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little	2	4.2	4.2	4.2
	A moderate amount	2	4.2	4.2	8.3
	nan	44	91.7	91.7	100.0
	Total	48	100.0	100.0	

Explore

Notes

Output Created		16-JUN-2024 16:46:56
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.

Notes

Syntax		EXAMINE VARIABLES=Attention_score Attention_extra_score /PLOT BOXPLOT STEMLEAF /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:02.00
	Elapsed Time	00:00:00.61

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Attention_score	48	100.0%	0	0.0%	48	100.0%
Attention_extra_score	48	100.0%	0	0.0%	48	100.0%

Descriptives

			Statistic	Std. Error
Attention_score	Mean		92.969	1.1714
	95% Confidence Interval for Mean	Lower Bound	90.612	
		Upper Bound	95.325	
	5% Trimmed Mean		93.576	
	Median		100.000	
	Variance		65.866	
	Std. Deviation		8.1158	
	Minimum		75.0	
	Maximum		100.0	
	Range		25.0	
	Interquartile Range		12.5	
	Skewness		-.732	.343
	Kurtosis		-.443	.674
Attention_extra_score	Mean		47.396	7.3598
	95% Confidence Interval for Mean	Lower Bound	32.590	
		Upper Bound	62.202	
	5% Trimmed Mean		47.162	
	Median		-1.000	
	Variance		2599.989	

Descriptives

		Statistic	Std. Error
	Std. Deviation	50.9901	
	Minimum	-1.0	
	Maximum	100.0	
	Range	101.0	
	Interquartile Range	101.0	
	Skewness	.086	.343
	Kurtosis	-2.081	.674

Attention_score

Attention_score Stem-and-Leaf Plot

```
 Frequency    Stem &  Leaf

    .00     7.
   4.00       7 . 5555
    .00     8.
   19.00       8 .  7777777777777777777
    .00     9.
    .00     9.
   25.00      10 .  0000000000000000000000000

 Stem width:   10.0
 Each leaf:       1 case(s)
```

Attention_extra_score

Attention_extra_score Stem-and-Leaf Plot

```
 Frequency    Stem &  Leaf

   25.00       -0 .  1111111111111111111111111
    .00     0.
    .00     1.
    .00     2.
    .00     3.
    .00     4.
    .00     5.
    .00     6.
    .00     7.
    .00     8.
    .00     9.
   23.00      10 .  00000000000000000000000

 Stem width:   10.0
 Each leaf:       1 case(s)
```

Explore

Notes

Output Created		16-JUN-2024 16:50:07
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=Pre_SMM BY SMM_level /PLOT NONE /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

SMM_level

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	SMM_level	N	Percent	N	Percent	N	Percent
Pre_SMM	high	24	100.0%	0	0.0%	24	100.0%
	low	24	100.0%	0	0.0%	24	100.0%

Descriptives

	SMM_level			Statistic	Std. Error
Pre_SMM	high	Mean		3.96	.042
		95% Confidence Interval for Mean	Lower Bound	3.87	
			Upper Bound	4.04	
		5% Trimmed Mean		4.00	
		Median		4.00	
		Variance		.042	
		Std. Deviation		.204	
		Minimum		3	
		Maximum		4	
		Range		1	
		Interquartile Range		0	
		Skewness		-4.899	.472
		Kurtosis		24.000	.918
	low	Mean		.96	.153
		95% Confidence Interval for Mean	Lower Bound	.64	
			Upper Bound	1.28	
		5% Trimmed Mean		.95	
		Median		1.00	
		Variance		.563	
		Std. Deviation		.751	
		Minimum		0	
		Maximum		2	
		Range		2	
		Interquartile Range		2	
		Skewness		.070	.472
		Kurtosis		-1.128	.918

Explore

Notes

Output Created		16-JUN-2024 16:50:35
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=Pre_SMM /PLOT NONE /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Pre_SMM	48	100.0%	0	0.0%	48	100.0%

Descriptives

			Statistic	Std. Error
Pre_SMM	Mean		2.46	.232
	95% Confidence Interval for Mean	Lower Bound	1.99	
		Upper Bound	2.93	
	5% Trimmed Mean		2.51	
	Median		2.50	
	Variance		2.594	
	Std. Deviation		1.611	
	Minimum		0	
	Maximum		4	
	Range		4	
	Interquartile Range		3	
	Skewness		-.288	.343
	Kurtosis		-1.636	.674

NPar Tests

Notes

Output Created		16-JUN-2024 17:35:32
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_d emodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.

Notes

Syntax		NPAR TESTS /M-W= Pre_SMM BY SMM_high(0 1) /STATISTICS=DESCRIPTIVES /MISSING ANALYSIS /METHOD=EXACT TIMER(5).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.22
	Number of Cases Allowed[a]	449389
	Time for Exact Statistics	0:00:00.07

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Pre_SMM	48	2.46	1.611	0	4
SMM_high	48	.5000	.50529	.00	1.00

Mann-Whitney Test

Ranks

	SMM_high	N	Mean Rank	Sum of Ranks
Pre_SMM	.00	24	12.50	300.00
	1.00	24	36.50	876.00
	Total	48		

Test Statistics[a]

	Pre_SMM
Mann-Whitney U	.000
Wilcoxon W	300.000
Z	-6.355
Asymp. Sig. (2-tailed)	<.001
Exact Sig. (2-tailed)	<.001
Exact Sig. (1-tailed)	<.001
Point Probability	.000

a. Grouping Variable: SMM_high

Explore

Notes

Output Created		16-JUN-2024 17:37:04
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=Comm_2items BY Comm_level /PLOT NONE /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Comm_level

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Comm_level	N	Percent	N	Percent	N	Percent
Comm_2items	high	23	100.0%	0	0.0%	23	100.0%
	low	25	100.0%	0	0.0%	25	100.0%

Descriptives

	Comm_level			Statistic	Std. Error
Comm_2items	high	Mean		1.804	.2568
		95% Confidence Interval for Mean	Lower Bound	1.272	
			Upper Bound	2.337	
		5% Trimmed Mean		1.651	
		Median		1.500	
		Variance		1.517	
		Std. Deviation		1.2316	
		Minimum		1.0	
		Maximum		5.5	
		Range		4.5	
		Interquartile Range		1.0	
		Skewness		1.996	.481
		Kurtosis		3.482	.935
	low	Mean		1.620	.1589
		95% Confidence Interval for Mean	Lower Bound	1.292	
			Upper Bound	1.948	
		5% Trimmed Mean		1.550	
		Median		1.500	
		Variance		.631	
		Std. Deviation		.7943	
		Minimum		1.0	
		Maximum		3.5	
		Range		2.5	
		Interquartile Range		1.0	
		Skewness		1.266	.464
		Kurtosis		.766	.902

