

Your Advanced Visualization needs at least the following items, inclusive of the code required to do these things. For your first homework an RMarkdown document is probably most appropriate.

1. A complete Intermediate Analysis
2. A fancy plot with multiple layers (+ `geom_X()`). Simply adding color to the points of a scatter plot does not count, here.
3. Some ideas: make a confidence interval plot (`hint: ?ggplot2::stat_summary`), rug plot underneath a histogram (`hint: ?ggplot2::geom_rug`), confidence interval underneath a histogram, a violin plot with a confidence interval/box plot within, a bubble plot, a bubble plot on a map, or be creative.
4. Run your idea by me first to be sure it counts as advanced.
5. You must explain your plot with complete English sentences (plural), in context of your data.
6. If you choose this option, you must present as one of your presentation items.