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| **LG #** | **MCR08** | **Standards:** | **S-ID.2.5, S-ID.2.6** |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard.****The student will be able to:*** Develop a survey and analyze results graphically, verbally, and numerically.

**No major errors or omissions regarding the score 4.0 content.** |
| **3.5** | In addition to 3.0, in-depth inferences and applications with partial success. |
| **3.0** | **Students will be able to summarize, represent, and interpret data on two categorical and quantitative variables****The student will be able to:*** Interpret relative frequencies in the context of the data (including joint, marginal, and conditional relative frequencies) (S-ID.2.5)
* Summarize categorical data for two categories in two-way frequency tables (S-ID.2.5)
* Fit a function to the data and use functions fitted to data to solve problems in the context of the data (S-ID.2.6a)
* Fit a linear function for a scatter plot that suggests a linear association (S-ID.2.6b)
* Create a residual plot and determine if a linear function is the best fit for the data (S-ID.2.6b)

**No major errors or omissions regarding the score 3.0 content (simple or complex).** |
| **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of 3.0 content. |
| **2.0** | **The student recognizes and describes specific terminology such as:**

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| * Categorical Data
 | * Relative Frequency
 | * Quantitative Data
 |
| * Scatter Plot
 | * Line of Best Fit
 | * Frequency
 |
| * Residual Plot
 | * Residuals
 | * Association
 |
| * Two-Way Frequency Table
 | * Joint Relative Frequency
* Conditional Relative
 | * Marginal Relative
 |

**The student will be able to:*** Graph a scatter plot for two quantitative variables (S-ID.2.6)
* Recognize possible associations and trends in data (S-ID.2.5)
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| **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content. |
| **1.0** | With partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. |
| **0.5** | With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. |
| **0.0** | Even with help, no understanding or skill is demonstrated |