

PSYC 2317: Statistical Methods for Psychology

Tarleton State University

Unit 1 Homework

Spring 2020

1. Find the mean and median for the following scores:

2 5 15 3 9

2. Find the mean and median for the following scores:

5 4 5 2 7 1 3 5

3. The following exercises will give you practice with statistical notation:

- (a) A set of $N = 15$ scores has $\sum X_i = 120$. What is \bar{X} ?
 - (b) A set of $N = 8$ scores has a mean of $\bar{X} = 12$. What is the value of $\sum X_i$ for this sample?
 - (c) A set of scores has a mean of $\bar{X} = 8$ and $\sum X_i = 40$. How many scores are in the set?
4. A set of $N = 7$ scores has a mean of $\bar{X} = 16$. One score in the set is changed from $X = 6$ to $X = 20$. What is the value for the new mean after this adjustment?