Adapted Checklist, Courtesy of: <https://stephanieevergreen.com/updated-data-visualization-checklist/>

**Ranking Description**: **2** - Illustrates that all components are met; **1** - Component was partially met; **0** - The component is not met

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| --- | --- | --- | --- | --- |
| **Description** | **2** | **1** | **0** | **n/a** |
| **Graph Type is appropriate for data**  -Graph communicates data in an appropriate way to show true relationships within the data sets. |  |  |  |  |
| **Take away chart junk**  -Labels, graphics, images, numbers, boarders, or animations are only kept if absolutely relevant. |  |  |  |  |
| **Appropriate Data Ink Ratio**  -Chart is readable without unnecessary details (usage of ink). |  |  |  |  |
| **Level of precision**  -No confusion is present as to what is being communicated, to the precise number desired. |  |  |  |  |
| **Chart and elements reinforced overall message**  -All elements of the graph should emphasize the takeaway message. This includes: graph type, the arrangement, lines, color, and text |  |  |  |  |
| **Data and Graphics are proportional**  -Axes are both proportional and to scale, while offering clear interpretations. |  |  |  |  |
| **Grid lines are used when necessary**  -Grid lines kept in graph when helpful to data interpretation |  |  |  |  |
| **Axes are clear of unnecessary tick marks**  -Tick marks bring attention **only** where needed |  |  |  |  |
| **Appropriate colors used in displaying data differences**  -Appropriate color is being used to highlight differences; colors aren’t distracting from the overall message. |  |  |  |  |
| **Labels are complete, informative, and legible**  -Labels are clear, spelled correctly, and avoid abbreviations unless they are universally known. |  |  |  |  |
| **Labels are used only when required**  -Labels are informative and not redundant. |  |  |  |  |
| **Chart Titles are simple and descriptive**  -Titles represent the chart accurately without question. |  |  |  |  |
| **Charts are made simple for easy interpretation**  -Information is spaced logically and does not demand a lot of effort from the reader. |  |  |  |  |
| **Text size is easy to comprehend**  -Text size decreases with decreasing importance what is communicated. Decreasing Order: Titles, annotations, labels, axis labels, source information. |  |  |  |  |
| **Text contrasts background appropriately**  -Coloring allows text to be read easily. |  |  |  |  |
| **Color blindness considerations when selecting color pallet**  -Avoid Red Green color scheme |  |  |  |  |
| **Usability compared to Data Ink Ratio**  - Chart can be read with no unnecessary information and animations |  |  |  |  |
| **Overall Score:** |  |  |  |  |