Spearman Rank Correlation (Ordinal or Interval)

The Spearman Rank Correlation VISA procedures allow the user to perform descriptive and inferential procedures for problems involving the relationship between 2 Ordinal or Interval Populations. Interval Populations can also be compared to Ordinal Populations. Ordinal data can be analyzed for up to 5 classifications. Data is entered for up to 1000 observations for each population in worksheet ED. Once the data is entered, a macro executes the ranking calculations. Analysis is provided for ordinal or interval data depending upon how it was entered.

The worksheets for these procedures are:
- **TSO** – Ordinal Data - displays the tabular summary with a bar graph of each Ordinal Population classification (if one was entered) on the same graph.
- **SRC** – the user enters a significance level, and the p-value is displayed with an interpretation of the results for the relationship between the two populations.

**Example:** Consider the relationship between performance (ordinal) and aptitude (interval).
ED worksheet

Displays the hypothesis test and results for the Spearman Rank Correlation significance with a verbal presentation of the conclusion.

SRC worksheet

Displays the hypothesis test and results for the Spearman Rank Correlation significance with a verbal presentation of the conclusion.

Also, displays an XY scatter plot for population 1 versus population 2.
If one or both of the populations were ordinal, this worksheet displays a tabular summary and bar graph of the ordinal data by classification.