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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:**   |  |  |  | | --- | --- | --- | | * 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) | | |
| **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 | | |