**Data Visualization Checklist**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Guidelines | 2 | 1 | 0 | N/A |
| 1. Overall – **The type of graph is appropriate for data**  Data are displayed in appropriate graph type. |  |  |  |  |
| 2. Arrangement – **Graph is two-dimensional**  The graphs are only displayed in 2D. |  |  |  |  |
| 3. Lines – **Graph has one horizontal and one vertical axis**  Only one x- and one y-axis in graphs. |  |  |  |  |
| 4. Arrangement – **Data are intentionally ordered**  Data in graph is ordered by quantity, time, or bins. |  |  |  |  |
| 5. Arrangement – **Proportions are accurate**  Able to measure the length of the graph with axis. |  |  |  |  |
| 6. Arrangement – **Axis intervals are equidistant**  The distance between two axis intervals are in the same unit. |  |  |  |  |
| 7. Color – **Text sufficiently contrasts background**  Black text with white background in graphs. |  |  |  |  |
| 8. Lines – **Gridlines, if present, are muted**  Gridlines are all muted in the white background graphs. |  |  |  |  |
| 9. Lines – **Graph does not have border line**  Remove the border lines in graphs. |  |  |  |  |
| 10. Overall – **Graph has appropriate level of precision**  Display as fewer decimal places as possible. |  |  |  |  |
| Total score |  | | | |

Adapt the checklist from: Data Visualization Checklist by Stephanie Evergreen & Ann K. Emery (May 2016). From: <http://stephanieevergreen.com/wp-content/uploads/2016/10/DataVizChecklist_May2016.pdf>