Simple Summary Statistics

0 points possible (ungraded)

Calculate the Mean, Median, Mode, Range, Variance and Standard Deviation for the following dataset.

5	6
9	5
8	11
10	6
8	10
10	11

What is the mean?

Enter your answer rounded to two decimal places. For example, if your answer is 12.3456, you should enter 12.35 in the box below.

> 8.25

8.25

What is the median?

Enter your answer rounded to two decimal places. For example, if your answer is 12.3456, you should enter 12.35 in the box below.

> 8.5

8.5

What is the mode?

Enter your answer rounded to the nearest whole number. For example, if your answer is 12.3456, you should enter 12 in the box below.

> 10

10

What is the Range?

Enter your answer rounded to the nearest whole number. For example, if your answer is 12.3456, you should enter 12 in the box below.

6

6

What is the (sample) Variance?.

Enter your answer rounded to two decimal places. For example, if your answer is 12.3456, you should enter 12.35 in the box below..

4.69

4.69

What is the (sample) Standard Deviation?.

Enter your answer rounded to two decimal places. For example, if your answer is 12.3456, you should enter 12.35 in the box below.

2.17

2.17

Submit   You have used 1 of 3 attempts

Correct

Rea

l World Problems

0 points possible (ungraded)

You are being interviewed for a product manager position at ACME corp. "In order to get this job", the hiring manager says when you sit down for your interview, "you have to show that you have the basic skills and intuition that being a product manager requires." He hands you a document recording 3 weeks of demand information on one of their slow moving products. "Records are only created if there is demand for an item on a given day," he explains, and he asks you to calculate the mean, median and mode of the daily demand for this product on business days (i.e. Monday through Friday) for the last 3 weeks. There were no holidays during this time: the store was open for business every business day in that period.

You look down at the sheet he handed you and this is what you see:

Day	Demand
Monday	1
Wednesday	3
Thursday	4
Friday	4

Monday	1
Wednesday	4
Thursday	2
Friday	4
Tuesday	3
Wednesday	3
Thursday	3
Friday	3

What is the mean of the daily demand for this product on business days?

Enter your answer rounded to two decimal places. For example, if your answer is 12.3456, you should enter 12.35 in the box below.

2.33

2.33

What is the median of the daily demand for this product on business days?

Enter your answer rounded to one decimal place. For example, if your answer is 12.3456, you should enter 12.3 in the box below.

3.0

3.0

What is the mode of the daily demand for this product on business days?

Enter your answer rounded to the nearest whole number. For example, if your answer is 12.3456, you should enter 12 in the box below.

3

3

Submit   You have used 1 of 3 attempts

Correct