BIOL 116 Lab 7 Assignment 4

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Group Members

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| Name | Email |
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As a group, practice creating figures and calculating descriptive statistics using the *mtcars* and *penguins* datasets available on the BIOL 116 Shiny App.

1. Paste two of the figures your group created. Make sure you follow proper data presentation guidelines when creating your figure caption and ensure the variables are adequately described

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**NOTE** there is a link to descriptions of the variables in each dataset on the Shiny App

* 1. Figure 1
  2. Figure 2
  3. Use the Shiny App to calculate the descriptive statistics for each of the following variables from the *penguins* dataset:
     1. Species
     2. Bill length
  4. Make a properly formatted and labelled table that articulates
     1. the number of observations *n* (the count of penguins) by species
     2. the proportion of each species as a representation of all observations
     3. the mean bill length for each species
     4. the standard deviation of the bill length measurement for each species.

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Your empty table should look something like the following:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | ***n*** | ***p*** | **Mean** | **SD** |
|  |  |  |  |  |
|  |  |  |  |  |