tutorified

Data Comparison Using Data Sets

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

Data Set A: Math Score				
52	53	60	54	57
62	58	72	63	65

Data Set B: Math Score				
50	58	63	70	56
64	68	60	55	52

Solution:

2. How do the following data sets compare?

A: Miles Driven to School					
102	88	92	104	100	90
94	96	86	84	108	80

B: Miles Driven to School					
140	136	88	90	84	97
99	132	94	86	125	105

Solution:

3. Use the data sets below to solve the problems listed below.

Score: Team A				
82	90	97	70	78

Score: Team B				
76	64	104	93	77

a. Which of the following shows the comparison of the mean scores for each data set?
   A. $82 > 77$ C. $83 > 82$
   B. $83.4 > 82.8$ D. $97 < 104$

   Solution:

b. Which of the following shows the comparison of the median scores for each data set?
   A. $97 < 104$ C. $83.4 > 82.8$
   B. $82 < 77$ D. $76 < 78$

   Solution:

c. Which of the following shows the comparison of the range for each data set?
   A. $19 < 40$ C. $27 < 40$
   B. $83.4 > 82.8$ D. $97 < 104$

   Solution:

d. Which of the following shows the comparison of the mode for each data set?
   A. C. $27 < 40$ C. $97 < 104$
   B. $83.4 > 82.8$ D. No Mode

   Solution:

Data Comparison Using Data Sets

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

Data Set A: Math Score				
52	53	60	54	57
62	58	72	63	65

Data Set B: Math Score				
50	58	63	70	56
64	68	60	55	52

Solution:

    A   B

Mean = 59.6   Mean = 59.6

Median = 59   Median = 59

Range = 20   Range = 20

2. How do the following data sets compare?

A: Miles Driven to School					
102	88	92	104	100	90
94	96	86	84	108	80

B: Miles Driven to School					
140	136	88	90	84	97
99	132	94	86	125	105

Solution:

To compare data find the value of mean, median, and range.

3. Use the data sets below to solve the problems listed below.

Score: Team A				
82	90	97	70	78

Score: Team B				
76	64	104	93	77

a. Which of the following shows the comparison of the mean scores for each data set?

A. $82 > 77$ C. $83 > 82$

B. $83.4 > 82.8$ D. $97 < 104$

Solution: B

b. Which of the following shows the comparison of the median scores for each data set?

A. $97 < 104$ C. $83.4 > 82.8$

B. $82 < 77$ D. $76 < 78$

Solution: A

c. Which of the following shows the comparison of the range for each data set?

A. $19 < 40$ C. $27 < 40$

B. $83.4 > 82.8$ D. $97 < 104$

Solution: D

d. Which of the following shows the comparison of the mode for each data set?

A. C. $27 < 40$ C. $97 < 104$

B. $83.4 > 82.8$ D. No Mode

Solution: D