

**Final Capstone Project Feedback – 35 Points**

Student: **Emma O'Neil** Score: **25.5** /35 = **72.9**%

**Part 1: Clean up your Repo – 5 pts**

Score: **2.5**

Using Git/GitHub effectively and organizing a project well

Feedback: Bit of a mess. You were unable to effectively push to github without help. You have a bunch of analysis files in your root folder that should be in a code folder somewhere. Several of your files have the same name in different locations (e.g. Data-exploration.qmd). There are files in your code folder that belong in your draft folder.

**Part 2: Finalize statistical analyses- 20 pts**

Score: **14.5**

Remove unneeded code; Follow correct workflow; Reflects feedback; overall challenge

Feedback: Analysis 1 has no biological justification. Line 63 and the resulting histogram shows that the data are right-skewed and that you should have a glm, not lm. Line 78 - you say the data are not normal, but then proceed anyway without any explanation. Final plot is the incorrect plot for this type of analysis. You need to plot means as well as individual points. See fig 5.11 in book. Also could add the Tukey test result to plot. Q2 - what factors impact bear abundance. Again, no biological justification. Which factors might be important biologically? Line 115: YOUR DATA DO NOT LOAD BECAUSE YOU ARE NOT CALLING THEM WITH THE HERE PACKAGE. SINCE I AM NOT ON YOUR DESKTOP/ONE DRIVE FOLDER, I CAN'T GET THE DATA. Line 132 - no, not how the data are set. Because you used a glm with family = poisson, you need to exponentiate your coefficients, which you did not do.

**Part 3: Final report – 10 pts**

Score: **8.5**

Intro, Analysis with biological insight , Challenges; Well-written; Strong use of markdown

Feedback: Inconsistent use of markdown headings. Good to figure out italics. Lots of grammatical/typos - proofread please.

Language is very informal ( e.g. "stuff that was done in class"). Use formal language for a report.

I think this class was a lot for you, and I'm glad you hung in there and kept trying! There is a lot of good stuff in this final project, it just needed more attention to detail and more time trying to really understand how to conduct and interpret these tests.