

Set up (21 points total)

- +1 public repository
- +1 link to rendered/knitted HTML doc
- +1 link to repository
- +1 file organization using **{here}** package
- +2 informative README
- +1 at least 5 changes in repository
- +5 annotated code for all sections without messages or warnings
- +1 folded code
- +5 correctly rendered/knitted figures/tables
- +3 headers

Introduction (13 points)

- +3 full context for study
- +2 questions
- +2 hypotheses
- +5 in-text citations of peer-reviewed papers
- +1 paragraph form

Methods**Visualization (14 points)**

- +1 missing observation visualization
- +1 caption with correct formatting
- +1 visualization of Pearson correlation
- +1 caption with correct formatting
- +1 visualization of relationships between variables (ggpairs or otherwise)
- +1 caption with correct formatting
- +1 diagnostics for full model
- +1 caption with correct formatting
- +1 diagnostics for first test model
- +1 caption with correct formatting
- +1 diagnostics for second test model
- +1 caption with correct formatting
- +1 diagnostics for third test model
- +1 caption with correct formatting

Writing (26 points)

- +1 data collection summary
- +2 description of data organization/processing
- +2 discussion of missing observations
- +2 discussion of Pearson correlation
- +2 discussion of relationships between variables
- +1 null model
- +1 full model
- +2 discussion of null and full model

- +2 transformation discussion
- +2 variance inflation factor discussion for full model
- +2 explanation of predictors for first test model
- +2 explanation of predictors for second test model
- +2 explanation of predictors for third test model
- +2 model comparison
- +1 paragraph form

Results**Visualization (3 points)**

- +1 visualization of model predictions for biomass (y-axis) and *one* predictor (x-axis) of your choice
- +1 finalized formatting
- +1 caption with correct formatting

Writing (8 points)

- +1 description of best model
- +1 how the best model was chosen
- +1 whether the best model conforms to assumptions
- +1 summary of model results
- +1 model interpretation
- +2 discussion of results
- +1 paragraph form

Extra points

- +3 writing style: concise, thorough, descriptive
- +3 document style

Total points: /85 (%)

Canvas points: /10