

# Data For Online Quiz #1

2024-04-03

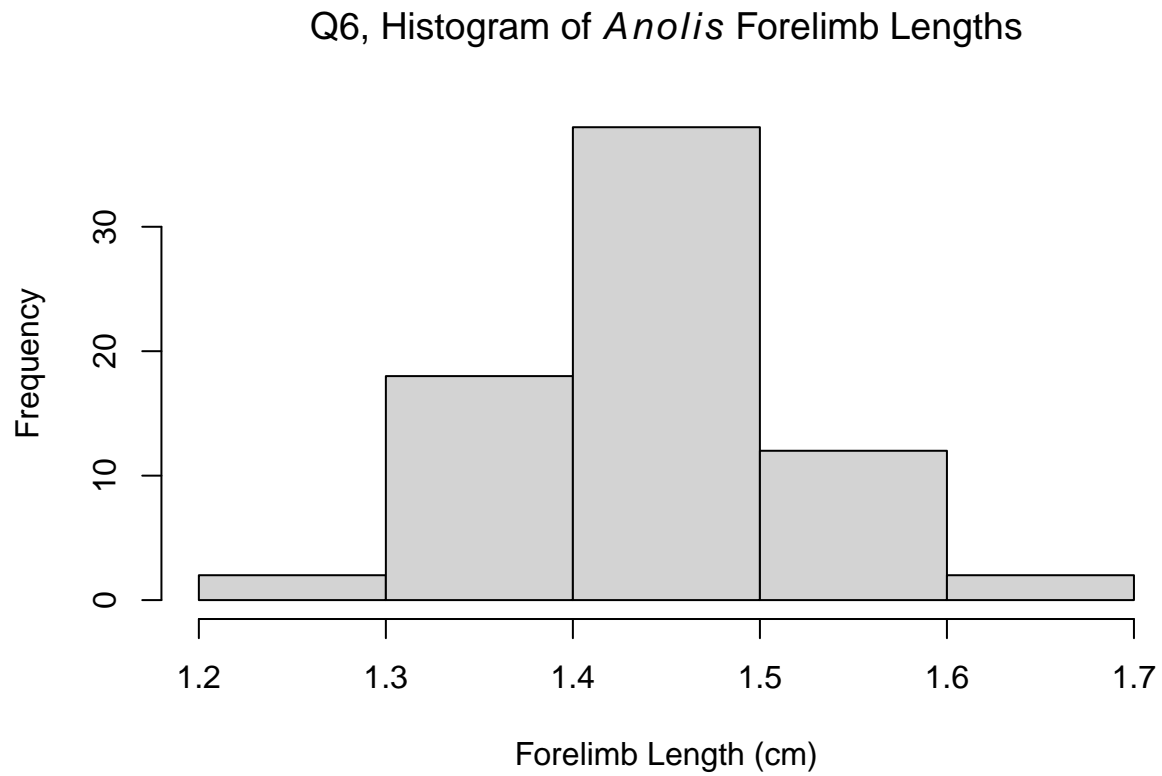
The following document will help you answer questions 6-10 of the online quiz. It will test your ability to use statistical terminology to describe the data presented. I will read in some data and then we can look at some plots together.

The questions on the online quiz will remain as multiple choice.

### ## Question 6

We will start by examining a grouped frequency distribution of *Anolis* lizards and their forelimb lengths.

