**Plot Checklist:**

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| **Correct Graph Selection:**  Verify whether the graph type chosen is appropriate for the data representation (Check for graph usage in Python-Code base) |  |
| **Data Scale:**  Verify whether the data is scaled properly. (Quantitative value should start from 0 for bar charts) |  |
| **Axis Lines should not distract user from the graph:**   * Axis lines and ticks gives proper picturization to the graph. Hence, it cannot be avoided but can be given lighter color like ‘grey’, which will not deviate user. * Avoid Top and right axis lines. |  |
| **Labels - clear, short and effective:**  Labels should be placed in clear and effectively.   * Use Light colors to avoid distraction. * Change the direction of text if labels are lengthy. |  |
| **Color:**  Use smooth diverging or sequential color map to differentiate various categories of data |  |
| **Grid Lines:**  Avoid Grid lines unless it adds value to the graph. Sometime vertical grid line seems to be useful. |  |
| **Data Ink Ratio:**  Maximize data ink ration by erasing the data, without loss of data information |  |
| **Multiple Graph:**  Avoid 3D graphs, dual axis graphs and pie charts. Use subplots or grids. |  |
| **Avoid Chart Junk:**  Data or pictures that doesn’t add any value to graph should be omitted |  |
| **Legends:**  Place legends in an appropriate place where it will not block the graph content. Change legend text color to lighter shade if it is appropriate. |  |
| **Color Blind friendly palette:**  Avoid usage Reg and Green predominantly in the graph |  |
| **Enlightening the information in graph:**  Graph should be clear, and user should conclude the point by seeing the graph. |  |
| **Chart Title:**  Title should be concise, clear and should summarize the graph content |  |
| **Proper Data Usage:**  Verify that best design is used for each data represented in the graph. |  |
| **Annotation:**  Use annotations wherever needed |  |