

Lab Assignment #4

This lab is due at 9:35 AM on Wednesday 1/31 and is worth 6 points. This may be done individually, or in a group of 2 or 3 people.

1) Go to mlb.com, and look at scores from April 9, 2022. Find the average (mean) and median number of runs (R) scored by one team for games played on this date. There were 15 games on this date so there should be 30 numbers in your data set. Don't forget to include the unit of measure in your answer.

2) Go to my web site, look at the class graphs, and using the sorted data for age guess, find the average (mean) and median age guess for Mr. N. of all the students who completed the survey, for Spring 2024 (Don't use the results from 2010.) Don't forget to include the unit of measure in your answer.

3) The following are prices for one adult admission to a zoo, for a sample of zoos around the United States:

\$23.00, \$19.50, \$19.00, \$19.00, \$12.00, \$21.00, \$20.50, \$13.00
\$21.50, \$11.00, \$20.50, \$17.50, \$14.75, \$23.00, \$20.00, \$17.50
\$18.00, \$8.50, \$17.80, \$10.50, \$20.50, \$9.00, \$24.00, \$10.50

Find the average (mean) and median zoo price for the sample of zoos. Don't forget to include the unit of measure in your answer.

4) Using the made-up data below, find the average (mean) and median word length (number of letters) from all of the words in the first few chapters of Nibbler, the World's Feistiest Dog. Don't forget to include the unit of measure in your answer.

<u># of letters</u>	<u>frequency</u>
1	62
2	128
3	412
4	311
5	430
6	258
7	287
8	212
9	110
10	92
11	51
12	12
13	4

5) Percentiles. Go to shamrocknhalf.com. Look up the 2015 race results for the full course, the half marathon. (Make sure you are looking at the correct year and race, not the 5K.) Note that there were 6,465 finishers.

a) What race time is the 6th percentile?

b) What race time is the 60th percentile?

c) A racer finished in 1 hour, 48 minutes, 20 seconds. What percentile is this? Round to the nearest whole number percent.