Biostatistics: Problem Set 3 – Introductory Statistics

Name: Esteban Ramirez   Score = 18.5   /25

GitHub repo: https://github.com/3st3ban9/PS3-Applying-Stats.git

Submitted on time?   ● Y   ○ N

Project element	Value	Pts earned	Comments
Successfully fork a GitHub repository and create a new RStudio project from fork • Project called "Lastname-PS3"	1	0.5	Project not named correctly
Set up project and workspace, pull in and examine data, fix mistakes • Lastname-PS3.qmd • Use at least 2 functions • Assign data types • Error checking	2	1.5	Line 32 - how can you tell all the factor levels are good? You should have run histograms on numeric data to look for outliers.
Analyze Q1: Does body mass differ b/w these 5 species of bats, and if so, how does body mass differ b/w species? • Nature of P and R vars • Analysis method explained • More polished figure • Clear, written interpretation	4	3	Line 48 - you should guesstimate the means since that is what you'll be comparing. Plotting histograms may have made it easier. Line 58 - What looks good? You need to show me that you know how to interpret autoplot() output. Lines 62 - 68 need more commentary - why did you run each and what did each reveal? Need a final plot and final resu lts statement.
Analyze Q2: Does body length differ b/w species and, if so, how ? • Nature of P and R vars • Analysis method explained • More polished figure • Clear, written interpretation	4	3	All the same feedback as for Q1
Analyze Q3: Is the number of ticks found on the bats associated with their sex or age? • Nature of P and R vars • Analysis method explained • More polished figure • Clear, written interpretation	4	3.5	Line 130 - TWO categorical vars. Line 139 need formal results statement with correct statistical output.

Analyze Q4: Disregarding species, is there a relationship in bats b/w tail length and body length? • Nature of P and R vars • Analysis method explained • More polished figure • Clear, written interpretation	4	2.5	Line 151 - you should be guesstimating slope and y-intercept before making model Need to interpret autoplot() Need final results statement w/correct stats reported, adj R2 interpreted, and final plot.
Thought processes are well documented outside of code blocks, code is well commented, all steps prior to data analysis	4	3	You could be a bit more detailed/thoughtful about documenting the conttext of the assignment as well as the specific questions, giving null hypotheses, etc. so that the document itself made sense even if you didn't know the assignment Qs.
Successfully open a pull request to add your changes to the forked repository • Commit changes • Open PR • Link pasted in Canvas	1	0.5	Provided incorrect link on canvas
Code represents material we have covered in GSWR Chs 3-5 and not elsewhere	1	1	
Additional feedback			