

# A. m - m m

Paul J. L. Webster,<sup>a</sup>

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*a priori.*

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$(2 - 1)^2 = 1$ ,  $(2 - 2)^2 = 0$ ,  $(2 - 3)^2 = 1$ ,  $(2 - 4)^2 = 4$ ,  $(2 - 5)^2 = 9$ ,  $(2 - 6)^2 = 16$ ,  $(2 - 7)^2 = 25$ ,  $(2 - 8)^2 = 36$ ,  $(2 - 9)^2 = 49$ ,  $(2 - 10)^2 = 64$ .

The variance is the average of these squared deviations:

$$s^2 = \frac{1}{10} (1 + 0 + 1 + 4 + 9 + 16 + 25 + 36 + 49 + 64) = \frac{201}{10} = 20.1$$

The standard deviation is the square root of the variance:

$$s = \sqrt{20.1} \approx 4.48$$

The mean is 2, and the variance is 20.1.

The standard deviation is approximately 4.48.

The variance is 20.1.



