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 type displays data in an appropriate way that shows true relationships within the data sets. |  |  |  |  |
| **Take away chart junk**  -There are no unnecessary labels, graphics, images, numbers, boarders, or animations |  |  |  |  |
| **Appropriate Data Ink Ratio**  -Chart is readable without unnecessary fluff. |  |  |  |  |
| **Level of precision**  -Chart displays precision based on overall scale, i.e not showing to the 5th decimal when the chart is in thousands. |  |  |  |  |
| **Chart and elements reinforced overall message**  -All elements of the graph should emphasise the takeaway message. This includes: graph type, the arrangement, lines, color, and text |  |  |  |  |
| **Data and Graphics are proportional**  -Axis are to scale, proportionate, and offer clear interpretation. |  |  |  |  |
| **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 are used to bring attention when needed |  |  |  |  |
| **Appropriate colors used in displaying data differences**  -Appropriate color is being used to highlight differences, and not used in a distracting way. |  |  |  |  |
| **Labels are complete, informative, and legible**  -Labels are clear, spelled correctly, and avoid abbreviations, unless abbreviations are common language for the audience. |  |  |  |  |
| **Labels are used only when required**  -Labels are informative and not redundant. |  |  |  |  |
| **Chart Titles are simple and descriptive**  -Titles represents the chart accurately without question. |  |  |  |  |
| **Charts are made simple for easy interpretation**  -Information is spaced logically and does not require the reader to search. |  |  |  |  |
| **Text size is easy to comprehend**  -Title are larger than annotations, then labels will follow, followed by axis labels, then ending with source information. |  |  |  |  |
| **Text contrasts background appropriately**  -Text is easy to read |  |  |  |  |
| **Color blindness considerations when selecting color pallet**  -Avoid Red Green color scheme, to ensure visible to colorblind |  |  |  |  |
| **Usability compared to Data Ink Ratio**  -Chart can be read with no unnecessary information and animations |  |  |  |  |
| **Overall Score:** |  |  |  |  |