

Name: Evelyn AlbrechtScore = 21.5 /25GitHub repo: <https://github.com/Evelyn-Albrecht/PS3-Applying-Stats>

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"> <li>Project called "Lastname-PS3"</li> </ul>	1	0.5	Project not named with last name
Set up project and workspace, pull in and examine data, fix mistakes <ul style="list-style-type: none"> <li>Lastname-PS3.qmd</li> <li>Use at least 2 functions</li> <li>Assign data types</li> <li>Error checking</li> </ul>	2	2	good
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"> <li>Nature of P and R vars</li> <li>Analysis method explained</li> <li>More polished figure</li> <li>Clear, written interpretation</li> </ul>	4	3.5	Good - ANOVA; add ncol=1 to facet to see better how body mass compares b/w species; I'd like to see you guesstimate the means for each species before proceeding w/ analysis.  Boxplot is not good choice for final plot - you are comparing means, so final plot should explicitly show means. See key.
Analyze Q2: Does body length differ b/w species and, if so, how ? <ul style="list-style-type: none"> <li>Nature of P and R vars</li> <li>Analysis method explained</li> <li>More polished figure</li> <li>Clear, written interpretation</li> </ul>	4	3.5	Good - ANOVA; add ncol=1 to facet to see better how body mass compares b/w species; I'd like to see you guesstimate the means for each species before proceeding w/ analysis.  Boxplot is not good choice for final plot - you are comparing means, so final plot should explicitly show means. See key.
Analyze Q3: Is the number of ticks found on the bats associated with their sex or age? <ul style="list-style-type: none"> <li>Nature of P and R vars</li> <li>Analysis method explained</li> <li>More polished figure</li> <li>Clear, written interpretation</li> </ul>	4	2.5	Incorrect analysis choice. Association b/w two categorical variables = chi-square test of independence.  Your analysis was ok for what you selected, though again, boxplot is not a good final plot, but you selected the incorrect analysis here. See key 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"> <li>• Nature of P and R vars</li> <li>• Analysis method explained</li> <li>• More polished figure</li> <li>• Clear, written interpretation</li> </ul>	4	3.5	geom_smooth() needs method = lm. Check key for details.
<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"> <li>• Commit changes</li> <li>• Open PR</li> <li>• Link pasted in Canvas</li> </ul>	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>			