Explore

Notes

Output Created		16-JUN-2024 17:37:28
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=Comm_2items /PLOT NONE /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Comm_2items	48	100.0%	0	0.0%	48	100.0%

Descriptives

			Statistic	Std. Error
Comm_2items	Mean		1.708	.1473
	95% Confidence Interval for Mean	Lower Bound	1.412	
		Upper Bound	2.005	
	5% Trimmed Mean		1.574	
	Median		1.500	
	Variance		1.041	
	Std. Deviation		1.0202	
	Minimum		1.0	
	Maximum		5.5	
	Range		4.5	
	Interquartile Range		1.0	
	Skewness		1.976	.343
	Kurtosis		4.045	.674

NPar Tests

Notes

Output Created		16-JUN-2024 17:38:49
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_d emodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.

Notes

Syntax		NPAR TESTS /M-W= Comm_2items BY Comm_high(0 1) /STATISTICS=DESCRIPTIVES /MISSING ANALYSIS /METHOD=EXACT TIMER(5).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01
	Number of Cases Allowed[a]	449389
	Time for Exact Statistics	0:00:00.00

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Comm_2items	48	1.708	1.0202	1.0	5.5
Comm_high	48	.4792	.50485	.00	1.00

Mann-Whitney Test

Ranks

	Comm_high	N	Mean Rank	Sum of Ranks
Comm_2items	.00	25	24.24	606.00
	1.00	23	24.78	570.00
	Total	48		

Test Statistics[a]

	Comm_2items
Mann-Whitney U	281.000
Wilcoxon W	606.000
Z	-.143
Asymp. Sig. (2-tailed)	.886
Exact Sig. (2-tailed)	.891
Exact Sig. (1-tailed)	.446
Point Probability	.004

a. Grouping Variable: Comm_high

Reliability

Notes

Output Created		16-JUN-2024 17:39:41
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=Comm_Item2 Comm_Item3 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA /STATISTICS=DESCRIPTIVE SCALE CORR /SUMMARY=TOTAL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	48	100.0
	Excluded[a]	0	.0
	Total	48	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.878	.878	2

Item Statistics

	Mean	Std. Deviation	N
Comm_Item2	1.73	1.086	48
Comm_Item3	1.69	1.075	48

Inter-Item Correlation Matrix

	Comm_Item2	Comm_Item3
Comm_Item2	1.000	.782
Comm_Item3	.782	1.000

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
Comm_Item2	1.69	1.156	.782	.612	.
Comm_Item3	1.73	1.180	.782	.612	.

Scale Statistics

Mean	Variance	Std. Deviation	N of Items
3.42	4.163	2.040	2

Univariate Analysis of Variance

Notes

Output Created		16-JUN-2024 17:46:14
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA z_TSA_ALL BY SMM_level Comm_level /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /EMMEANS=TABLES (SMM_level) COMPARE ADJ(LSD) /EMMEANS=TABLES (Comm_level) COMPARE ADJ(LSD) /EMMEANS=TABLES (SMM_level*Comm_level) COMPARE(SMM_level) ADJ(LSD) /EMMEANS=TABLES (SMM_level*Comm_level) COMPARE(Comm_level) ADJ(LSD) /PRINT ETASQ DESCRIPTIVE PARAMETER HOMOGENEITY /CRITERIA=ALPHA(.05) /DESIGN=SMM_level Comm_level ...
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Between-Subjects Factors

		N
SMM_level	high	24
	low	24
Comm_level	high	23
	low	25

Descriptive Statistics

Dependent Variable: z_TSA_ALL

SMM_level	Comm_level	Mean	Std. Deviation	N
high	high	.01454088768	1.1574400453	12
	low	.59617639488	.96245858852	12
	Total	.30535864128	1.0825841287	24
low	high	.22075711296	.65203578467	11
	low	-.7505335103	.68895626218	13
	Total	-.3053586413	.82273561991	24
Total	high	.11316603890	.93497462203	23
	low	-.1041127558	1.0646313267	25
	Total	.00000000000	1.0000000000	48

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
z_TSA_ALL	Based on Mean	1.694	3	44	.182
	Based on Median	1.000	3	44	.402
	Based on Median and with adjusted df	1.000	3	35.382	.404
	Based on trimmed mean	1.691	3	44	.183

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: z_TSA_ALL

b. Design: Intercept + SMM_level + Comm_level + SMM_level * Comm_level

Tests of Between-Subjects Effects

Dependent Variable: z_TSA_ALL

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	12.127[a]	3	4.042	5.100	.004
Intercept	.020	1	.020	.025	.876
SMM_level	3.889	1	3.889	4.906	.032
Comm_level	.454	1	.454	.573	.453
SMM_level * Comm_level	7.210	1	7.210	9.096	.004
Error	34.873	44	.793		
Total	47.000	48			
Corrected Total	47.000	47			

Tests of Between-Subjects Effects

Dependent Variable: z_TSA_ALL

Source	Partial Eta Squared
Corrected Model	.258
Intercept	.001
SMM_level	.100
Comm_level	.013
SMM_level * Comm_level	.171
Error	
Total	
Corrected Total	

a. R Squared = .258 (Adjusted R Squared = .207)

Parameter Estimates

Dependent Variable: z_TSA_ALL

Parameter	B	Std. Error	t	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Intercept	-.751	.247	-3.040	.004	-1.248	-.253
[SMM_level=high]	1.347	.356	3.779	<.001	.628	2.065
[SMM_level=low]	0[a]	.	.	.	.	.
[Comm_level=high]	.971	.365	2.663	.011	.236	1.706
[Comm_level=low]	0[a]	.	.	.	.	.
[SMM_level=high] * [Comm_level=high]	-1.553	.515	-3.016	.004	-2.591	-.515
[SMM_level=high] * [Comm_level=low]	0[a]	.	.	.	.	.
[SMM_level=low] * [Comm_level=high]	0[a]	.	.	.	.	.
[SMM_level=low] * [Comm_level=low]	0[a]	.	.	.	.	.

