Week 5 Lab Assignment

Name: [redacted] **Instructor Name:** [redacted]

Please use this template to help answer the questions listed in the lab instructions. The "steps" below refer to the steps listed in the lab instructions. Type your answers and post your screenshots in the spaces given below. Then, save this document with your name and submit it inside the course room.

Step 1. Gather Data

Your instructors will post 10 data values to use for this lab. The data values represent the HEIGHTS of 10 people.

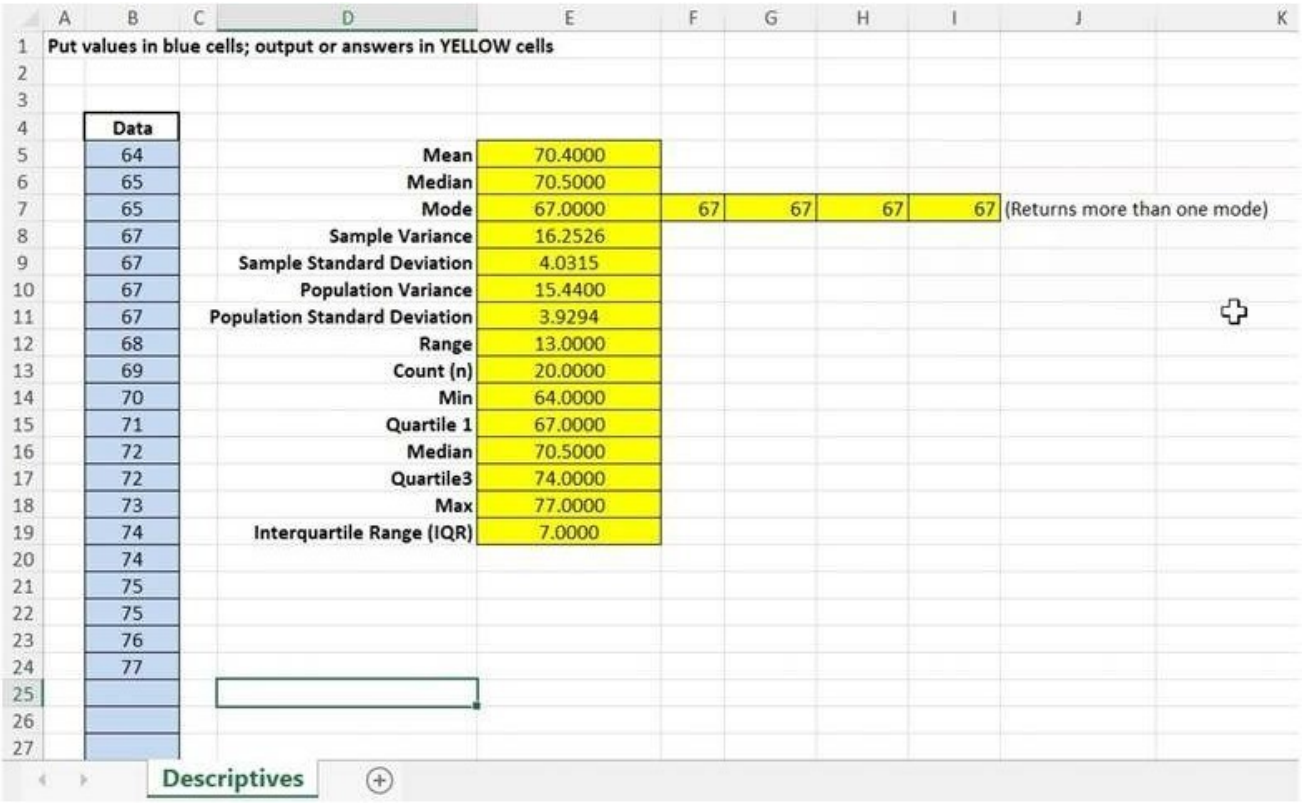
Please reach out to your instructor if you did not receive the assigned 10 data values for the term by Monday of Week 5.

(**NOTE:** This is NOT the data used in the lab video, which is about midterm grades. Do not use the midterm grades data.)

1a. Gather 10 MORE of your own to add to the 10 provided by your instructor. Do the following: Survey or measure 10 people to find their heights. Determine the mean and standard deviation for the **20 values** by using the Week 3 Excel spreadsheet. (Round statistics to two decimals.)

Mean Height in Inches	66.95
Sample Standard Deviation in inches	3.20
Your Height in Inches	68

1b. Post a screen shot in the space BELOW of the portion of the spreadsheet that helped you determine these values. **Please list the 10 heights your professor provided first followed by the 10 heights you collected. There should be 20 values to determine the mean and sample standard deviation.**



	A	B	C	D	E	F	G	H	I	J	K
1	Put values in blue cells; output or answers in YELLOW cells										
2											
3											
4		Data									
5		64		Mean	70.4000						
6		65		Median	70.5000						
7		65		Mode	67.0000	67	67	67	67	(Returns more than one mode)	
8		67		Sample Variance	16.2526						
9		67		Sample Standard Deviation	4.0315						
10		67		Population Variance	15.4400						
11		67		Population Standard Deviation	3.9294						
12		68		Range	13.0000						
13		69		Count (n)	20.0000						
14		70		Min	64.0000						
15		71		Quartile 1	67.0000						
16		72		Median	70.5000						
17		72		Quartile3	74.0000						
18		73		Max	77.0000						
19		74		Interquartile Range (IQR)	7.0000						
20		74									
21		75									
22		75									
23		76									
24		77									
25											
26											
27											

Descriptives

1c. Answer the following two questions (Answer in complete sentences).