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| **LG #** | **609** | **Standards:** | **6.SP.2.4, 6.SP.2.5** |
| **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:*** Given at least two sets of data, without the use of a calculator, decide which set has more variability using absolute mean deviation

**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 and describe statistical distributions.****The student will be able to:*** [Create a box plot from a given set of data. (6.SP.2.4)](http://www.cpalms.org/Public/PreviewResource/Preview/66779)
* Justify the best graphic representation (box plot, histogram, dot plot) of data given specific contexts. (6.SP.2.5b)
* [Calculate measures of variability (interquartile range, and mean absolute deviation). (6.SP.2.5c)](http://www.cpalms.org/Public/PreviewResource/Preview/67207)
* [Describe overall patterns and deviation from the pattern in the data. (6.SP.2.5c)](http://www.cpalms.org/Public/PreviewResource/Preview/66234)
* [Identify and justify which measure of center best describes the data. (6.SP.2.5c)](http://www.cpalms.org/Public/PreviewResource/Preview/66235)
* [Describe which measure of variability would best describe the shape of the data distribution. (6.SP.2.5d)](http://www.cpalms.org/Public/PreviewResource/Preview/66235)

**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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| --- | --- | --- |
| * Box Plots
* Dot Plots
* Histograms
* Interquartile Range
 | * Mean
* Mean Absolute Deviation
* Measures of Center
* Measures of Variation
 | * Number of Observations
* Median
* Mode
* Outlier
* Range
 |

**The student will be able to:*** Create a box plot given the five number summary. (6.SP.2.4)
* Display numerical data and plots on a number line, including [dot plots](http://www.cpalms.org/Public/PreviewResource/Preview/66780) and [histograms](http://www.cpalms.org/Public/PreviewResource/Preview/66201). (6.SP.2.4)
* Choose the appropriate measurement given various contexts. (6.SP.2.5b)
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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 |