

Generalized Kappa

Generalized Kappa: This procedure calculates the Kappa Coefficient for objects or subjects classified into two or more categories by a group of judges or procedures. Each object is coded with a sequential integer ranging from 1 to the number of objects. Each judge is coded with an integer from 1 to the number of judges.

The categories into which the judges place the objects are coded with an integer from 1 to the number of categories. The codes for the objects, judges and category placements are column variables. The file labeled KappaTest3.LAZ has been used to demonstrate this analysis:

Generalized Kappa Coefficient

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Available Variables:

Category Code (1,2,...):

Category

Object or Subject Classified

Object

Rater Code (1,2,...)

Rater

Reset

Cancel

Compute

Return

Figure 1. Generalized Kappa Form

Generalized Kappa Coefficient Procedure
adapted from the program written by Giovanni Flammia
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2 Raters using 3 Categories to rate 1 Objects

```
Frequency[1][1] = 5.000000
Frequency[1][2] = 3.000000
Frequency[1][3] = 2.000000
Frequency[2][1] = 6.000000
Frequency[2][2] = 3.000000
Frequency[2][3] = 1.000000
Average_Frequency[1] = 5.500000
Average_Frequency[2] = 3.000000
Average_Frequency[3] = 1.500000
```

```
PChance = 0.215789
PObs = 0.384211
Kappa = 0.214765
z for Kappa = 0.216 with probability > 0.415
```