Applying statistics, Preference and Niche Breath Indices

4		Totals	G-test¨Chi¨	G-test¨p¨	Chi-test¨p¨	Stn. Error	n-Sample (Cherry, 1996)	
							n*pi>5	n*(1-pi)>5
Mp4		400					**Cells 2**	
100		233	138.112		6.85537E-18	0.004	No	Yes
90		227	41.185	5.97562E-09	1.34051E-09	0.004	Yes	Yes
98		264	32.705	3.71695E-07	3.17362E-07	0.003	Yes	Yes
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(Cells 1 label overlays the statistics block; Cells 2 overlays the n-Sample block.)

Each time that any one of the available indices is applied, a basic statistical analysis for preference will be done automatically and presented in "Cells 1", to the right of the data matrix. In "Cells 2" a basic analysis of the sample size will be done to assess if is the data are adequate to use for confidence intervals. The sample size should pass the boot test.

Preference Indices:

| List 1 | ▼ | Button 1 |

Niche Breadth Indices:

| List 2 | ▼ | Button 2 |

The Preference of Index that will be applied should be selected in "List 1" and performed using "Button 1". The same methods apply for niche breadth indices but using "List 2" and "Button 2". The interpretation of the preference index is done automatically by the program, using color and following the criteria indicated in the upper left corner of the results.

Range: -1 to +1			Save this Index		Erase Saved	
If -1 < Index Value < -0.5 Strong Avoidance				Habitat Preference Index		
If -0.49 < Index Value < -0.26 Moderate Avoidance						
If -0.25 < Index Value < 0.25 Indifference		Baltz(1990) Interpretation of II -Jacop (1974)				
If 0.26 < Index Value < 0.49 Neutral Selection		Categories of the Indep. Var.				
If 0.50 < Index Value < 1 Strong Selection			1	2	3	4
		Name	Mp1	Mp2	Mp3	Mp4
Potential Use of Indep.Var. x Category		Sponge	100	100	100	100
Indice X Var.Depe	1	Sp1	-1	0.1	0.2	0.3
	2	Sp2	-0.3	-0.2	0	0.4
	3	Sp3	-0.2	0.1	0.3	-0.3

In the case of Niche Breadth Indices the result for each index is shown together with the data table in the corresponding sheets.