

NPar Tests

Notes

Output Created		21-OCT-2024 15:25:22
Comments		
Input	Data	/Users/krisha/Desktop/BCM/Analysis/HOI_implementation/HOI_LLK_Code/SPSS_Mann_Whitney/First Round Data SPSS Day7.sav
	Active Dataset	DataSet2
	Filter	(frequency_band = "Alpha" OR frequency_band = "Beta" OR frequency_band = "Gamma" OR frequency_band = "Theta") AND (measure = "S" OR measure = "O") (FILTER)
	Weight	<none>
	Split File	Frequency Band, Measure
	N of Rows in Working Data File	240
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.
Syntax		NPAR TESTS /M-W= value BY Group (1 0) /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:01.00
	Number of Cases Allowed^a	449389

a. Based on availability of workspace memory.

Frequency Band = Alpha Band, Measure = O-info

Mann-Whitney Test

Ranks ^a				
	Group	N	Mean Rank	Sum of Ranks
Value	Midazolam	12	11.21	134.50
	Ketamine	18	18.36	330.50
	Total	30		

a. Frequency Band = Alpha Band, Measure = O-info

Test Statistics^{a,b}

	Value
Mann-Whitney U	56.500
Wilcoxon W	134.500
Z	-2.189
Asymp. Sig. (2-tailed)	.029
Exact Sig. [2*(1-tailed Sig.)]	.028 ^c

a. Frequency Band = Alpha Band,
Measure = O-info

b. Grouping Variable: Group

c. Not corrected for ties.

Frequency Band = Alpha Band, Measure = S-info

Mann-Whitney Test

Ranks ^a				
	Group	N	Mean Rank	Sum of Ranks
Value	Midazolam	12	11.46	137.50
	Ketamine	18	18.19	327.50
	Total	30		

a. Frequency Band = Alpha Band, Measure = S-info

Test Statistics^{a,b}

	Value
Mann-Whitney U	59.500
Wilcoxon W	137.500
Z	-2.061
Asymp. Sig. (2-tailed)	.039
Exact Sig. [2*(1-tailed Sig.)]	.039 ^c

a. Frequency Band = Alpha Band,
Measure = S-info

b. Grouping Variable: Group

c. Not corrected for ties.

Frequency Band = Beta Band, Measure = O-info

Mann-Whitney Test

Ranks ^a				
	Group	N	Mean Rank	Sum of Ranks
Value	Midazolam	12	10.54	126.50
	Ketamine	18	18.81	338.50
	Total	30		

a. Frequency Band = Beta Band, Measure = O-info

Test Statistics^{a,b}

	Value
Mann-Whitney U	48.500
Wilcoxon W	126.500
Z	-2.529
Asymp. Sig. (2-tailed)	.011
Exact Sig. [2*(1-tailed Sig.)]	.010 ^c

a. Frequency Band = Beta Band,
Measure = O-info

b. Grouping Variable: Group

c. Not corrected for ties.

Frequency Band = Beta Band, Measure = S-info

Mann-Whitney Test

Ranks ^a				
	Group	N	Mean Rank	Sum of Ranks
Value	Midazolam	12	10.88	130.50
	Ketamine	18	18.58	334.50
	Total	30		

a. Frequency Band = Beta Band, Measure = S-info

Test Statistics^{a,b}

	Value
Mann-Whitney U	52.500
Wilcoxon W	130.500
Z	-2.359
Asymp. Sig. (2-tailed)	.018
Exact Sig. [2*(1-tailed Sig.)]	.017 ^c

a. Frequency Band = Beta Band,
Measure = S-info

b. Grouping Variable: Group

c. Not corrected for ties.

Frequency Band = Gamma Band, Measure = O-info

Mann-Whitney Test

Ranks ^a				
	Group	N	Mean Rank	Sum of Ranks
Value	Midazolam	12	11.13	133.50
	Ketamine	18	18.42	331.50
	Total	30		

a. Frequency Band = Gamma Band, Measure = O-info

Test Statistics^{a,b}

	Value
Mann-Whitney U	55.500
Wilcoxon W	133.500
Z	-2.231
Asymp. Sig. (2-tailed)	.026
Exact Sig. [2*(1-tailed Sig.)]	.025^c

a. Frequency Band = Gamma Band, Measure = O-info

b. Grouping Variable: Group

c. Not corrected for ties.

