

## Quiz 2

⚠ This is a preview of the published version of the quiz

Started: Jan 8 at 1:36pm

### Quiz Instructions

This quiz must be taken in person during the set time in class. If you take the quiz at some other time or outside of the classroom, then you may not earn credit for your answers/work.

#### Question 1

1 pts

##### (Objective 2a: Centers of Data)

Consider the following list of data:

23, -11, 36, 30, 65, 7, 3, 19, 50, 24, -12, -71

- A. Find the mean of this data set. (Round your answer to two decimal places.) **Mean:** 13.58
- B. Find the median of this data set. **Median:** 21
- C. Find the mode of this data set. (Enter "none" if there is no mode and if there are multiple modes, then enter them in increasing order separated by commas and no spaces.) **Mode(s):** none
- D. Identify whether or not there may be left or right skew in this data set. (Enter "left", "right", or "none".) **Skew:** left

(Solutions in Excel file on Canvas)

#### Question 2

1 pts

##### (Objective 2b: Variation of Data)

Consider the following list of data:

-50, -12, 5, 6, 28, 30, 36, 38, 40, 78, 155

1. Find the (sample) standard deviation of this data set.
2. Find the (sample) variance of this data set.
3. Find the 5 number summary of this data set.
4. Find the IQR of this data set and identify any potential outliers.
5. **Then construct a box-and-whisker plot for the data.**

Do all of your work either in Excel or on paper. Then save and upload your work and answers back here.

Upload

Choose a File

(Solutions in Excel file on Canvas)

Not saved

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