***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** |
| **Check Graph Type**  -First make sure the graph type is appropriate for the information to be visualized.  - The type of graph is appropriate for data |  |  |  |  |
| **Remove chart junk**  -Remove unnecessary elements in the graph, stay concise and sharp  - Axes do not have unnecessary tick marks or axis lines |  |  |  |  |
| **Increase Data to Ink Ratio**  -Chart is clean and readable, without unnecessary details  - Graph should bleed into the surrounding page |  |  |  |  |
| **Appropriate Level of precision**  **-** Use a level of prevision that meets audiences’ needs.  -Chart displays precision based on overall scale. |  |  |  |  |
| **Chart and elements reinforced overall message**  -All elements of the graph should be consistent and convey the same message. If there are discrepancies, author should notify readers first. |  |  |  |  |
| **Make sure graphics and data are proportional**  -Axis are to scale, and have a correct proportion.  - Graph highlights significant finding |  |  |  |  |
| **Check dimensions of the chart**  - prefer 2D over 3D or higher dimension; try to use lower dimensions to tell a clear story. |  |  |  |  |
| **Color is legible for people with colorblindness**  - Avoid red-green and yellow-blue combination when those color touch one another |  |  |  |  |
| **Data are intentionally ordered**  -Order data to show pattern more clearly to readers |  |  |  |  |
| **Subtitles or annotations provide information**  -Strategically use subtitles and annotations to provide additional/highlight information to readers |  |  |  |  |
| **Color is used to highlight key patterns.**  -Action colors should guide the readers to see patterns of the display. |  |  |  |  |
| **Overall Score:** |  |  |  |  |

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