Frequency Band = Gamma Band, Measure = S-info

Mann-Whitney Test

Ranks ^a				
	Group	N	Mean Rank	Sum of Ranks
Value	Midazolam	12	10.38	124.50
	Ketamine	18	18.92	340.50
	Total	30		

a. Frequency Band = Gamma Band, Measure = S-info

Test Statistics^{a,b}

	Value
Mann-Whitney U	46.500
Wilcoxon W	124.500
Z	-2.614
Asymp. Sig. (2-tailed)	.009
Exact Sig. [2*(1-tailed Sig.)]	.008^c

a. Frequency Band = Gamma Band, Measure = S-info

b. Grouping Variable: Group

c. Not corrected for ties.

Frequency Band = Theta Band, Measure = O-info

Mann-Whitney Test

Ranks ^a				
	Group	N	Mean Rank	Sum of Ranks
Value	Midazolam	12	11.13	133.50
	Ketamine	18	18.42	331.50
	Total	30		

a. Frequency Band = Theta Band, Measure = O-info

Test Statistics^{a,b}

	Value
Mann-Whitney U	55.500
Wilcoxon W	133.500
Z	-2.231
Asymp. Sig. (2-tailed)	.026
Exact Sig. [2*(1-tailed Sig.)]	.025 ^c

a. Frequency Band = Theta Band,
Measure = O-info

b. Grouping Variable: Group

c. Not corrected for ties.

Frequency Band = Theta Band, Measure = S-info

Mann-Whitney Test

Ranks ^a				
	Group	N	Mean Rank	Sum of Ranks
Value	Midazolam	12	11.21	134.50
	Ketamine	18	18.36	330.50
	Total	30		

a. Frequency Band = Theta Band, Measure = S-info

Test Statistics^{a,b}

	Value
Mann-Whitney U	56.500
Wilcoxon W	134.500
Z	-2.189
Asymp. Sig. (2-tailed)	.029
Exact Sig. [2*(1-tailed Sig.)]	.028 ^c

a. Frequency Band = Theta Band,
Measure = S-info

b. Grouping Variable: Group

c. Not corrected for ties.

Explore

Notes

Output Created		21-OCT-2024 15:26:17
Comments		
Input	Data	/Users/krisha/Desktop/BCM/Analysis/HOI_implementation/HOI_LLK_Code/SPSS_Mann_Whitney/First Round Data SPSS Day7.sav
	Active Dataset	DataSet2
	Filter	(frequency_band = "Alpha" OR frequency_band = "Beta" OR frequency_band = "Gamma" OR frequency_band = "Theta") AND (measure = "S" OR measure = "O") (FILTER)
	Weight	<none>
	Split File	Frequency Band, Measure
	N of Rows in Working Data File	240
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=value BY Group /PLOT=BOXPLOT /STATISTICS=NONE /NOTOTAL /ID=subject_id.
Resources	Processor Time	00:00:01.27
	Elapsed Time	00:00:01.00

