```
UNIANOVA NormalizedScores BY class_cat
 /METHOD=SSTYPE(3)
 /INTERCEPT=INCLUDE
 /POSTHOC=class_cat(TUKEY)
 /PRINT DESCRIPTIVE
 /CRITERIA=ALPHA(.05)
 /DESIGN=class_cat.
```

Univariate Analysis of Variance

Notes

Output Created		10-JUN-2024 11:31:40
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	406
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 NormalizedScores BY class_cat /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=class_cat (TUKEY) /PRINT DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=class_cat.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Between-Subjects Factors

		N
class_cat	Above_HS	46
	Higher_secondary	127
	Pre_secondary	69
	Secondary	164

Descriptive Statistics

Dependent Variable: Normalized Scores

class_cat	Mean	Std. Deviation	N
Above_HS	.5632347216	1.094952610	46
Higher_secondary	.0777116582	.9268552881	127
Pre_secondary	-.150499614	.8531029320	69
Secondary	-.154349965	1.028664063	164
Total	.0001978083	.9999883147	406

Tests of Between-Subjects Effects

Dependent Variable: Normalized Scores

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	20.830[a]	3	6.943	7.266	.000
Intercept	2.250	1	2.250	2.355	.126
class_cat	20.830	3	6.943	7.266	.000
Error	384.161	402	.956		
Total	404.991	406			
Corrected Total	404.991	405			

a. R Squared = .051 (Adjusted R Squared = .044)

Post Hoc Tests

class_cat

Multiple Comparisons

Dependent Variable: Normalized Scores

Tukey HSD

(I) class_cat	(J) class_cat	Mean Difference (I-J)	Std. Error	Sig.	95% ... Lower Bound
Above_HS	Higher_secondary	.485523063[*]	.1682231697	.021	.0515394394
	Pre_secondary	.713734336[*]	.1860754147	.001	.2336953318
	Secondary	.717584687[*]	.1630993927	.000	.2968194278
Higher_secondary	Above_HS	-.485523063[*]	.1682231697	.021	-.919506687
	Pre_secondary	.2282112723	.1461992573	.402	-.148954867
	Secondary	.2320616232	.1155490147	.187	-.066032749
Pre_secondary	Above_HS	-.713734336[*]	.1860754147	.001	-1.19377334
	Higher_secondary	-.228211272	.1461992573	.402	-.605377412
	Secondary	.0038503510	.1402733044	1.000	-.358027963
Secondary	Above_HS	-.717584687[*]	.1630993927	.000	-1.13834995
	Higher_secondary	-.232061623	.1155490147	.187	-.530155995
	Pre_secondary	-.003850351	.1402733044	1.000	-.365728665

Multiple Comparisons

Dependent Variable: Normalized Scores

Tukey HSD

(I) class_cat	(J) class_cat	95% Confidence .. Upper Bound
Above_HS	Higher_secondary	.9195066874
	Pre_secondary	1.193773339
	Secondary	1.138349945
Higher_secondary	Above_HS	-.051539439
	Pre_secondary	.6053774119
	Secondary	.5301559953
Pre_secondary	Above_HS	-.233695332
	Higher_secondary	.1489548673
	Secondary	.3657286647
Secondary	Above_HS	-.296819428
	Higher_secondary	.0660327489
	Pre_secondary	.3580279628

Based on observed means.
The error term is Mean Square(Error) = .956.

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

Homogeneous Subsets

Normalized Scores

Tukey HSD[a,b,c]

		Subset	
class_cat	N	1	2
Secondary	164	-.154349965	
Pre_secondary	69	-.150499614	
Higher_secondary	127	.0777116582	
Above_HS	46		.5632347216
Sig.		.439	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .956.

a. Uses Harmonic Mean Sample Size = 79.676.

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

c. Alpha = .05.