Parameter Estimates

Dependent Variable: z_TSA_ALL

Parameter	Partial Eta Squared
Intercept	.174
[SMM_level=high]	.245
[SMM_level=low]	.
[Comm_level=high]	.139
[Comm_level=low]	.
[SMM_level=high] * [Comm_level=high]	.171
[SMM_level=high] * [Comm_level=low]	.
[SMM_level=low] * [Comm_level=high]	.
[SMM_level=low] * [Comm_level=low]	.

a. This parameter is set to zero because it is redundant.

Estimated Marginal Means

1. SMM_level

Estimates

Dependent Variable: z_TSA_ALL

SMM_level	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
high	.305	.182	-.061	.672
low	-.265	.182	-.632	.103

Pairwise Comparisons

Dependent Variable: z_TSA_ALL

(I) SMM_level	(J) SMM_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
high	low	.570*	.257	.032	.051	1.089
low	high	-.570*	.257	.032	-1.089	-.051

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: z_TSA_ALL

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	3.889	1	3.889	4.906	.032	.100
Error	34.873	44	.793			

The F tests the effect of SMM_level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

2. Comm_level

Estimates

Dependent Variable: z_TSA_ALL

Comm_level	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
high	.118	.186	-.257	.492
low	-.077	.178	-.436	.282

Pairwise Comparisons

Dependent Variable: z_TSA_ALL

(I) Comm_level	(J) Comm_level	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for [a]... Lower Bound
high	low	.195	.257	.453	-.324
low	high	-.195	.257	.453	-.714

Pairwise Comparisons

Dependent Variable: z_TSA_ALL

(I) Comm_level	(J) Comm_level	95% Confidence Interval for [a]... Upper Bound
high	low	.714
low	high	.324

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: z_TSA_ALL

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	.454	1	.454	.573	.453	.013
Error	34.873	44	.793			

The F tests the effect of Comm_level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. SMM_level * Comm_level

Estimates

Dependent Variable: z_TSA_ALL

SMM_level	Comm_level	Mean	Std. Error	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
high	high	.015	.257	-.503	.532
	low	.596	.257	.078	1.114
low	high	.221	.268	-.320	.762
	low	-.751	.247	-1.248	-.253

Pairwise Comparisons

Dependent Variable: z_TSA_ALL

Comm_level	(I) SMM_level	(J) SMM_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]... Lower Bound
high	high	low	-.206	.372	.582	-.955
	low	high	.206	.372	.582	-.543
low	high	low	1.347*	.356	<.001	.628
	low	high	-1.347*	.356	<.001	-2.065

Pairwise Comparisons

Dependent Variable: z_TSA_ALL

Comm_level	(I) SMM_level	(J) SMM_level	95% Confidence Interval for [b]... Upper Bound
high	high	low	.543
	low	high	.955
low	high	low	2.065
	low	high	-.628

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: z_TSA_ALL

Comm_level		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
high	Contrast	.244	1	.244	.308	.582	.007
	Error	34.873	44	.793			
low	Contrast	11.317	1	11.317	14.279	<.001	.245
	Error	34.873	44	.793			

Each F tests the simple effects of SMM_level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

4. SMM_level * Comm_level

Estimates

Dependent Variable: z_TSA_ALL

SMM_level	Comm_level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
high	high	.015	.257	-.503	.532
	low	.596	.257	.078	1.114
low	high	.221	.268	-.320	.762
	low	-.751	.247	-1.248	-.253

Pairwise Comparisons

Dependent Variable: z_TSA_ALL

SMM_level	(I) Comm_level	(J) Comm_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]...
						Lower Bound
high	high	low	-.582	.363	.117	-1.314
	low	high	.582	.363	.117	-.151
low	high	low	.971*	.365	.011	.236
	low	high	-.971*	.365	.011	-1.706

Pairwise Comparisons

Dependent Variable: z_TSA_ALL

SMM_level	(I) Comm_level	(J) Comm_level	95% Confidence Interval for [b]...
			Upper Bound
high	high	low	.151
	low	high	1.314
low	high	low	1.706
	low	high	-.236

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: z_TSA_ALL

SMM_level		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
high	Contrast	2.030	1	2.030	2.561	.117	.055
	Error	34.873	44	.793			
low	Contrast	5.621	1	5.621	7.092	.011	.139
	Error	34.873	44	.793			

Each F tests the simple effects of Comm_level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

Univariate Analysis of Variance

Notes

Output Created		16-JUN-2024 17:48:04
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Notes

Syntax		UNIANOVA TSA_ALL BY SMM_level Comm_level /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /EMMEANS=TABLES (SMM_level) COMPARE ADJ(LSD) /EMMEANS=TABLES (Comm_level) COMPARE ADJ(LSD) /EMMEANS=TABLES (SMM_level*Comm_level) COMPARE(SMM_level) ADJ(LSD) /EMMEANS=TABLES (SMM_level*Comm_level) COMPARE(Comm_level) ADJ(LSD) /PRINT ETASQ DESCRIPTIVE PARAMETER HOMOGENEITY /CRITERIA=ALPHA(.05) /DESIGN=SMM_level Comm_level SMM_level*Comm_level.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Between-Subjects Factors

		N
SMM_level	high	24
	low	24
Comm_level	high	23
	low	25

Descriptive Statistics

Dependent Variable: TSA_ALL

SMM_level	Comm_level	Mean	Std. Deviation	N
high	high	94.166666667	5.5277079839	12
	low	96.944444444	4.5965145630	12
	Total	95.555555556	5.1702107215	24
low	high	95.151515152	3.1139957766	11
	low	90.512820513	3.2903207786	13
	Total	92.638888889	3.9292249075	24
Total	high	94.637681159	4.4652564977	23
	low	93.600000000	5.0844716394	25
	Total	94.097222222	4.7758050246	48

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
TSA_ALL	Based on Mean	1.694	3	44	.182
	Based on Median	1.000	3	44	.402
	Based on Median and with adjusted df	1.000	3	35.382	.404
	Based on trimmed mean	1.691	3	44	.183

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: TSA_ALL

b. Design: Intercept + SMM_level + Comm_level + SMM_level * Comm_level

Tests of Between-Subjects Effects

Dependent Variable: TSA_ALL

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	276.588[a]	3	92.196	5.100	.004
Intercept	424395.312	1	424395.312	23476.652	<.001
SMM_level	88.692	1	88.692	4.906	.032
Comm_level	10.353	1	10.353	.573	.453
SMM_level * Comm_level	164.437	1	164.437	9.096	.004
Error	795.403	44	18.077		
Total	426077.778	48			
Corrected Total	1071.991	47			

