

1. Problem

From a very large population, a small sample of measurements was taken.

57	56	44	41	50
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Please calculate the average absolute deviation using the following formula:

$$AAD = \frac{\sum |x - \bar{x}|}{n}$$

2. Problem

From a very large population, a small sample of measurements was taken.

189	183	196	175	180	190	175
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Please calculate the (Bessel corrected) sample standard deviation using the following formula:

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