Biostatistics
Fall 2024

Final Capstone Project Feedback – 35 Points

Student: **Margaret Dougher**   Score: **29** /35 = **82.9** %

Part 1: Clean up your Repo – 5 pts   Score: **4**

Using Git/GitHub effectively and organizing a project well

Feedback: GitHub is working fine. Project itself could be a bit more tidy. Folder called data preparation and data preparation.zip has stuff that belongs in data folder. Code folder has stuff that is neither in Draft or Final folder which is confusing. Neaten it up.

Part 2: Finalize statistical analyses- 20 pts   Score: **16.5**

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

Feedback: Analysis 1 - Association b/w age and sex in terms of feed visits. Overall looks good, but a boxplot is not a good choice for your final plot since you are comparing count data. Should be using a bar plot like your first one. And you could add letters to show differences based on post hoc tests. Line 102 - you are NOT accepting your null hypothesis.

Analysis 2 - Visit count vs average temperature. Prelim plot you labeled the axes incorrectly. Good job explaining why you need glm. Line 189 - what does Null deviance represent and what does residual deviance represent? Final plot not very polished - axis labels, color, etc.

Part 3: Final report – 10 pts   Score: **8.5**

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

Feedback: WHY do the data exclude dates Feb 15 - Feb 23? Line 14 - what is the "dates" file? Language line 18 "mess around with" - please use more formal language. Line 42: they will be able to dominant" - the word you want is "dominate".

Your citations are incomplete - it would not be easy to check those sources without knowing where they were published.

Markdown looks fine.