For this assignment, you will conduct and present a clean, professional analysis of several datasets on owl limpets in southern California.

For each assignment, you have been given a template RMarkdown file in the assignment repository which has the questions you must answer and analyses you should complete.

HW 1 (Due Monday October 17 at 7 pm): For your first homework, you will conduct an exploratory data analysis of your own collected data as well as two other provided datasets. For full credit, your exploratory data analysis should:

* Be an R Project folder pushed to your GitHub that includes all data files in .csv format, an RMarkdown script, and the .Rproj object
* Have separate chunks at the top of the RMarkdown script for importing data and installing packages
* Include all code to reformat and clean data and a saved .csv of your final Primary dataset(s).
* Demonstrate steps to check assumptions/normality of the data
* Visualize each dataset in several ways

HW 2 (Due Monday October 31 at 7 pm): For your second homework, you will present more polished findings from your study on owl limpets. You will be graded on your professional presentation using R Markdown, your demonstration of ggplot and dplyr skills, and your thoughtful interpretation of your data analysis. For full credit, your report should:

* Be an R Project folder pushed to your GitHub that includes all data files, an RMarkdown script, and the .Rproj object
* Knit tidily to html format, including a header, and be easily viewed using HTML and GitHub
* Include a brief introductory summary of the goal of the analysis
* Nicely formatted headers/organization to distinguish the parts of the analysis and questions
* Separate, named chunks for each figure and summary, with bulky/uninformative code outputs hidden from output file using chunk settings.
* Text answers to questions in full sentences, explaining methods, results and interpretation of the figure or table, as a full report.