Data Visualization Checklist

Static Plots:

❖ Aesthetics:
  ➢ (Scatterplots) Is the response variable plot to Y and the explanatory variable to X?
  ➢ Does your title convey information about your plot?
  ➢ Does your y-axis start at zero?

❖ Color:
  ➢ How will the color palette look to people with color blindness?
  ➢ Are the colors discernible when printed in grayscale?
  ➢ Are color schemes (divergent, sequential, categorical) necessary and/or being used properly?

❖ Shape:
  ➢ Is shape used in a redundant manner? Is it needed?

❖ Scales:
  ➢ Do you have labels on your axes?
  ➢ Have you changed your axes labels to be informative and not just the variable name?

❖ Guides:
  ➢ Are there too many items in your legend?
  ➢ Is the legend placed in a good spot on your plot?
  ➢ Are the legend glyphs useful to understand you plot?

❖ Facets:
  ➢ Could you use facets to declutter your plots and add information that would be missed otherwise?

❖ Layers:
  ➢ If using text, does it obscure other information on your plot?

Dynamic Plots:

❖ Motion
  ➢ Is motion being utilized in a manner fitting with the visualization?

❖ Sound
  ➢ Is sound being utilized in a manner fitting with the visualization?