In-class Coding Exercises
Module 4

Start exploring your final project data! Within your group, discuss your final project data and the 10 specific questions you wanted to ask of your data (per the online class prep).[1] Discuss what kind of transformations would best answer these questions.

[1] If you did not come prepared with these 10 questions, bad on you! Develop them now.

1. Start transforming your data to gain new insights. Based on what you learned this week, some questions you may want to ask are:

   - What features could you filter on?
   - How could arranging your data in different ways help?
   - Can you reduce your data by selecting only certain variables?
   - Could creating new variables add new insights?
   - Could summary statistics at different categorical levels tell you more?
   - How can you incorporate the pipe (%>%) operator to make your code more efficient?

2. Does your final project leverage more than one data set?

   - If so, start joining your data sets with the skills you learned.
   - If not, try to identify another data set that you can join to your final project data to make it even more interesting.

3. Your mid-term project eval is due by the end of today's class. You need to render this mid-term report as an R Markdown HTML product and you need to show *all* your code. You will need to upload your HTML report to RPubs and then send me the url via Slack. If you want to incorporate the above tasks into your mid-term you certainly can do so at this time.