

Name: **Alexis Parent**Score = **21.5** /25GitHub repo: <https://github.com/AlexisParent7/Parent-PS3.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	1	good. Thanks for naming 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	1.5	Good job checking factors. Should also make histograms of numeric vars 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? <ul style="list-style-type: none"> Nature of P and R vars Analysis method explained More polished figure Clear, written interpretation 	4	3.5	Line 60 add ncol = 1 will make it easier to compare histograms. Line 63 - try to guesstimate the means. Need a little more detail on interpretation of autoplot() Line 83 should report two separate df See fig 5.11 in book for example of fina plot - need to display means, since that is what we're comparing
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	3.5	All the same feedback 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	2.5	Incorrect test. Need chi-square test of association (= test of independence). Association in discrete response b/w 2 categorical vars. If it were a t-test, boxplot is not a good final figure, as again, you are comparing means.

<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 244 - you should try to guesstimate the slope and y-intercept from the plot. Line 254 - what might it mean that some of your autoplot stuff looks weird?</p> <p>Line 261 - also need to interpret adjusted R²</p> <p>Final plot should have geom_smooth</p>
<p>Thought processes are well documented outside of code blocks, code is well commented, all steps prior to data analysis</p>	4	4	good
<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	good
<p>Code represents material we have covered in GSWR Chs 3-5 and not elsewhere</p>	1	1	good
<p>Additional feedback</p>			