

STATISTICAL TECHNIQUES FOR THE BIOMEDICAL SCIENCES
BMR 617
SPRING 2023

Assignment 2. Measuring central tendency and spread.

This assignment will repeat the analysis from lecture 3, but for the C57BL/6 ("B6") mice instead of the TALLYHO mice.

The data set is available at

<https://denvirlab.marshall.edu/BMR617-2023/data/TH-B6-metabolic.csv>

You can download it into R by loading the tidyverse library and using

```
met <- read_csv("https://denvirlab.marshall.edu/BMR617-2023/data/TH-B6-metabolic.csv")
```

Assignment:

Find the mean, median, standard deviation, and interquartile range of the Cholesterol of the B6 mice fed each of the Chow, High-fat ("HF") and high-calorie low-fat ("LF") diets. (I.e. you will find three means, three medians, etc.)

Present the results clearly in a word document. You should have one or two sentences establishing some context for the data, and then the results in some well-organized format (a table might be useful).

Submit your word document along with an R script file that computes the results you presented.