Primary Research Question

How many of the cyclists rode daily, how many of these riders were male and how many female, and what what were their average ages?

Analysis

Modify the R script from Pre-Lab 1 to complete these steps:

1. Make a table to show how many **daily** riders are in the original dataset.
2. Create a **new datafile** that includes only the daily riders.
3. Make a **table** to show the number of male and female daily riders.
4. Make a **vector** of the ages of these daily riders.
5. Find the **mean** age for men and for women daily riders.

(1/1 point)

1. How many daily riders are in the dataset?

47 ✔ **Answer:** 47

47

You have used 1 of 1 submissions

(1/1 point)

2. How many of the daily riders are male?

38 ✔ **Answer:** 38

38

- Week 3: Bivariate Distributions
- Week 4: Bivariate Distributions (Categorical Data)

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(1/1 point)

3. What is the average age of daily riders? (Round to 1 decimal place.)

33.7 ✔ **Answer:** 33.7

33.7

You have used 1 of 1 submissions

TRY THIS: Can you compare the average age of the **male** daily riders and the **female** daily riders? (Hint: Can you subset the datafile again to separate the males and the females?)

(1/1 point)

4. What is the average age of the **female** daily riders? (Round to 1 decimal place)

32.6 ✔ **Answer:** 32.6

You have used 1 of 1 submissions

(1/1 point)

5. What is the average age of the **male** daily riders? (Round to 1 decimal place.)

33.9 ✔ **Answer:** 33.9

You have used 1 of 1 submissions

TRY THIS: How would you create a datafile that only includes male daily riders that are **age 30 or older**?

You are being asked to subset data based on a numerical condition rather than a categorical condition. Here is what the code would look like to subset the riders age 30 or older.

```
thirty <- bike[bike$age >= 30,]
```

Modify this code so that you subset only the male daily riders that are 30 or older.

(1/1 point)

6. How many daily male riders are age 30 or older?

25 ✔ **Answer:** 25

25

You have used 1 of 1 submissions