

## Consistency of Data

### *Variance and Standard Deviation*

Determine the variance and standard deviation for the following sets of data.

1. How many hours of sleep did you get last night?

**Approximate the variance and standard deviation to the nearest tenths.**

**4,8,8,7,5,5,6,0,2,6**

2. How many pets do you have in your household?

**Approximate the variance and standard deviation to the nearest tenths.**

**2,2,4,0,1,2,4,3,2 ,1,2,4,3**

3. How many miles away from campus do you live?

**Approximate the variance and standard deviation to the nearest tenths.**

**6,8, 2,12,8,4,5,6,10,12,9,6**

4. How many absences from class do you take in a semester?

**Approximate the variance and standard deviation to the nearest tenths.**

**0,4,0,2,3,2,1,0,2,3,0,1**

5. What is the lifespan (year) of Los Angeles Residents?

**Approximate the variance and standard deviation to the nearest tenths.**

**45,76,68,72,35,80,55,76,82,90,54**

6. What is the daily temperature in Palm Springs in Summer?

**Approximate the variance and standard deviation to the nearest tenths.**

**102, 99, 105, 100, 106, 98, 99, 100, 106, 108, 102**

7. How much money do you spend on lunch?

**Approximate the variance and standard deviation to the nearest tenths.**

**7.45, 8.50, 4.78, 8.50, 12.45, 9.72, 15.63, 12.45**