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Unresolved

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panos makris 5 days ago

you will need the concat command

 $x \leftarrow c(10, 2, 6, 12, 14, 15, 15, 24, 15, 25, 3, 12)$ 

Resolved



Unresolved



Karla McKee 5 days ago

Yes, you would use n - 1 for a sample and n for a population standard deviation calculation.



Jack 5 days ago Ok,that solved my problem



Stephanie 2 days ago Where is the explanation of this in the readings or videos? I see it for variance, but not for standard deviation.



**Karla McKee** 2 days ago You are correct, *n* and *n*-1 are used to calculate variance, then the square root of the variance provides the standard deviation:

$$s=\sqrt{rac{\sum(x-ar{x})^2}{n-1}}$$

$$\sigma = \sqrt{rac{\sum (x - ar{x})^2)}{n}}$$



Karen West 1 day ago That solved my problem too - however - the chapter 4 provided notes do NOT say that.

They say for standard deviation you use divide by n, and it said nothing about dividing by n-1 for a sample instead of dividing by n for a population. Where did you see that in that chapter? Perhaps I missed it.



**Karla McKee** 16 hours ago I did not see this explicitly stated in the textbook, just inferred it from the variance discussion. Some of the subsequent standard deviation examples were a bit confusing, though, because they used the *s* symbol (the notation for sample standard deviation) but only used *n* in the calculation.

The optional Advanced High School Statistics textbook chapter provides a more explicit example on page 12 of the Chapter 2 PDF (page 48 of the textbook).

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