Capstone Data Analysis Project – Preliminary Data Analysis
Biostatistics

Name: Jason Stasio   Score = 23   /25

Submitted on time?   (●) Y   ( ) N

GENERAL REQUIREMENTS (10 POINTS):

Element	Points	Score	Feedback
Effective git/GitHub	1	1	
Well-organized	1	1	
Strong commentary outside of code chunks	3	3	
Effective use of comments within code chunks	2	2	very good
Code provides correct values and reduces "human intervention"	2	2	
Link on Canvas	1	1	

STATISTICAL ANALYSES (15 POINTS):

[✔] Took initiative to learn new methods as appropriate

[✔] Generally followed the our workflow:

   Plot -> Guess -> Create model -> Check assumptions -> Interpret -> Final plot

Statistical analysis 1:

Question: Is there a relationship b/w MS type and likelihood of being confirmed or suspected of having COVID 19?

Workflow checklist

[✔] 1. Plot data   [✔] 2. Guess relationships

[✔] 3. Create model: Chi-square test of association

   [ ] Correct model?

[✔] 4. Check model assumptions, if needed   [✔] 6. Replot

[✔] 5. Interpret model   [✔] 7. Clear results statement

   [✔] Interpretation is correct   [✔] In prose

                                                   [✔] Outside of code chunk

Statistical analysis 2:

Question: Is there a relationship b/w patient's smoking history and likelihood of expericning loss of taste or smell with covid 19?

Workflow checklist

[✔] 1. Plot data   [✔] 2. Guess relationships

[✔] 3. Create model: chi-square (could try as logistic)

      [✔] Correct model?

[✔] 4. Check model assumptions, if needed   [✔] 6. Replot

[✔] 5. Interpret model   [✔] 7. Clear results statement

      [✔] Interpretation is correct   [✔] In prose

                                                    [✔] Outside of code chunk

Statistical analysis 3:

Question: _____

Workflow checklist

[ ] 1. Plot data   [ ] 2. Guess relationships

[ ] 3. Create model: _____

      [ ] Correct model?

[ ] 4. Check model assumptions, if needed   [ ] 6. Replot

[ ] 5. Interpret model   [ ] 7. Clear results statement

      [ ] Interpretation is correct   [ ] In prose

                                                    [ ] Outside of code chunk

> Additional feedback
> Nice work. I think you should try logistic regression on Q2 just to try a diffferent analysis. More info in prelim-analysis-feedback.qmd.