Frequency Band = Alpha Band, Measure = O-info

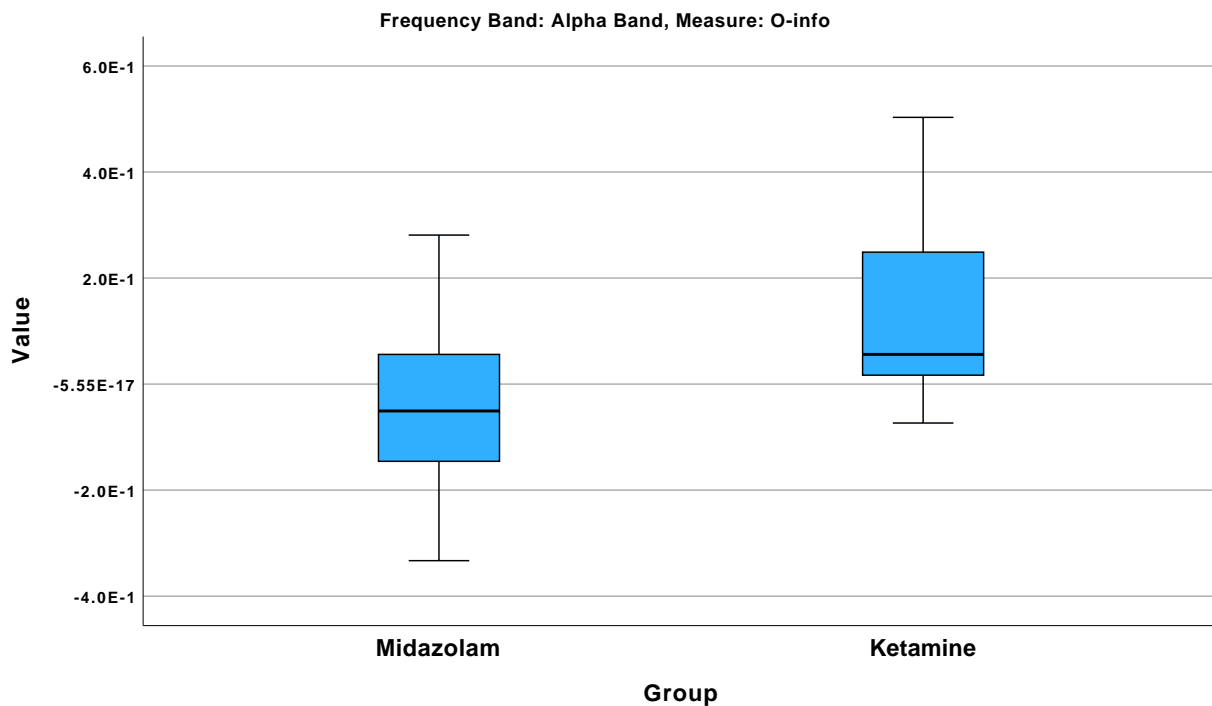
Group

Case Processing Summary^a

		Valid		Cases Missing		Total	
Group		N	Percent	N	Percent	N	Percent
Value	Midazolam	12	100.0%	0	0.0%	12	100.0%
	Ketamine	18	100.0%	0	0.0%	18	100.0%

