



MATH225

Week 5 Lab Assignment

Name:

Instructor Name: Professor

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 from the same population in which you gathered your sample.

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. For the remainder of this lab, treat the 20 numbers as ONE sample.

Instructor Provided Heights	62	62	62	63	65	67	68	69	69	73
Gathered Heights	59	62	62	65	67	69	69	71	71	72



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	66.3500
Sample Standard Deviation in inches	4.0688
Your Height in Inches	59

1b. Post a screen shot in the space BELOW of the portion of the Week 3 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	L	M	N	O	P
4	Data															
5	62			Mean	66.3500											
6	62			Median	67.0000											
7	62			Mode	62.0000	62	62	62	62	(Returns more than one mode)						
8	63			Sample Variance	16.5553											
9	65			Sample Standard Deviation	4.0688											
10	67			Population Variance	15.7275											
11	68			Population Standard Deviation	3.9658											
12	69			Range	14.0000											
13	69			Count (n)	20.0000											
14	73			Min	59.0000											
15	59			Quartile 1	62.0000											
16	62			Median	67.0000											
17	62			Quartile 3	69.0000											
18	65			Max	73.0000											
19	67			Interquartile Range (IQR)	7.0000											
20	69															
21	69															
22	71															
23	71															
24	72															
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