**Data Visualization Checklist**

**Rating Standard**: 2 points if the guideline is fully met; 1 point if the guideline is partially met; 0 point if it is not met all of the guideline; n/a if the guideline doesn’t apply for this scenario.

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| **Guideline:**  A guide for development high impact data visualization. | **Rating:**  (2 1 0 n/a) |
| **The type of graph is appropriate:**  Data are displayed using a graph type appropriate for the relationship within the data. |  |
| **Graph highlights significant finding or conclusion**:  Either a practical or statistical significance (or both) to warrant their presence. |  |
| **Maximize the data-ink ratio:**  Data ink is the non-erasable ink used for the presentation of data. If data ink would be removed from the image, the graphic would lose the content. |  |
| **Color is legible for people with colorblindness:**  Avoid red-green and yellow-blue combinations when those colors touch one another. |  |
| **Avoid chart junk:**  Chart junk refers to all the visual elements that are not necessary to comprehend information presented on the graph, or that distract the viewer from this information. |  |
| **Choosing a good scale to present the data:**  Clear, detailed, and thorough labeling should be used to defeat graphical distortion and ambiguity. |  |
| **Graph is two-dimensional:**  Avoid three-dimensional displays, bevels, and other distortions |  |
| **Data are intentionally ordered:**  Data should be displayed in an order that makes logical sense to the viewer. Data may be ordered by frequency counts, by groupings or bins, by time period, etc. |  |
| **Text is horizontal:**  Titles, subtitles, annotations, and data labels are horizontal (not vertical or diagonal). |  |
| **Text sufficiently contrasts background:**  Black/very dark text against a white/transparent background is easiest to read. |  |
| **Individual chart elements work together to reinforce the overarching takeaway message:**  Choices about graph type, text, arrangement, color, and lines should reinforce the same takeaway message. |  |
| **Total Score:**  Score: \_\_\_\_\_\_\_\_ / \_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_ % |  |

Reference: <https://stephanieevergreen.com/updated-data-visualization-checklist/>