a. Frequency Band = Alpha Band, Measure = O-info

Value



Frequency Band = Alpha Band, Measure = S-info

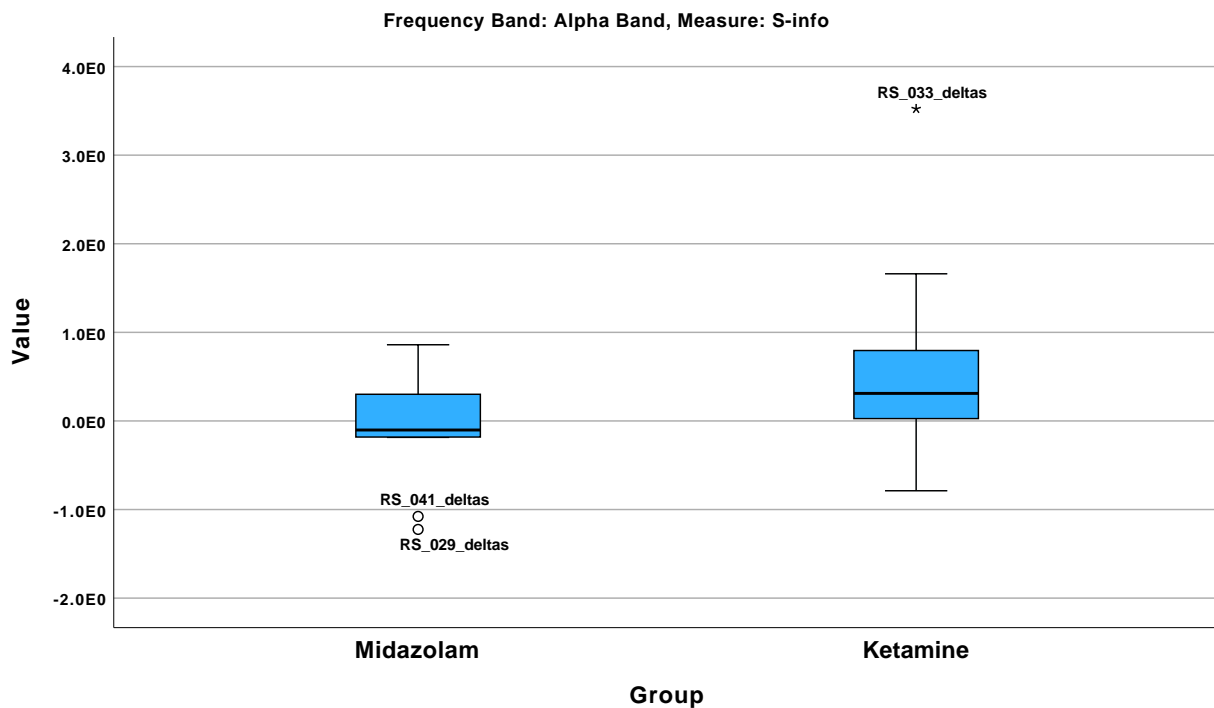
Group

Case Processing Summary^a

	Group	Valid		Cases Missing		Total	
		N	Percent	N	Percent	N	Percent
Value	Midazolam	12	100.0%	0	0.0%	12	100.0%
	Ketamine	18	100.0%	0	0.0%	18	100.0%

a. Frequency Band = Alpha Band, Measure = S-info

Value



Frequency Band = Beta Band, Measure = O-info

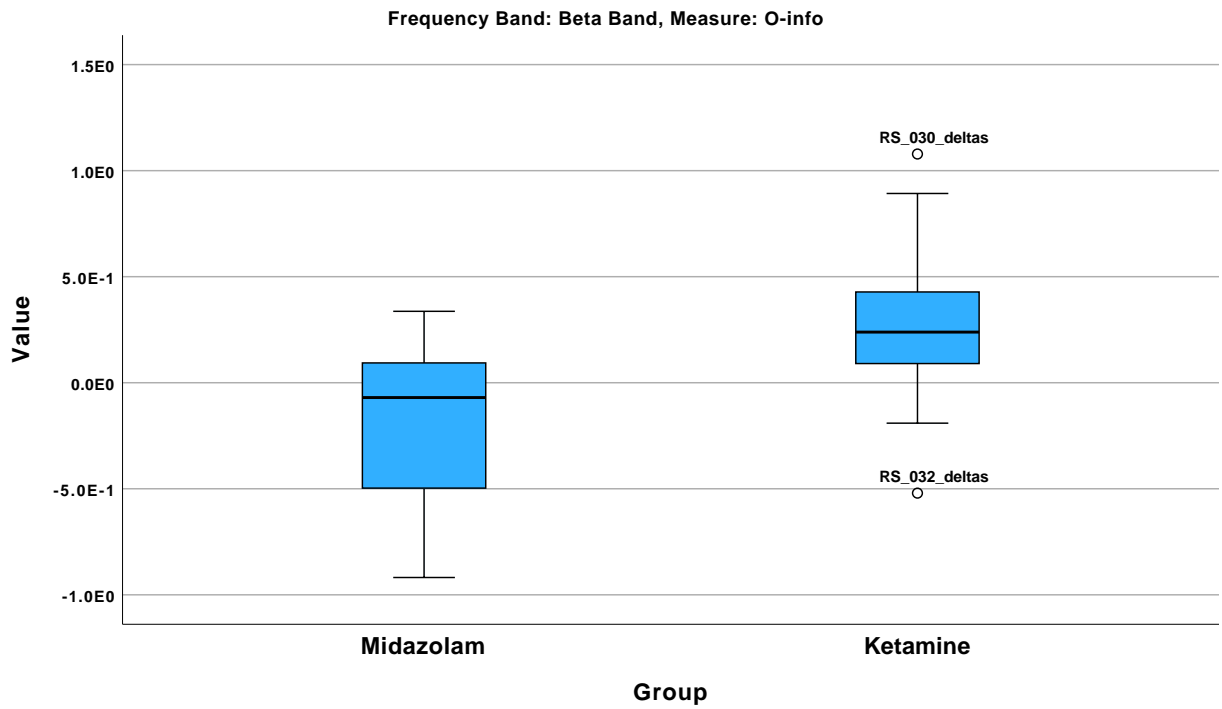
Group

Case Processing Summary^a

	Group	Valid		Cases Missing		Total	
		N	Percent	N	Percent	N	Percent
Value	Midazolam	12	100.0%	0	0.0%	12	100.0%
	Ketamine	18	100.0%	0	0.0%	18	100.0%

