

STAT 218 Lab Assignment 1

Team Member 1: NAME HERE Team Member 2: NAME HERE
Team Member 3: NAME HERE

Lab Assignment 1

In this assignment, we will work with the data available in the package of `palmerpenguins`. Let's install and use that package. And let's load our data into R by using `data()` function.

Run the code chunk below. **DO NOT FORGET TO RENDER YOUR QUARTO DOCUMENT TO PDF!**

NOTE: Please ignore `penguins_raw` data for this class and USE `penguins` for this assignment.

Question 0: Please add a code chunk below and add necessary `install.packages()` and `library()` functions (look at the Slide 9). If you skip this part, your functions will not work.

Add your code chunk here.

Question 1: Please use `glimpse()` function and write 2-3 sentences to explain what you see.

```
# Put your R Code Chunk here.
```

Type your answer (2-3 sentences) here.

Question 2: How many variables and cases do this dataset have?

```
# Put your R Code Chunk here.
```

Type your answer here.

Question 3: What types of variables are there in this data set? Identify each variable below (categorical, categorical - binary, quantitative)

species:

island:

bill_length_mm:

bill_depth_mm:

body_mass_g:

flipper_length_mm:

sex:

year:

Question 4: Calculate the mean and median values for bill_length_mm.

(Hint: You will see NA values when you run the function because of missing data. Use the Console Pane by typing `?mean` to find which argument is helpful for removing NAs.)

```
# Put your R Code Chunk here.
```

Explain what you see in the output

Question 5: Please create a bar chart by using ggplot() function for the variable species.

```
# Put your R Code Chunk here.
```

Explain what you see in the output.