

Name: **Jason Stasio**Score = **22** /25GitHub repo: <https://github.com/The-Staz-Codes/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 <ul style="list-style-type: none"> Project called "Lastname-PS3" 	1	0.5	Did not name project correctly
Set up project and workspace, pull in and examine data, fix mistakes <ul style="list-style-type: none"> Lastname-PS3.qmd Use at least 2 functions Assign data types Error checking 	2	1.75	Line 66 - how did you decide there were no outliers? I get that you looked at the arranged columns, but what did you see that let you decide no 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? <ul style="list-style-type: none"> Nature of P and R vars Analysis method explained More polished figure Clear, written interpretation 	4	3.75	I like that you used histograms to compare - if you let R pick the bins I think the histograms might look better. Line 96 - why ANOVA? Also, only run Tukey's if ANOVA shows significance. Need to interpret autoplot so I can tell you know how. report 2 df, not just 1 for F. Nice final plot!
Analyze Q2: Does body length differ b/w species and, if so, how ? <ul style="list-style-type: none"> Nature of P and R vars Analysis method explained More polished figure Clear, written interpretation 	4	3.75	Same comments as for Q1
Analyze Q3: Is the number of ticks found on the bats associated with their sex or age? <ul style="list-style-type: none"> Nature of P and R vars Analysis method explained More polished figure Clear, written interpretation 	4	2.75	Since response is discrete, need chi-square test of association. Wrong stat test. You eventually did it, but after first doing ANOVA. Also, plot should include BOTH sex and age.

<p>Analyze Q4: Disregarding species, is there a relationship in bats b/w tail length and body length?</p> <ul style="list-style-type: none"> • Nature of P and R vars • Analysis method explained • More polished figure • Clear, written interpretation 	4	3.5	<p>Line 303 - Neither variable is integer - both are ratio data. You are not running an anova, but a regression, because vars both continuous. They test different ideas. So need to be clear in line 311.</p> <p>Need to add interpretation of adj R2 to final statement</p>
<p>Thought processes are well documented outside of code blocks, code is well commented, all steps prior to data analysis</p>	4	4	<p>Good - easy to read and understand your thought processes</p>
<p>Successfully open a pull request to add your changes to the forked repository</p> <ul style="list-style-type: none"> • Commit changes • Open PR • Link pasted in Canvas 	1	1	<p>good</p>
<p>Code represents material we have covered in GSWR Chs 3-5 and not elsewhere</p>	1	1	<p>good</p>
<p>Additional feedback</p>			