***Checklist for Data Visualization***

**Reference:**

https://stephanieevergreen.com/updated-data-visualization-checklist/

**Reference:** https://cdn2.hubspot.net/hubfs/521303/Gated%20content/Data%20Visualization%20Checklist%20-%20Infogram.pdf

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **2** | **1** | **0** | **n/a** |
| **1.Pick the right chart**  -check and pick the graph that works best with your data |  |  |  |  |
| **2**.**Even axes intervals**  **-** The x-axis and y-axis are the backbone of chart. The spaces between axis intervals should be even, the y-axis should start at zero, and they should be clearly labeled. |  |  |  |  |
| **3.** **Relevant text.**  -Chart is clean and readable, without unnecessary details A chart should have a good title, pick an easy-to-read font, and text isn’t too small. |  |  |  |  |
| **4.** **Helpful grids and legends.**  **-**Excessive lines and legends can be distracting. Include a legend if your chart needs clarification. If the legend feels clumsy, feel free to label your data directly on the chart. |  |  |  |  |
| **5. Keep it simple**  - Pick one color for your entire chart. Or, a muted neutral tone featuring a pop of color to draw attention to the most important aspect of your data. |  |  |  |  |
| **6. Skip rainbow palettes and 3D art**  **-** Avoid rainbow or mixed color palettes. They may be pretty, but they aren’t necessarily effective. 3D charts are distracting and often misleading. |  |  |  |  |
| **7.** **Text sufficiently contrasts background**  - Black/very dark text against a white/transparent background is easiest to read. |  |  |  |  |
| **8. Gridlines, if present, are muted**  **-** Color should be faint gray, not black. Full points if no gridlines are used. Gridlines, even muted, should not be used when the graph includes numeric labels on each data point. |  |  |  |  |
| **9. Text size is hierarchical and readable**  **-**Titles are in a larger size than subtitles or annotations, which are larger than labels, which are larger than axis labels, which are larger than source information. |  |  |  |  |
| **10.Data are intentionally ordered**  -Order data to show pattern more clearly to readers |  |  |  |  |
| **11. Display is free from decoration**  **-**Graph is free from clipart or other illustrations used solely for decoration. Some graphics, like icons, can support interpretation. |  |  |  |  |
| **Overall Score:** |  |  |  |  |