Tests of Between-Subjects Effects

Dependent Variable: TSA_ALL

Source	Partial Eta Squared
Corrected Model	.258
Intercept	.998
SMM_level	.100
Comm_level	.013
SMM_level * Comm_level	.171
Error	
Total	
Corrected Total	

a. R Squared = .258 (Adjusted R Squared = .207)

Parameter Estimates

Dependent Variable: TSA_ALL

Parameter	B	Std. Error	t	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Intercept	90.513	1.179	76.756	<.001	88.136	92.889
[SMM_level=high]	6.432	1.702	3.779	<.001	3.001	9.862
[SMM_level=low]	0[a]	.	.	.	.	.
[Comm_level=high]	4.639	1.742	2.663	.011	1.128	8.149
[Comm_level=low]	0[a]	.	.	.	.	.
[SMM_level=high] * [Comm_level=high]	-7.416	2.459	-3.016	.004	-12.372	-2.461
[SMM_level=high] * [Comm_level=low]	0[a]	.	.	.	.	.
[SMM_level=low] * [Comm_level=high]	0[a]	.	.	.	.	.
[SMM_level=low] * [Comm_level=low]	0[a]	.	.	.	.	.

Parameter Estimates

Dependent Variable: TSA_ALL

Parameter	Partial Eta Squared
Intercept	.993
[SMM_level=high]	.245
[SMM_level=low]	.
[Comm_level=high]	.139
[Comm_level=low]	.
[SMM_level=high] * [Comm_level=high]	.171
[SMM_level=high] * [Comm_level=low]	.
[SMM_level=low] * [Comm_level=high]	.
[SMM_level=low] * [Comm_level=low]	.

a. This parameter is set to zero because it is redundant.

Estimated Marginal Means

1. SMM_level

Estimates

Dependent Variable: TSA_ALL

SMM_level	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
high	95.556	.868	93.806	97.305
low	92.832	.871	91.077	94.587

Pairwise Comparisons

Dependent Variable: TSA_ALL

(I) SMM_level	(J) SMM_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
high	low	2.723*	1.230	.032	.245	5.201
low	high	-2.723*	1.230	.032	-5.201	-.245

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TSA_ALL

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	88.692	1	88.692	4.906	.032	.100
Error	795.403	44	18.077			

The F tests the effect of SMM_level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

2. Comm_level

Estimates

Dependent Variable: TSA_ALL

			95% Confidence Interval	
Comm_level	Mean	Std. Error	Lower Bound	Upper Bound
high	94.659	.887	92.871	96.448
low	93.729	.851	92.013	95.444

Pairwise Comparisons

Dependent Variable: TSA_ALL

					95% Confidence Interval for [a]...
(I) Comm_level	(J) Comm_level	Mean Difference (I-J)	Std. Error	Sig.[a]	Lower Bound
high	low	.930	1.230	.453	-1.547
low	high	-.930	1.230	.453	-3.408

Pairwise Comparisons

Dependent Variable: TSA_ALL

		95% Confidence Interval for [a]...
(I) Comm_level	(J) Comm_level	Upper Bound
high	low	3.408
low	high	1.547

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TSA_ALL

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	10.353	1	10.353	.573	.453	.013
Error	795.403	44	18.077			

The F tests the effect of Comm_level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. SMM_level * Comm_level

Estimates

Dependent Variable: TSA_ALL

SMM_level	Comm_level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
high	high	94.167	1.227	91.693	96.640
	low	96.944	1.227	94.471	99.418
low	high	95.152	1.282	92.568	97.735
	low	90.513	1.179	88.136	92.889

Pairwise Comparisons

Dependent Variable: TSA_ALL

Comm_level	(I) SMM_level	(J) SMM_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]...
						Lower Bound
high	high	low	-.985	1.775	.582	-4.562
	low	high	.985	1.775	.582	-2.592
low	high	low	6.432*	1.702	<.001	3.001
	low	high	-6.432*	1.702	<.001	-9.862

Pairwise Comparisons

Dependent Variable: TSA_ALL

Comm_level	(I) SMM_level	(J) SMM_level	95% Confidence Interval for [b]...
			Upper Bound
high	high	low	2.592
	low	high	4.562
low	high	low	9.862
	low	high	-3.001

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TSA_ALL

Comm_level		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
high	Contrast	5.567	1	5.567	.308	.582	.007
	Error	795.403	44	18.077			
low	Contrast	258.123	1	258.123	14.279	<.001	.245
	Error	795.403	44	18.077			

Each F tests the simple effects of SMM_level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

4. SMM_level * Comm_level

Estimates

Dependent Variable: TSA_ALL

SMM_level	Comm_level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
high	high	94.167	1.227	91.693	96.640
	low	96.944	1.227	94.471	99.418
low	high	95.152	1.282	92.568	97.735
	low	90.513	1.179	88.136	92.889

Pairwise Comparisons

Dependent Variable: TSA_ALL

SMM_level	(I) Comm_level	(J) Comm_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]...
						Lower Bound
high	high	low	-2.778	1.736	.117	-6.276
	low	high	2.778	1.736	.117	-.720
low	high	low	4.639*	1.742	.011	1.128
	low	high	-4.639*	1.742	.011	-8.149

Pairwise Comparisons

Dependent Variable: TSA_ALL

SMM_level	(I) Comm_level	(J) Comm_level	95% Confidence Interval for [b]... Upper Bound
high	high	low	.720
	low	high	6.276
low	high	low	8.149
	low	high	-1.128

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TSA_ALL

SMM_level		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
high	Contrast	46.296	1	46.296	2.561	.117	.055
	Error	795.403	44	18.077			
low	Contrast	128.208	1	128.208	7.092	.011	.139
	Error	795.403	44	18.077			

Each F tests the simple effects of Comm_level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

Univariate Analysis of Variance

Notes

Output Created		16-JUN-2024 17:49:18
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA TOs_required BY SMM_level Comm_level /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /EMMEANS=TABLES (SMM_level) COMPARE ADJ(LSD) /EMMEANS=TABLES (Comm_level) COMPARE ADJ(LSD) /EMMEANS=TABLES (SMM_level*Comm_level) COMPARE(SMM_level) ADJ(LSD) /EMMEANS=TABLES (SMM_level*Comm_level) COMPARE(Comm_level) ADJ(LSD) /PRINT ETASQ DESCRIPTIVE PARAMETER HOMOGENEITY /CRITERIA=ALPHA(.05) /DESIGN=SMM_level Comm_level SMM_level*Comm_level.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Between-Subjects Factors

