

Name: Margaret Dougher

Score = 20.5 /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	
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 an association between sex and age in visits to feeders by chickadees?

Workflow checklist



1. Plot data



2. Guess relationships



3. Create model: Chi-square test of independence



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 between the number of feeder visits and average temperature.

Workflow checklist

- | | |
|---|---|
| <input checked="" type="checkbox"/> 1. Plot data | <input type="checkbox"/> 2. Guess relationships |
| <input checked="" type="checkbox"/> 3. Create model: <u>linear regression</u> | |
| <input checked="" type="checkbox"/> Correct model? | |
| <input checked="" type="checkbox"/> 4. Check model assumptions, if needed | <input checked="" type="checkbox"/> 6. Replot |
| <input checked="" type="checkbox"/> 5. Interpret model | <input type="checkbox"/> 7. Clear results statement |
| <input type="checkbox"/> Interpretation is correct | <input type="checkbox"/> In prose |
| | <input type="checkbox"/> Outside of code chunk |

Statistical analysis 3:

Question: _____

Workflow checklist

- | | |
|--|---|
| <input type="checkbox"/> 1. Plot data | <input type="checkbox"/> 2. Guess relationships |
| <input type="checkbox"/> 3. Create model: _____ | |
| <input type="checkbox"/> Correct model? | |
| <input type="checkbox"/> 4. Check model assumptions, if needed | <input type="checkbox"/> 6. Replot |
| <input type="checkbox"/> 5. Interpret model | <input type="checkbox"/> 7. Clear results statement |
| <input type="checkbox"/> Interpretation is correct | <input type="checkbox"/> In prose |
| | <input type="checkbox"/> Outside of code chunk |

Additional feedback

You are on the right track! See preliminary-analysis-feedback.qmd for more comments.