a. Frequency Band = Beta Band, Measure = O-info

Value



Frequency Band = Beta Band, Measure = S-info

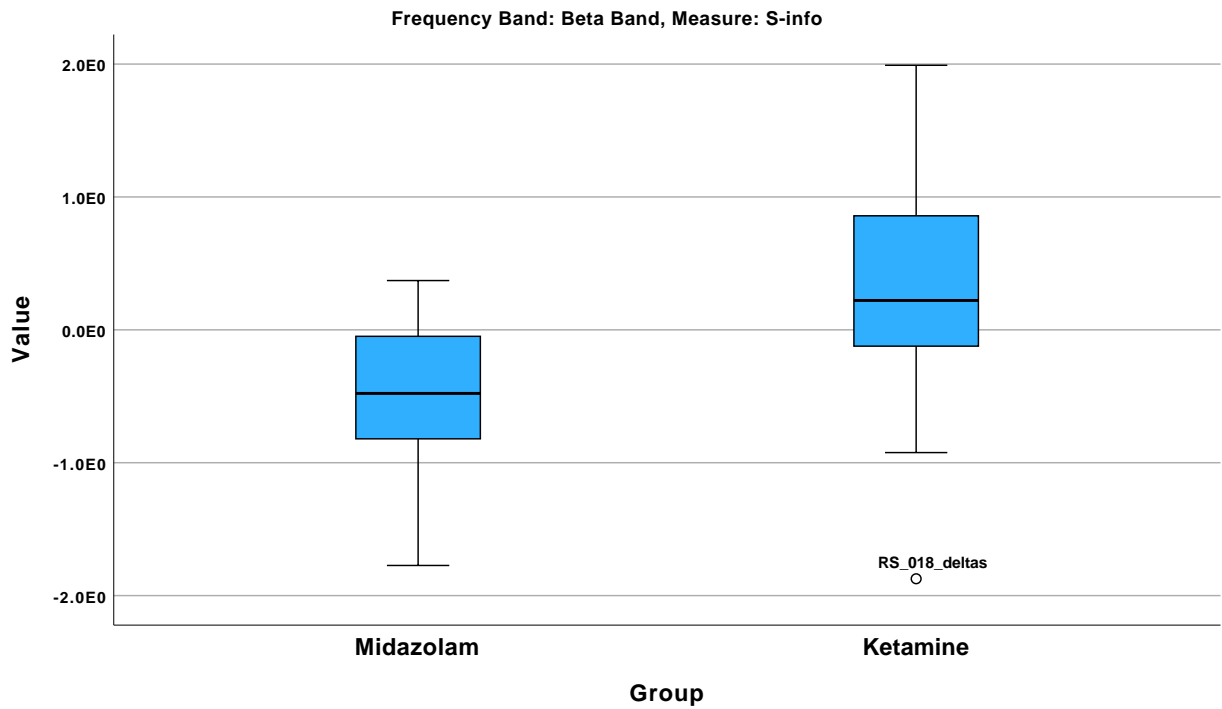
Group

Case Processing Summary^a

	Group	Valid		Cases Missing		Total	
		N	Percent	N	Percent	N	Percent
Value	Midazolam	12	100.0%	0	0.0%	12	100.0%
	Ketamine	18	100.0%	0	0.0%	18	100.0%

