**Checklist**

Reference: <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** |
| **1.Check Graph Type**  -First make sure the graph type is appropriate for the information to be visualized. |  |  |  |  |
| **2.Remove chart junk**  -Remove unnecessary elements in the graph, stay concise and sharp |  |  |  |  |
| **3.Increase Data to Ink Ratio**  -Chart is clean and readable, without unnecessary details |  |  |  |  |
| **4.Graph has appropriate level of precision**  Use a level of precision that meets your audiences’ needs. Few numeric labels need decimal places, unless you are speaking with academic peers. Charts intended for public consumption rarely need p values listed. |  |  |  |  |
| **5.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. |  |  |  |  |
| **6.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. |  |  |  |  |
| **7.Make sure graphics and data are proportional**  -Axis are to scale, and have a correct proportion. |  |  |  |  |
| **8.Check dimensions of the chart**  - prefer 2D over 3D or higher dimension; try to use lower dimensions to tell a clear story. |  |  |  |  |
| **9.Color scheme is intentional**  -Colors should represent brand or other intentional choice, not default color schemes. Use your organization’s colors or your client’s colors. Work with online tools to identify brand colors and others that are compatible. |  |  |  |  |
| **10.Color is legible when printed in black and white**  When printed or photocopied in black and white, the viewer should still be able to see patterns in the data. |  |  |  |  |
| **Overall Score:** |  |  |  |  |