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Exercise 3.2: Week 3 Justifying Chart Rank

How I ranked my graphs from most effective to least effective. I believe the scatter plot I created is very effective. If I had not reduced the size of the data from the original 1950 to 2020 to its current 2015 to 2020 you would miss seeing a key issue. From the 1950 to 2020 the age of the driver finishing first was steadily declining. In the last five year there is has been one dominant team. With a very good challenger in Red Bull. But Mercedes has been the team to beat. Their drivers are getting older as they win more and more races. Since the current crop of drivers are doing so well no new younger drivers have entered the sport. The scatter plot shows this very clearly.

The next most effective plot is the bar plot. I believe bar plots are very effective in showing rise and fall. In my version you can quickly see which constructor has the most points compared to the others. It is great for a quick glance and does not require a lot of going over and detailing out if presented to an audience. You can quickly find trends as in mine. Mercedes leading the constructors followed by Ferrari and Red Bull rounding out the top three.

The third most effective is the pie chart. Normally I believe pie charts are over done in most case. It seems every presentation has a pie chart in it. I had a colleague who once told me pies are for eating not displaying and he was probably correct. I believe if done right they too can convey good information. Pie chart present the current stats and not much more. Pie charts do not normally help with time series or anything time related. It is to show you the current status. I ranked mine second because in my opinion there are too many slices on my pie chart. I believe a reasonable pie chart should probably not have more than five to seven slices. That usually keeps the colors from repeating and they look better compared to ones that are overcrowded.

In conclusion I ranks my scatter plot as most effective followed by the bar chart, and then the pie chart as the least effective. I think building charts one need to present to others to get a full idea of what is needed before sending your presentation out to a wider audience. I left out the heat map cause after building it I felt is said nothing about the data. So I did a fourth and found it more effective.