

Name: **Matt Serrano**Score = **21** /25GitHub repo: <https://github.com/mattserrano1/Serrano-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	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	2	Good job checking both factor and numeric variables
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	3.25	Why did you choose 1-way ANOVA? Should write that in narrative. Should address response and pred var types. Line 114 - what does QQ plot help you understand? Line 149 - looking for a nice final plot, not a nice model. Plot should show means, see fig 5.11.
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	3.25	Same feedback as for Q1 - need a final plot and more on why you chose ANOVA. Also null hypotheses would be good for both.
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	Selected incorrect statistical test - should be chi-square test of association (= test of independence). discrete var against 2 categorical vars.

<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>What is is about your two variables that makes theses data a good fit for linear regression?</p> <p><code>geom_smooth(method = lm)</code> not model</p> <p>How do you interpret adjusted R2 value?</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	0.5	You did not make a pull request
<p>Code represents material we have covered in GSWR Chs 3-5 and not elsewhere</p>	1	1	
Additional feedback			