		N
SMM_level	high	24
	low	24
Comm_level	high	23
	low	25

Descriptive Statistics

Dependent Variable: TOs_required

SMM_level	Comm_level	Mean	Std. Deviation	N
high	high	3.00	.000	12
	low	3.00	.000	12
	Total	3.00	.000	24
low	high	2.91	.302	11
	low	1.92	1.038	13
	Total	2.38	.924	24
Total	high	2.96	.209	23
	low	2.44	.917	25
	Total	2.69	.719	48

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
TOs_required	Based on Mean	24.725	3	44	<.001
	Based on Median	20.395	3	44	<.001
	Based on Median and with adjusted df	20.395	3	17.373	<.001
	Based on trimmed mean	22.075	3	44	<.001

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: TOs_required

b. Design: Intercept + SMM_level + Comm_level + SMM_level * Comm_level

Tests of Between-Subjects Effects

Dependent Variable: TOs_required

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	10.480[a]	3	3.493	11.113	<.001
Intercept	350.781	1	350.781	1115.831	<.001
SMM_level	4.077	1	4.077	12.970	<.001
Comm_level	2.907	1	2.907	9.246	.004
SMM_level * Comm_level	2.907	1	2.907	9.246	.004
Error	13.832	44	.314		
Total	371.000	48			
Corrected Total	24.313	47			

Tests of Between-Subjects Effects

Dependent Variable: TOs_required

Source	Partial Eta Squared
Corrected Model	.431
Intercept	.962
SMM_level	.228
Comm_level	.174
SMM_level * Comm_level	.174
Error	
Total	
Corrected Total	

a. R Squared = .431 (Adjusted R Squared = .392)

Parameter Estimates

Dependent Variable: TOs_required

Parameter	B	Std. Error	t	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Intercept	1.923	.156	12.367	<.001	1.610	2.236
[SMM_level=high]	1.077	.224	4.798	<.001	.625	1.529
[SMM_level=low]	0[a]	.	.	.	.	.
[Comm_level=high]	.986	.230	4.293	<.001	.523	1.449
[Comm_level=low]	0[a]	.	.	.	.	.
[SMM_level=high] * [Comm_level=high]	-.986	.324	-3.041	.004	-1.640	-.332
[SMM_level=high] * [Comm_level=low]	0[a]	.	.	.	.	.
[SMM_level=low] * [Comm_level=high]	0[a]	.	.	.	.	.
[SMM_level=low] * [Comm_level=low]	0[a]	.	.	.	.	.

Parameter Estimates

Dependent Variable: TOs_required

Parameter	Partial Eta Squared
Intercept	.777
[SMM_level=high]	.343
[SMM_level=low]	.
[Comm_level=high]	.295
[Comm_level=low]	.
[SMM_level=high] * [Comm_level=high]	.174
[SMM_level=high] * [Comm_level=low]	.
[SMM_level=low] * [Comm_level=high]	.
[SMM_level=low] * [Comm_level=low]	.

a. This parameter is set to zero because it is redundant.

Estimated Marginal Means

1. SMM_level

Estimates

Dependent Variable: TOs_required

SMM_level	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
high	3.000	.114	2.769	3.231
low	2.416	.115	2.185	2.648

Pairwise Comparisons

Dependent Variable: TOs_required

(I) SMM_level	(J) SMM_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
high	low	.584*	.162	<.001	.257	.911
low	high	-.584*	.162	<.001	-.911	-.257

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TOs_required

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	4.077	1	4.077	12.970	<.001	.228
Error	13.832	44	.314			

The F tests the effect of SMM_level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

2. Comm_level

Estimates

Dependent Variable: TOs_required

Comm_level	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
high	2.955	.117	2.719	3.190
low	2.462	.112	2.235	2.688

Pairwise Comparisons

Dependent Variable: TOs_required

(I) Comm_level	(J) Comm_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]... Lower Bound	Upper Bound
high	low	.493*	.162	.004	.166	.820
low	high	-.493*	.162	.004	-.820	-.166

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TOs_required

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	2.907	1	2.907	9.246	.004	.174
Error	13.832	44	.314			

The F tests the effect of Comm_level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. SMM_level * Comm_level

Estimates

Dependent Variable: TOs_required

SMM_level	Comm_level	Mean	Std. Error	95% Confidence Interval Lower Bound	Upper Bound
high	high	3.000	.162	2.674	3.326
	low	3.000	.162	2.674	3.326
low	high	2.909	.169	2.568	3.250
	low	1.923	.156	1.610	2.236

Pairwise Comparisons

Dependent Variable: TOs_required

Comm_level	(I) SMM_level	(J) SMM_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]... Lower Bound
high	high	low	.091	.234	.700	-.381
	low	high	-.091	.234	.700	-.563
low	high	low	1.077*	.224	<.001	.625
	low	high	-1.077*	.224	<.001	-1.529

Pairwise Comparisons

Dependent Variable: TOs_required

Comm_level	(I) SMM_level	(J) SMM_level	95% Confidence Interval for [b]... Upper Bound
high	high	low	.563
	low	high	.381
low	high	low	1.529
	low	high	-.625

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TOs_required

Comm_level		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
high	Contrast	.047	1	.047	.151	.700	.003
	Error	13.832	44	.314			
low	Contrast	7.237	1	7.237	23.021	<.001	.343
	Error	13.832	44	.314			

Each F tests the simple effects of SMM_level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

4. SMM_level * Comm_level

Estimates

Dependent Variable: TOs_required

SMM_level	Comm_level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
high	high	3.000	.162	2.674	3.326
	low	3.000	.162	2.674	3.326
low	high	2.909	.169	2.568	3.250
	low	1.923	.156	1.610	2.236

Pairwise Comparisons

Dependent Variable: TOs_required

SMM_level	(I) Comm_level	(J) Comm_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]...
						Lower Bound
high	high	low	.000	.229	1.000	-.461
	low	high	.000	.229	1.000	-.461
low	high	low	.986*	.230	<.001	.523
	low	high	-.986*	.230	<.001	-1.449