a. Frequency Band = Beta Band, Measure = S-info

Value



Frequency Band = Gamma Band, Measure = O-info

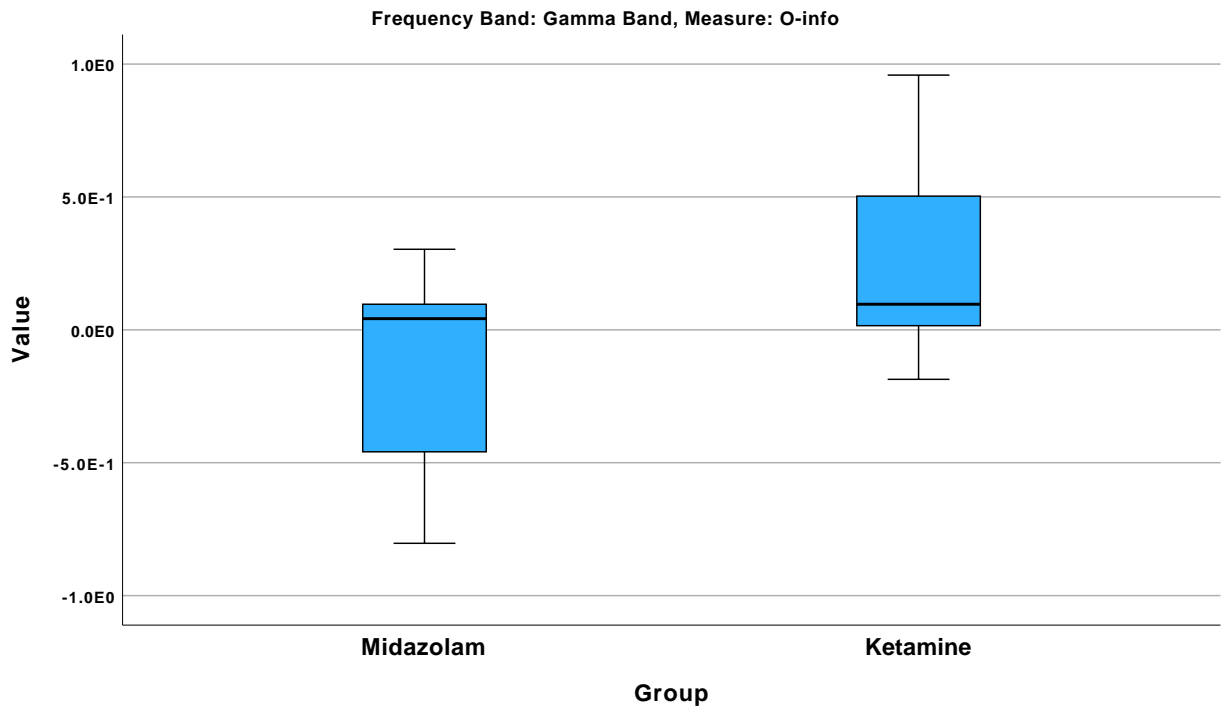
Group

Case Processing Summary^a

	Group	Valid		Cases Missing		Total	
		N	Percent	N	Percent	N	Percent
Value	Midazolam	12	100.0%	0	0.0%	12	100.0%
	Ketamine	18	100.0%	0	0.0%	18	100.0%

