

# Quiz 02

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

Started: Oct 23 at 7:57am

## Quiz Instructions

You are welcome to peek at this page early, but it may be subject to change. It will be finalized by noon on the **second Wednesday of the semester** (<https://umsystem.instructure.com/courses/262290/pages/fall-2024-deadlines>). Do not start work on this page any earlier than that.

Select the appropriate answer for each question. Read the questions carefully because you only get one chance for this quiz.



Question 1 1 pts

Which type(s) of error do not decrease as the sample size increases (check all that apply)

☐

Errors of reliability

☐

Errors of validity

☐

Measurement error

☐

Sampling error



Question 2 1 pts

What are some strategies for reducing measurement error (check all that apply)

☐

Consistent environment

☐

Increased sample size

☐

Quality control



Training



Question 3 1 pts

One disadvantage of the median is that is strongly influenced by extreme values.



True



False



Question 4 1 pts

if you have a dataset with nine observations, you select what value(s) when computing a median (check all that apply)



the third value



the fourth value



the fifth value



the sixth value



Question 5 1 pts

The 75th percentile is also called (check all that apply)



the maximum value



the median



the 0.75 quantile



Q3



the upper quartile



Question 6 1 pts

A common criticism of both the mean and the median is that they ignore the outcomes of minority groups

☐

True

☐

False



Question 7 1 pts

If you have a dataset with seven observations, the lower quartile is equal to

☐

halfway between the first and second observation

☐

halfway between the second and third observation

☐

halfway between the third and fourth observation

☐

none of the above answers is correct



Question 8 1 pts

With the exception of highly skewed data, most data sets will have about 95% of the data within two standard deviations of zero.

☐

True

☐

False



Question 9 1 pts

A dataset with a mean of 30 and a standard deviation of 12 will include more than a few pediatric patients (patients under the age of 18).

☐

True

☐

False



Question 10 1 pts

Having a wide variation in a group of patients for a clinical trial is sometimes a good thing.

☐

True

☐

False

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Not saved

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