**Evaluation Criteria for Reviewing Graphics**

| Type of chart | Criteria | Scoring scale |
| --- | --- | --- |
| Distribution plots | Generally a scatter plot does the job. Sometimes, changes in Y-axis value may seem insignificant based on X-axis; a logarithmic scale should help in that regard. Putting a trendline is always a good idea. | Strongly agree = 5  Agree = 4  Neutral = 3  Disagree = 2  Strongly agree = 1 |
| Part to whole | Since these charts are suitable to show how each part (and their sub-sections in some variations) contributes to the whole rather than portraying the total size of the data, author need to be sure that s/he is not intending to focus on the population size but how it is divided.  Colorblind friendly color palette can be used to highlight different parts (for example in a sunburst diagram) | Strongly agree = 5  Agree = 4  Neutral = 3  Disagree = 2  Strongly agree = 1 |
| Qualitative diagram | Size, color, shape etc. are crucial for qualitative plots. For color, colorblind friendly palette is important. Shapes need to be unambiguous and sizes are to be scaled. | Strongly agree = 5  Agree = 4  Neutral = 3  Disagree = 2  Strongly agree = 1 |
| Conceptual plots | I think this is the most open ended category and somewhat difficult to comprehend by some guidelines. Three things should need to be clearly conveyed: 1. It should accurately communicate the idea, 2. If shapes and arrows are used, they need to be meaningful to the context, and 3. Minimal and focused texts should be used. | Strongly agree = 5  Agree = 4  Neutral = 3  Disagree = 2  Strongly agree = 1 |
| Correlation plots | Correlation plots are meant to be scatter plots most of the time with an option of putting P and R values to show the correlation with a numeric value and whether null hypotheses are rejected. Rather than 1v1 separate plots, a grid of correlation plots (e.g. sns pairplot) between all possible pairs are better choice. | Strongly agree = 5  Agree = 4  Neutral = 3  Disagree = 2  Strongly agree = 1 |