Pairwise Comparisons

Dependent Variable: TOs_required

SMM_level	(I) Comm_level	(J) Comm_level	95% Confidence Interval for [b]...
			Upper Bound
high	high	low	.461
	low	high	.461
low	high	low	1.449
	low	high	-.523

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TOs_required

SMM_level		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
high	Contrast	.000	1	.000	.000	1.000	.000
	Error	13.832	44	.314			
low	Contrast	5.793	1	5.793	18.427	<.001	.295
	Error	13.832	44	.314			

Each F tests the simple effects of Comm_level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

Univariate Analysis of Variance

Notes

Output Created		16-JUN-2024 17:49:29
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Notes

Syntax		UNIANOVA TOs_not_required BY SMM_level Comm_level /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /EMMEANS=TABLES (SMM_level) COMPARE ADJ(LSD) /EMMEANS=TABLES (Comm_level) COMPARE ADJ(LSD) /EMMEANS=TABLES (SMM_level*Comm_level) COMPARE(SMM_level) ADJ(LSD) /EMMEANS=TABLES (SMM_level*Comm_level) COMPARE(Comm_level) ADJ(LSD) /PRINT ETASQ DESCRIPTIVE PARAMETER HOMOGENEITY /CRITERIA=ALPHA(.05) /DESIGN=SMM_level Comm_level SMM_level*Comm_level.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Between-Subjects Factors

		N
SMM_level	high	24
	low	24
Comm_level	high	23
	low	25

Descriptive Statistics

Dependent Variable: TOs_not_required

SMM_level	Comm_level	Mean	Std. Deviation	N
high	high	4.92	.289	12
	low	3.92	1.564	12
	Total	4.42	1.213	24
low	high	5.00	.000	11
	low	1.69	1.797	13
	Total	3.21	2.126	24
Total	high	4.96	.209	23
	low	2.76	2.006	25
	Total	3.81	1.818	48

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
TOs_not_required	Based on Mean	13.589	3	44	<.001
	Based on Median	8.051	3	44	<.001
	Based on Median and with adjusted df	8.051	3	24.186	<.001
	Based on trimmed mean	12.471	3	44	<.001

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: TOs_not_required

b. Design: Intercept + SMM_level + Comm_level + SMM_level * Comm_level

Tests of Between-Subjects Effects

Dependent Variable: TOs_not_required

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	88.710[a]	3	29.570	19.535	<.001
Intercept	720.617	1	720.617	476.065	<.001
SMM_level	13.704	1	13.704	9.053	.004
Comm_level	55.475	1	55.475	36.649	<.001
SMM_level * Comm_level	15.921	1	15.921	10.518	.002
Error	66.603	44	1.514		
Total	853.000	48			
Corrected Total	155.313	47			

Tests of Between-Subjects Effects

Dependent Variable: TOs_not_required

Source	Partial Eta Squared
Corrected Model	.571
Intercept	.915
SMM_level	.171
Comm_level	.454
SMM_level * Comm_level	.193
Error	
Total	
Corrected Total	

a. R Squared = .571 (Adjusted R Squared = .542)

Parameter Estimates

Dependent Variable: TOs_not_required

Parameter	B	Std. Error	t	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Intercept	1.692	.341	4.959	<.001	1.005	2.380
[SMM_level=high]	2.224	.493	4.516	<.001	1.232	3.217
[SMM_level=low]	0[a]	.	.	.	.	.
[Comm_level=high]	3.308	.504	6.562	<.001	2.292	4.323
[Comm_level=low]	0[a]	.	.	.	.	.
[SMM_level=high] * [Comm_level=high]	-2.308	.712	-3.243	.002	-3.742	-.874
[SMM_level=high] * [Comm_level=low]	0[a]	.	.	.	.	.
[SMM_level=low] * [Comm_level=high]	0[a]	.	.	.	.	.
[SMM_level=low] * [Comm_level=low]	0[a]	.	.	.	.	.

Parameter Estimates

Dependent Variable: TOs_not_required

Parameter	Partial Eta Squared
Intercept	.359
[SMM_level=high]	.317
[SMM_level=low]	.
[Comm_level=high]	.495
[Comm_level=low]	.
[SMM_level=high] * [Comm_level=high]	.193
[SMM_level=high] * [Comm_level=low]	.
[SMM_level=low] * [Comm_level=high]	.
[SMM_level=low] * [Comm_level=low]	.

a. This parameter is set to zero because it is redundant.

Estimated Marginal Means

1. SMM_level

Estimates

Dependent Variable: TOs_not_required

SMM_level	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
high	4.417	.251	3.911	4.923
low	3.346	.252	2.838	3.854

Pairwise Comparisons

Dependent Variable: TOs_not_required

(I) SMM_level	(J) SMM_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
high	low	1.071*	.356	.004	.353	1.788
low	high	-1.071*	.356	.004	-1.788	-.353

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TOs_not_required

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	13.704	1	13.704	9.053	.004	.171
Error	66.603	44	1.514			

The F tests the effect of SMM_level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

2. Comm_level

Estimates

Dependent Variable: TOs_not_required

			95% Confidence Interval	
Comm_level	Mean	Std. Error	Lower Bound	Upper Bound
high	4.958	.257	4.441	5.476
low	2.804	.246	2.308	3.301

Pairwise Comparisons

Dependent Variable: TOs_not_required

					95% Confidence Interval for [b]...
(I) Comm_level	(J) Comm_level	Mean Difference (I-J)	Std. Error	Sig.[b]	Lower Bound
high	low	2.154*	.356	<.001	1.437
low	high	-2.154*	.356	<.001	-2.871

Pairwise Comparisons

Dependent Variable: TOs_not_required

		95% Confidence Interval for [b]...
(I) Comm_level	(J) Comm_level	Upper Bound
high	low	2.871
low	high	-1.437

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TOs_not_required

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	55.475	1	55.475	36.649	<.001	.454
Error	66.603	44	1.514			

The F tests the effect of Comm_level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. SMM_level * Comm_level

Estimates

Dependent Variable: TOs_not_required

SMM_level	Comm_level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
high	high	4.917	.355	4.201	5.632
	low	3.917	.355	3.201	4.632
low	high	5.000	.371	4.252	5.748
	low	1.692	.341	1.005	2.380

