Variance of 1D datasets

LATEST SUBMISSION GRADE

100%

1.	What is	the	variance	e of the	follo	wing	dataset?	
						-,1		

 $\mathcal{D} = \{1, 2, 3, 2\}$

Please use decimal numbers in your answer.

0.5

✓ Correct
Well done!

2. What is the standard deviation of the dataset $\mathcal{D} = \{1, 2, 3, 2\}$ which we already used in the previous question? You should provide a decimal number as your answer.

0.707

✓ Correct

Indeed: You just needed to take the square-root of the variance.

3. What would be the new variance if we added 1 to each element in the dataset $\mathcal{D}=\{1,2,3,2\}$ from Question 1? Please use decimal numbers in your answer.

0.5

✓ Correct

Yes: adding a constant to the dataset does not change its variance.

1/1 point

1

1/1 point

1/1 point