Biostatistics
Fall 2024

Final Capstone Project Feedback – 35 Points

Student: Jason Stasio Score: 33 /35 = 94.3 %

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

Using Git/GitHub effectively and organizing a project well

Feedback: GitHub working well. Project well organized via subdirectories.

Part 2: Finalize statistical analyses- 20 pts Score: 18

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

Feedback: Q1 - Covid diagnosis and MS type. Well conducted test, good inference, appropriate choice to not create a final plot (though prelim plot looks good). Q2 - smoking status and loss of taste/smell. I don't think you are interpreting your odds ratio correctly. A value of 0.857 means that with each increase in the # of patients who answer "yes" to smoking, the odds of ltos goes down by 1 - 0.857 = 14%. As you observed in your set up to this question, this result is the Opposite of what we might expect! Because you have a single categorical predictor and a single binary response var, it might have been more straightforward to treat this as a chi-square test as well, though I appreciate that you tried something different with this analysis.

Part 3: Final report – 10 pts Score: 10

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

Feedback: Nice context in 1st paragraph of intro. Clever use of css style sheet to improve overall look of document. Good use of links in references. You provided a lot of thoughtful information in this document, which I apprreciate.