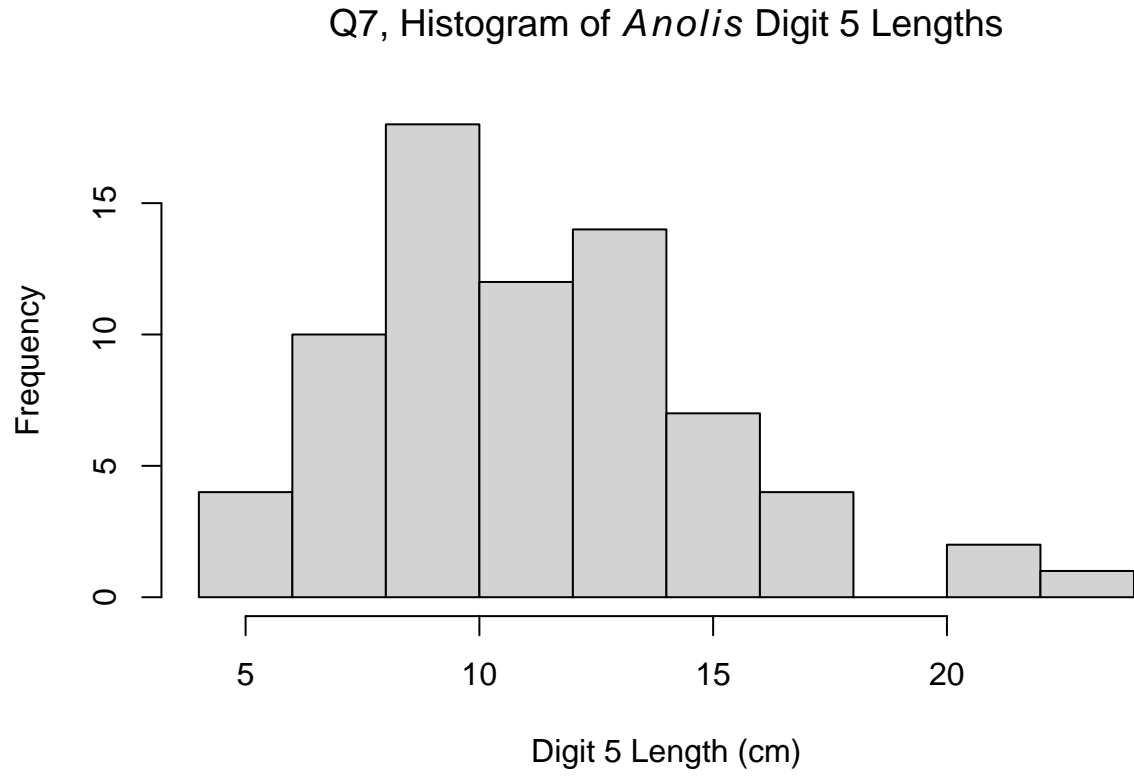
View the histogram of *Anolis* forelimb lengths for Q6. What shaped frequency distribution does this data most closely adhere to?



## Question 7

We will now look over distribution of digit lengths in our sample.

The histogram shows the distribution is skewed. In what direction is the data skewed?

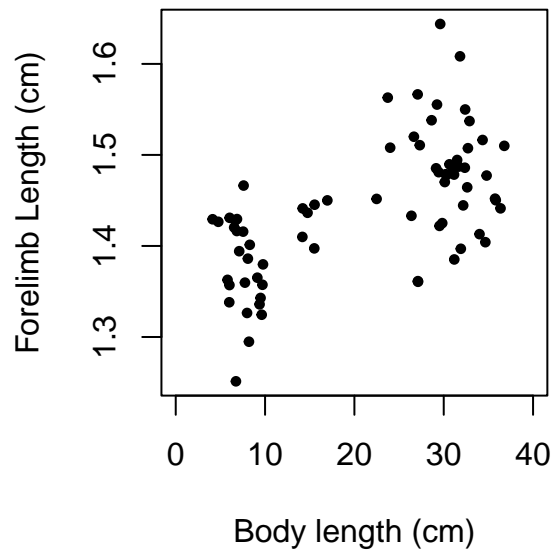


## Question 8 and question 9

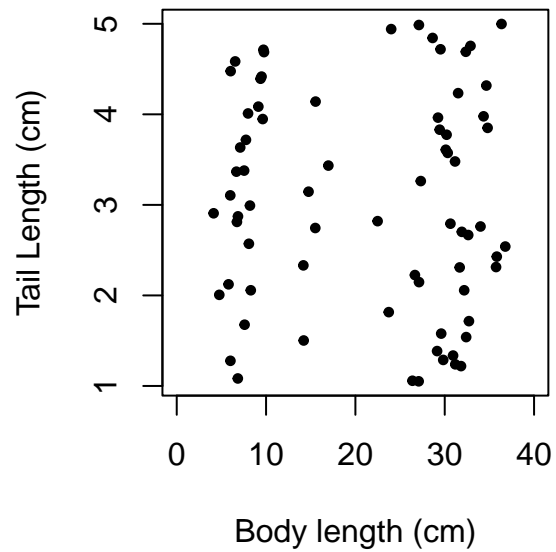
We will now look over distribution of limb and tail lengths in our sample.

Describe the type of correlation (or lack thereof), and for question 9 mention which measure is the independent variable and dependent variable for plot 8a.

Q8a, *Anolis* body length by forelimb length



Q8b, *Anolis* body length by tail length



## ## Question 10

We will now look over a line plot.

On your online quiz list what the data type is for each variable (*i.e.*, continuous, discrete, categorical).

