STAT 6430 **Project Description**

Your team should identify an R package that you find interesting and/or useful. It is preferable that it be a graphics package, but that is not a firm requirement. Your goal is to provide the information necessary for the rest of us to implement the contents of the package. You will do this by:

- Writing up a brief (3 pages max) document that explains the purpose of the package and describes its features.
- Develop annotated R code that can be used by the rest of us to try out the features of the package.
- Prepare and deliver a 13-minute presentation on the package, including demonstrations. (Do not run long!)

You should email to me electronic versions of your R code, documentation, and presentation slides. I will post these in Collab for access by the rest of the class.

Some general comments on the project:

- Some packages are really big with lots of features, so you may find it better to narrow the scope of the project to a manageable subset.
- Feel free to look for specialized packages. There are lots out there, and those that do odd but interesting things can be fun.
- Your presentation should be in Powerpoint or a variant. I recommend that you don't plan to connect your laptop to the project or use online resources, but in the end how you use your 13 minutes is up to you.
- Along the same lines, static output from R is likely more reliable than getting R to work in front of a group.

The presentations will be on July 27–28. The team assignments and order (random from `sample`) are:

Monday, July 27: 4, 2, 5, 3, 10, 13, 12 (we will run to 11:45)

Tuedsay, July 28: 1, 11, 9, 7, 8, 6

The project grade will be based on the R demo code (35%), the documentation (30%), and your presentation (35%).