a. Frequency Band = Gamma Band, Measure = O-info

Value



Frequency Band = Gamma Band, Measure = S-info

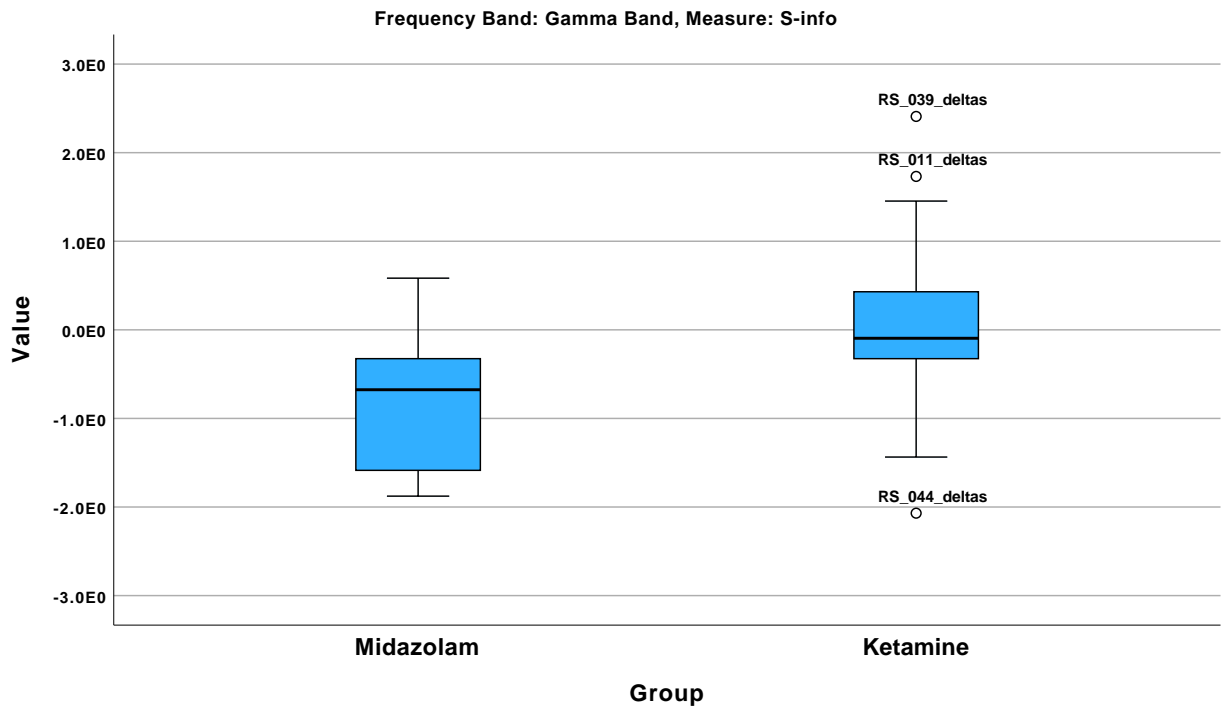
Group

Case Processing Summary^a

	Group	Valid		Cases Missing		Total	
		N	Percent	N	Percent	N	Percent
Value	Midazolam	12	100.0%	0	0.0%	12	100.0%
	Ketamine	18	100.0%	0	0.0%	18	100.0%

a. Frequency Band = Gamma Band, Measure = S-info

Value



Frequency Band = Theta Band, Measure = O-info

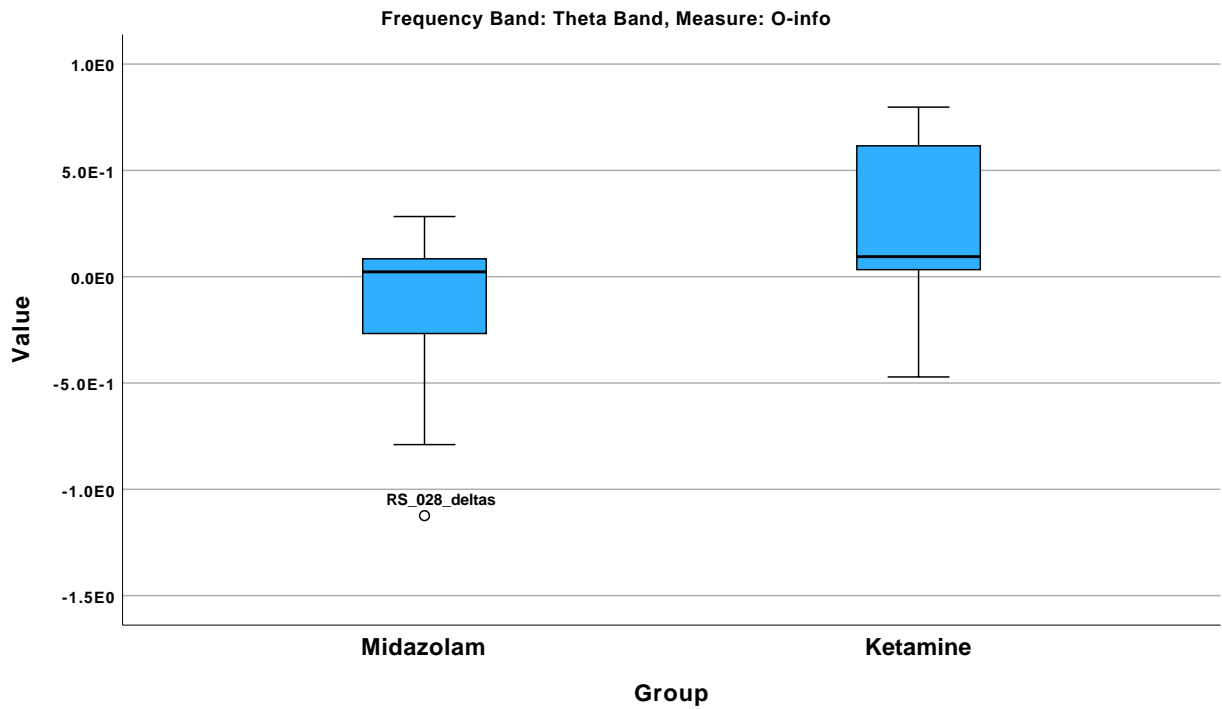
Group

Case Processing Summary^a

	Group	Valid		Cases Missing		Total	
		N	Percent	N	Percent	N	Percent
Value	Midazolam	12	100.0%	0	0.0%	12	100.0%
	Ketamine	18	100.0%	0	0.0%	18	100.0%

