

Name: Evelyn Albrecht

Score = 21.5 /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: Impacts of diet breadth and human footprint on ICUN category

Workflow checklist

☐ 1. Plot data

☐ 2. Guess relationships

☐ 3. Create model: ordinal logistic regression

☒ 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: Relationship b/w diet breadth and body size of 118 neotropical parrots

Workflow checklist

- | | |
|--|--|
| <input checked="" type="checkbox"/> 1. Plot data | <input checked="" type="checkbox"/> 2. Guess relationships |
| <input checked="" type="checkbox"/> 3. Create model: <u>linear regression (should be glm, perhaps with family = gamma)</u> | |
| <input 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 checked="" type="checkbox"/> 7. Clear results statement |
| <input checked="" type="checkbox"/> Interpretation is correct | <input checked="" type="checkbox"/> In prose |
| | <input checked="" type="checkbox"/> Outside of code chunk |

Statistical analysis 3:

Question: What are the best predictors of IUCN status?

Workflow checklist

- | | |
|--|---|
| <input checked="" type="checkbox"/> 1. Plot data | <input type="checkbox"/> 2. Guess relationships |
| <input checked="" type="checkbox"/> 3. Create model: <u>ordinal regression</u> | |
| <input checked="" 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

This is looking good, especially analysis 2. Take a look at the code I provided in the Cap-DAP-Example project for Analyses 1 and 3.

You earned a score of 23/25 but this assignment was late, so I'm taking off 1.5 points.
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