Pairwise Comparisons

Dependent Variable: TOs_not_required

Comm_level	(I) SMM_level	(J) SMM_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]...
						Lower Bound
high	high	low	-.083	.514	.872	-1.118
	low	high	.083	.514	.872	-.952
low	high	low	2.224*	.493	<.001	1.232
	low	high	-2.224*	.493	<.001	-3.217

Pairwise Comparisons

Dependent Variable: TOs_not_required

Comm_level	(I) SMM_level	(J) SMM_level	95% Confidence Interval for [b]...
			Upper Bound
high	high	low	.952
	low	high	1.118
low	high	low	3.217
	low	high	-1.232

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TOs_not_required

Comm_level		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
high	Contrast	.040	1	.040	.026	.872	.001
	Error	66.603	44	1.514			
low	Contrast	30.874	1	30.874	20.397	<.001	.317
	Error	66.603	44	1.514			

Each F tests the simple effects of SMM_level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

4. SMM_level * Comm_level

Estimates

Dependent Variable: TOs_not_required

SMM_level	Comm_level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
high	high	4.917	.355	4.201	5.632
	low	3.917	.355	3.201	4.632
low	high	5.000	.371	4.252	5.748
	low	1.692	.341	1.005	2.380

Pairwise Comparisons

Dependent Variable: TOs_not_required

SMM_level	(I) Comm_level	(J) Comm_level	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for [b]...
						Lower Bound
high	high	low	1.000	.502	.053	-.012
	low	high	-1.000	.502	.053	-2.012
low	high	low	3.308*	.504	<.001	2.292
	low	high	-3.308*	.504	<.001	-4.323

Pairwise Comparisons

Dependent Variable: TOs_not_required

SMM_level	(I) Comm_level	(J) Comm_level	95% Confidence Interval for [b]... Upper Bound
high	high	low	2.012
	low	high	.012
low	high	low	4.323
	low	high	-2.292

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: TOs_not_required

SMM_level		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
high	Contrast	6.000	1	6.000	3.964	.053	.083
	Error	66.603	44	1.514			
low	Contrast	65.189	1	65.189	43.066	<.001	.495
	Error	66.603	44	1.514			

Each F tests the simple effects of Comm_level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

Univariate Analysis of Variance

Notes

Output Created		16-JUN-2024 17:52:22
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA Points BY SMM_level Comm_level /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /EMMEANS=TABLES (SMM_level) COMPARE ADJ(LSD) /EMMEANS=TABLES (Comm_level) COMPARE ADJ(LSD) /EMMEANS=TABLES (SMM_level*Comm_level) COMPARE(SMM_level) ADJ(LSD) /EMMEANS=TABLES (SMM_level*Comm_level) COMPARE(Comm_level) ADJ(LSD) /PRINT ETASQ DESCRIPTIVE PARAMETER HOMOGENEITY /CRITERIA=ALPHA(.05) /DESIGN=SMM_level Comm_level SMM_level*Comm_level.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Between-Subjects Factors

		N
SMM_level	high	24
	low	24
Comm_level	high	23
	low	25

Descriptive Statistics

Dependent Variable: Points

SMM_level	Comm_level	Mean	Std. Deviation	N
high	high	701.00	205.449	12
	low	737.92	242.037	12
	Total	719.46	220.364	24
low	high	805.36	190.447	11
	low	641.54	173.131	13
	Total	716.63	195.860	24
Total	high	750.91	201.078	23
	low	687.80	210.362	25
	Total	718.04	206.247	48

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Points	Based on Mean	.480	3	44	.698
	Based on Median	.507	3	44	.680
	Based on Median and with adjusted df	.507	3	42.693	.680
	Based on trimmed mean	.489	3	44	.692

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: Points

b. Design: Intercept + SMM_level + Comm_level + SMM_level * Comm_level

Tests of Between-Subjects Effects

Dependent Variable: Points

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	168187.224[a]	3	56062.408	1.347	.271
Intercept	24896798.084	1	24896798.084	598.252	<.001
SMM_level	190.635	1	190.635	.005	.946
Comm_level	48148.955	1	48148.955	1.157	.288
SMM_level * Comm_level	120470.635	1	120470.635	2.895	.096
Error	1831098.693	44	41615.879		
Total	26747310.000	48			
Corrected Total	1999285.917	47			

Tests of Between-Subjects Effects

Dependent Variable: Points

Source	Partial Eta Squared
Corrected Model	.084
Intercept	.931
SMM_level	.000
Comm_level	.026
SMM_level * Comm_level	.062
Error	
Total	
Corrected Total	

a. R Squared = .084 (Adjusted R Squared = .022)

Parameter Estimates

Dependent Variable: Points

Parameter	B	Std. Error	t	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Intercept	641.538	56.579	11.339	<.001	527.510	755.567
[SMM_level=high]	96.378	81.665	1.180	.244	-68.207	260.964
[SMM_level=low]	0[a]	.	.	.	.	.
[Comm_level=high]	163.825	83.573	1.960	.056	-4.606	332.256
[Comm_level=low]	0[a]	.	.	.	.	.
[SMM_level=high] * [Comm_level=high]	-200.742	117.985	-1.701	.096	-438.525	37.041
[SMM_level=high] * [Comm_level=low]	0[a]	.	.	.	.	.
[SMM_level=low] * [Comm_level=high]	0[a]	.	.	.	.	.
[SMM_level=low] * [Comm_level=low]	0[a]	.	.	.	.	.

Parameter Estimates

Dependent Variable: Points

Parameter	Partial Eta Squared
Intercept	.745
[SMM_level=high]	.031
[SMM_level=low]	.
[Comm_level=high]	.080
[Comm_level=low]	.
[SMM_level=high] * [Comm_level=high]	.062
[SMM_level=high] * [Comm_level=low]	.
[SMM_level=low] * [Comm_level=high]	.
[SMM_level=low] * [Comm_level=low]	.

a. This parameter is set to zero because it is redundant.

