

Name: **Seamus O'Brien**Score = **22** /25GitHub repo: <https://github.com/swobri21/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	project not named 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 error checking all of the data prior to analysis
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	Lines 249- 250 I'd like to know more about HOW to interpret the autoplot results. What is each plot telling you? "Nothing too out of the ordinary" is vague. Otherwise, a very nice analysis.
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	Similar to 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	3	Lines 483-510: since we have a 2-way association, you should group by both fcts and then get one plot that includes sex and age. And run just one chi-square test, not 2. See key and book chapter for details.

<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>This is a better job interpreting results of autoplot() than you had for Q1 or Q2.</p> <p>Explain how we interpret adj R2 of 0.8931.</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	
<p>Code represents material we have covered in GSWR Chs 3-5 and not elsewhere</p>	1	1	
Additional feedback			