

Two-Way Frequency Tables

Creating Two-Way Frequency Tables

A two-way frequency table may be used to display the _____ or _____ of categorical bivariate data. The interior cells provide the _____ of two categories of data.

When data is collected, not all information is given that is needed for a two-way frequency table to be created. If the total of a category is given, _____ and _____ may be used to help fill in the table.

Practice: Complete the practice problem(s) in the space below. Be sure to check your work.

Joint and Marginal Frequencies

A two-way frequency table shows both _____ frequencies and _____ frequencies. Joint frequencies fall on the inside of the table, while the marginal frequencies fall on the outside.

Joint Frequencies

A _____ shows the data for each two-category response and occurs in the body of the table. Thus, joint frequency refers to the _____ of two categories or conditions happening together.

Marginal Frequencies

The row and column totals in a two-way frequency table are called _____. Margin means the _____. The row and column totals are on the _____ of a two-way table.

Practice: Complete the practice problem(s) in the space below. Be sure to check your work.

Association

There is an _____ between variables when there appears to be a _____ between the values of each. In a two-way table, when the distribution of one variable is the _____ for all categories of another, the variables can be described as _____. If this is the case, there is _____ between these variables.

Using Column Totals

To determine if an association exists, compare the ratios of a joint frequency and the marginal frequency of each of the _____.

Using Row Totals

To determine if an association exists, you may also compare the _____ of a joint and marginal frequency in each of the rows.

The associations may be described as _____ or _____ and _____ or _____, depending on the comparisons of the ratios.

Practice: Complete the practice problem(s) in the space below. Be sure to check your work.

Please use additional paper as needed to complete the Self-Check. You may also choose to print the lesson's Sum It Up page.