Estimated Marginal Means

1. SMM_level

Estimates

Dependent Variable: Points

SMM_level	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
high	719.458	41.641	635.536	803.381
low	723.451	41.787	639.236	807.666

Pairwise Comparisons

Dependent Variable: Points

(I) SMM_level	(J) SMM_level	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
high	low	-3.993	58.993	.946	-122.884	114.899
low	high	3.993	58.993	.946	-114.899	122.884

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: Points

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	190.635	1	190.635	.005	.946	.000
Error	1831098.693	44	41615.879			

The F tests the effect of SMM_level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

2. Comm_level

Estimates

Dependent Variable: Points

Comm_level	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
high	753.182	42.577	667.373	838.990
low	689.728	40.833	607.435	772.020

Pairwise Comparisons

Dependent Variable: Points

(I) Comm_level	(J) Comm_level	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for [a]... Lower Bound
high	low	63.454	58.993	.288	-55.437
low	high	-63.454	58.993	.288	-182.346

Pairwise Comparisons

Dependent Variable: Points

(I) Comm_level	(J) Comm_level	95% Confidence Interval for [a]... Upper Bound
high	low	182.346
low	high	55.437

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: Points

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	48148.955	1	48148.955	1.157	.288	.026
Error	1831098.693	44	41615.879			

The F tests the effect of Comm_level. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. SMM_level * Comm_level

Estimates

Dependent Variable: Points

SMM_level	Comm_level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
high	high	701.000	58.890	582.316	819.684
	low	737.917	58.890	619.232	856.601
low	high	805.364	61.508	681.402	929.325
	low	641.538	56.579	527.510	755.567

Pairwise Comparisons

Dependent Variable: Points

Comm_level	(I) SMM_level	(J) SMM_level	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for [a]... Lower Bound
high	high	low	-104.364	85.154	.227	-275.981
	low	high	104.364	85.154	.227	-67.254
low	high	low	96.378	81.665	.244	-68.207
	low	high	-96.378	81.665	.244	-260.964

Pairwise Comparisons

Dependent Variable: Points

Comm_level	(I) SMM_level	(J) SMM_level	95% Confidence Interval for [a]... Upper Bound
high	high	low	67.254
	low	high	275.981
low	high	low	260.964
	low	high	68.207

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: Points

Comm_level		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
high	Contrast	62509.281	1	62509.281	1.502	.227	.033
	Error	1831098.693	44	41615.879			
low	Contrast	57961.853	1	57961.853	1.393	.244	.031
	Error	1831098.693	44	41615.879			

Each F tests the simple effects of SMM_level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

4. SMM_level * Comm_level

Estimates

Dependent Variable: Points

SMM_level	Comm_level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
high	high	701.000	58.890	582.316	819.684
	low	737.917	58.890	619.232	856.601
low	high	805.364	61.508	681.402	929.325
	low	641.538	56.579	527.510	755.567

Pairwise Comparisons

Dependent Variable: Points

SMM_level	(I) Comm_level	(J) Comm_level	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for [a]...
						Lower Bound
high	high	low	-36.917	83.283	.660	-204.762
	low	high	36.917	83.283	.660	-130.928
low	high	low	163.825	83.573	.056	-4.606
	low	high	-163.825	83.573	.056	-332.256

Pairwise Comparisons

Dependent Variable: Points

SMM_level	(I) Comm_level	(J) Comm_level	95% Confidence Interval for [a]...
			Upper Bound
high	high	low	130.928
	low	high	204.762
low	high	low	332.256
	low	high	4.606

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: Points

SMM_level		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
high	Contrast	8177.042	1	8177.042	.196	.660	.004
	Error	1831098.693	44	41615.879			
low	Contrast	159913.849	1	159913.849	3.843	.056	.080
	Error	1831098.693	44	41615.879			

Each F tests the simple effects of Comm_level within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

Regression

Notes

Output Created		16-JUN-2024 17:54:33
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_d emodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(. 0001) /NOORIGIN /DEPENDENT MEfficiency /METHOD=ENTER ...
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01
	Memory Required	3728 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	TSA_ALL[b]	.	Enter

a. Dependent Variable: MEfficiency

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.472[a]	.223	.206	1.86596

a. Predictors: (Constant), TSA_ALL

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	45.836	1	45.836	13.164	<.001[b]
	Residual	160.164	46	3.482		
	Total	206.000	47			

a. Dependent Variable: MEfficiency

b. Predictors: (Constant), TSA_ALL

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-12.957	5.369		-2.413	.020
	TSA_ALL	.207	.057	.472	3.628	<.001

a. Dependent Variable: MEfficiency

Regression

Notes

Output Created		16-JUN-2024 17:55:11
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001) /NOORIGIN /DEPENDENT Points /METHOD=ENTER TSA_ALL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01
	Memory Required	3728 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	TSA_ALL[b]	.	Enter

a. Dependent Variable: Points

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.115[a]	.013	-.008	207.097

a. Predictors: (Constant), TSA_ALL

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	26386.559	1	26386.559	.615	.437[b]
	Residual	1972899.358	46	42889.116		
	Total	1999285.917	47			

a. Dependent Variable: Points

b. Predictors: (Constant), TSA_ALL

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	251.197	595.939		.422	.675
	TSA_ALL	4.961	6.325	.115	.784	.437

a. Dependent Variable: Points

Regression

Notes

Output Created		16-JUN-2024 17:56:09
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001) /NOORIGIN /DEPENDENT MEfficiency /METHOD=ENTER ...
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01
	Memory Required	3728 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	z_TSA_ALL[b]	.	Enter

a. Dependent Variable: MEfficiency

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.472[a]	.223	.206	1.86596

a. Predictors: (Constant), z_TSA_ALL

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	45.836	1	45.836	13.164	<.001[b]
	Residual	160.164	46	3.482		
	Total	206.000	47			

a. Dependent Variable: MEfficiency

b. Predictors: (Constant), z_TSA_ALL

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	6.500	.269		24.134	<.001
	z_TSA_ALL	.988	.272	.472	3.628	<.001

a. Dependent Variable: MEfficiency

Regression

Notes

Output Created		16-JUN-2024 17:56:23
Comments		
Input	Data	L:\Research\SA-userstudy1 SPSS\cleaned_qualtrics_demodata_48subjects-6-16-24.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	48
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001) /NOORIGIN /DEPENDENT Points /METHOD=ENTER z_TSA_ALL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01
	Memory Required	3728 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	z_TSA_ALL[b]	.	Enter

a. Dependent Variable: Points

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.115[a]	.013	-.008	207.097

a. Predictors: (Constant), z_TSA_ALL

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	26386.559	1	26386.559	.615	.437[b]
	Residual	1972899.358	46	42889.116		
	Total	1999285.917	47			

a. Dependent Variable: Points

b. Predictors: (Constant), z_TSA_ALL

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	718.042	29.892		24.021	<.001
	z_TSA_ALL	23.694	30.208	.115	.784	.437

a. Dependent Variable: Points