

**1. Problem**

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

|    |    |    |    |    |
|----|----|----|----|----|
| 93 | 86 | 87 | 92 | 83 |
|----|----|----|----|----|

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.

|    |    |    |    |
|----|----|----|----|
| 69 | 87 | 89 | 69 |
|----|----|----|----|

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

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