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Compare Data

1. Which of these are used to compare two different data sets?

   A. Mean   C. Range

   B. Median   D. All of these

   Solution:

2. Use mean, median, and range to compare the two data sets given below.

Data Set A: Shoe Size				
7	5	3.5	4	4.5
5.5	6	8	6.5	13

Data Set B: Shoe Size				
6	7.5	8.5	8	10
5	4	6.5	9	12

   Solution:

3. Compare the data sets.

A: Hours Spent for Studying				
4	2	0	1	4
2	1	2	4	0

B: Hours Spent for Studying				
5	2	2	3	1
7	1	6	4	4

   Solution:

4. Double bar-graph on your right displays the hours worked by Julia and Bea for five weeks period. Use the graph to solve the following problems.

   a. Compare the mean of the hours worked for Julia and Bea.

   b. Compare the range of the hours worked.

   c. Find the median of hours worked for both Julia and Bea.

   d. How do the data sets compare?

   Solution:

   a.

   b.

   c.

   d.

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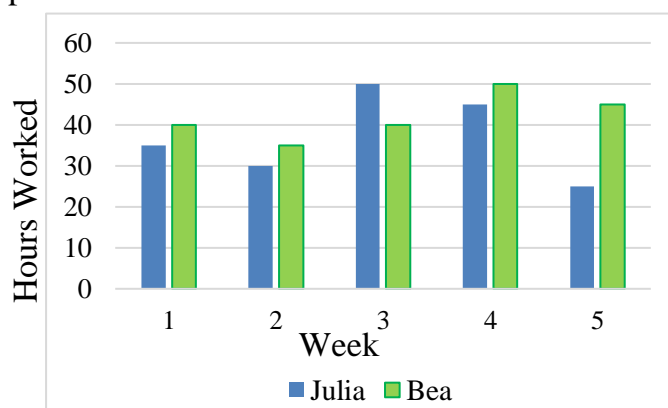
Compare Data

1. Which of these are used to compare two different data sets?
   A. Mean
   B. Median
   C. Range
   D. All of these

   Solution: D

2. Use mean, median, and range to compare the two data sets given below.

Data Set A: Shoe Size				
7	5	3.5	4	4.5
5.5	6	8	6.5	13

Data Set B: Shoe Size				
6	7.5	8.5	8	10
5	4	6.5	9	12

   Solution:
   The mean and median in data set B is greater than data set A.
   The range in data set A is greater than data set B.

	A	B
Mean	6.3	7.65
Median	5.75	7.75
Range	9.5	8

3. Compare the data sets.

A: Hours Spent for Studying				
4	2	0	1	4
2	1	2	4	0

 | B: Hours Spent for Studying | | | | |
   |---|---|---|---|---|
   | 5 | 2 | 2 | 3 | 1 |
   | 7 | 1 | 6 | 4 | 4 |

   Solution:
   Data set B is larger data than A. The mean, median, and range in data set B is greater than data set A.

	A	B
Mean	2	3.5
Median	2	3.5
Range	4	6

4. Double bar-graph on your right displays the hours worked by Julia and Bea for five weeks period. Use the graph to solve the following problems.
   a. Compare the mean of the hours worked for Julia and Bea.
   b. Compare the range of the hours worked.
   c. Find the median of hours worked for both Julia and Bea.
   d. How do the data sets compare?
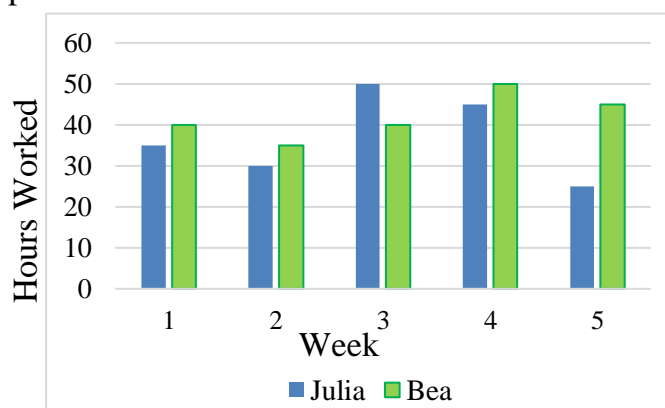
   Solution:
   a. The mean of the hours worked by Bea is greater than Julia
   b. The range of the hours worked by Bea is lesser than Julia
   c. Refer on the table on your right
   d. By finding the mean, median and range.

	Julia	Bea
Mean	37	42
Range	25	15
Median	35	40