|  |  |  |  |
| --- | --- | --- | --- |
| **LG #** | **A113** | **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](http://www.cpalms.org/Public/PreviewResource/Preview/70266), and [conditional relative frequencies](http://www.cpalms.org/Public/PreviewResource/Preview/70227)). (S-ID.2.5)
* [Summarize categorical data for two categories in two-way frequency tables. (S-ID.2.5)](http://www.cpalms.org/Public/PreviewResource/Preview/70203)
* [Fit a function to the data and use functions fitted to data to solve problems in the context of the data.](http://www.cpalms.org/Public/PreviewResource/Preview/68876) (S-ID.2.6a)
* [Fit a linear function for a scatter plot that suggests a linear association. (S-ID.2.6b)](http://www.cpalms.org/Public/PreviewResource/Preview/68897)
* [Create a residual plot and determine if a linear function is the best fit for the data. (S-ID.2.6b)](http://www.cpalms.org/Public/PreviewResource/Preview/68884)

**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:*** Recognize possible associations and trends in data. (S-ID.2.5)
* Graph a scatter plot for two quantitative variables. (S-ID.2.6)
 |
| **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 |