I created a few sample plots. There are a few parameters that I would like to have your thoughts on and finalize before generating plots for all the variables.

1. **Type of plot**: We discussed bar plot this morning, but I think box plots might work a bit better for our purposes as they characterize distribution while bar plots don’t. I created both types of plots for you to see and decide.

* For the bar plot, I created two versions: one full scale, the other zoomed in to better see the differences in mean.

1. **Significance information**: Given 5 racial groups, there’d be 10 pair-wise comparisons. Listing all p-values from each pairwise comparison will make the plot too messy, so I decided to only highlight the comparisons that are significant in the post-hoc test. Information that can be included to display the level of significance include (1) p-value of the global test, kruskal-wallis test, (2) p-value of the post-hoc test, and (3) asterisks for the p-value of the post-hoc test. I created 4 plots. Let me know which plot/combination of information you prefer.

Chart, bar chart

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Description automatically generated

Chart, box and whisker chart

Description automatically generatedChart, box and whisker chart

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Chart, box and whisker chart

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