

1. Problem

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

187	190	179	183	190
-----	-----	-----	-----	-----

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.

108	102	102	102
-----	-----	-----	-----

Please calculate the (Bessel corrected) sample standard deviation using the following formula:

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