

MAT 341 Worksheet 2  
Monday, September 19, 2005

Consider the following two data sets:

$I : 13 \quad 22 \quad 2 \quad 23 \quad 3 \quad 11 \quad 21 \quad 1 \quad 12$

and

$II : 18 \quad 27 \quad 29 \quad 9 \quad 8 \quad 17 \quad 28 \quad 7 \quad 19$

1. Compute the mean, variance and standard deviation for data set I.

2. Compute the mean, variance and standard deviation for data set II.

3. For data set I, finish the following frequency distribution table.

Class	Frequency
0 - 9	
10 - 19	
20 - 29	

4. Compute the mean, variance and standard deviation for the grouped data in the previous table.

5. Compare your answers to the answers you got in number 1.

6. For data set II, finish the following frequency distribution table.

Class	Frequency
0 - 9	
10 - 19	
20 - 29	

7. Compute the mean, variance and standard deviation for the grouped data in the previous table.

8. Compare your answers to the answers you got in number 2.

9. Compare the answers you got in two grouped data sets to the answers you got when you had access to the raw data. What can you conclude about this situation?