a. Frequency Band = Theta Band, Measure = O-info

Value



Frequency Band = Theta Band, Measure = S-info

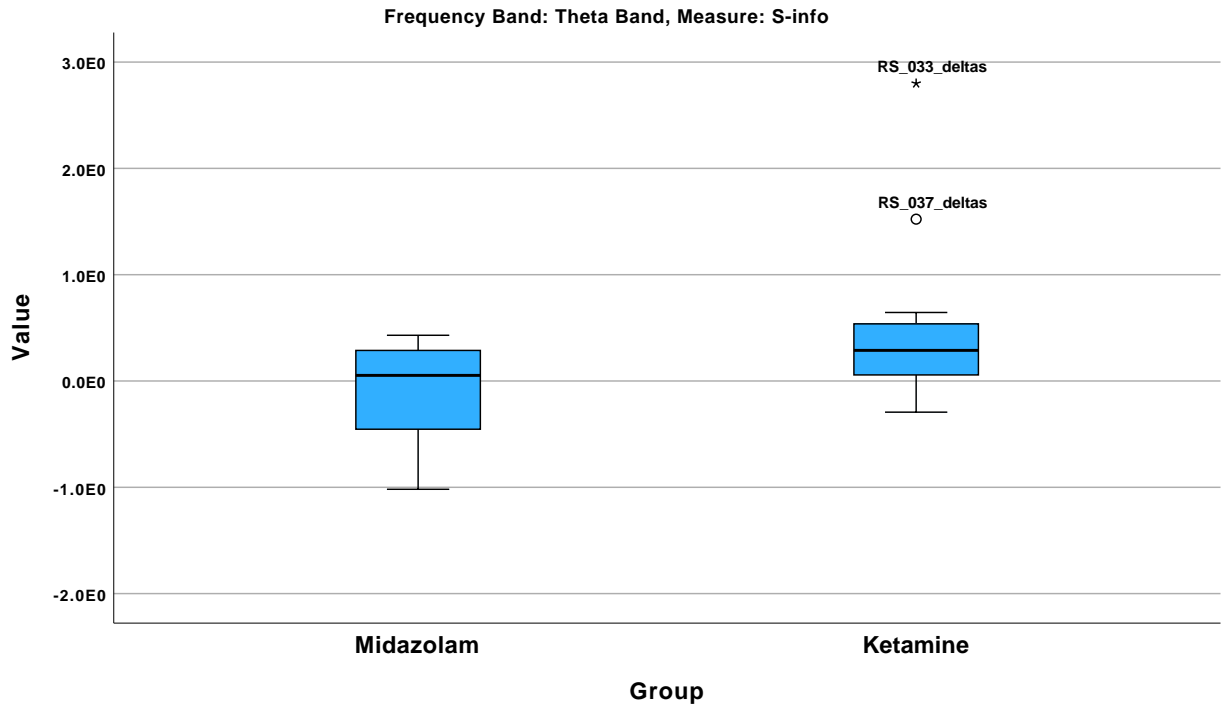
Group

Case Processing Summary^a

	Group	Valid		Cases Missing		Total	
		N	Percent	N	Percent	N	Percent
Value	Midazolam	12	100.0%	0	0.0%	12	100.0%
	Ketamine	18	100.0%	0	0.0%	18	100.0%

a. Frequency Band = Theta Band, Measure = S-info

Value



Graph

Notes

Output Created		21-OCT-2024 15:26:24
Comments		
Input	Data	/Users/krisha/Desktop/BCM/Analysis/HOI_implementation/HOI_LLK_Code/SPSS_Mann_Whitney/First Round Data SPSS Day7.sav
	Active Dataset	DataSet2
	Filter	(frequency_band = "Alpha" OR frequency_band = "Beta" OR frequency_band = "Gamma" OR frequency_band = "Theta") AND (measure = "S" OR measure = "O") (FILTER)
	Weight	<none>
	Split File	Frequency Band, Measure
	N of Rows in Working Data File	240
Syntax		GRAPH /HISTOGRAM=value.

Notes

Resources	Processor Time	00:00:00.91
	Elapsed Time	00:00:00.00

