

Statistics

25. [D] Note that the values in the table are thousands of square miles, so if Delaware were included, it would be above Connecticut as a 2.

- A incorrect because the mean would decrease.
- B incorrect because the range would increase.
- C incorrect because the IQR would increase.
- D correct based on process of elimination with what you know is incorrect.

36. [C] Put all values in order + add the new values to the list.

15, 16, 18, 21, 22, 24, 25, 27, 28, 30, 32, 35

new values

Since the new values are clumped together, the data distribution would become more peaked and less widely spread.

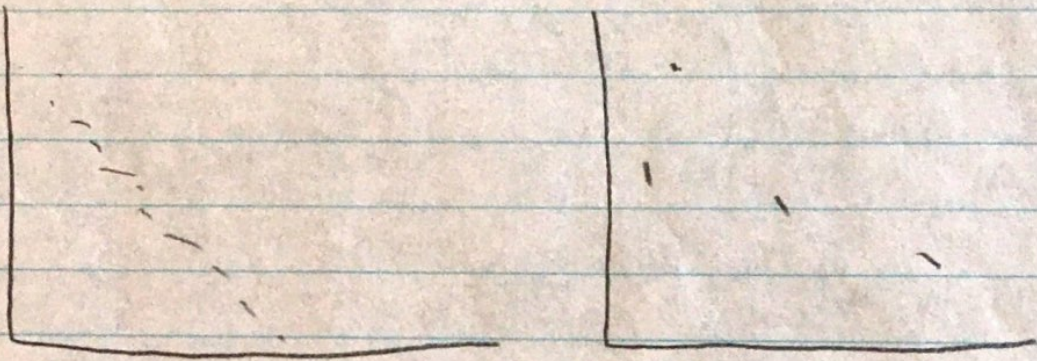
37. [C]

Step 1: The key word is predicted, which means average. Add up all ages and divide by 7 = 13.42.

Step 2: Question asks for % that are more than 1 year different from the average.

Ages 15, 16 + 17 so $3/7 = 42.8\%$

38. (B) The data points are pointing down to the right, which is a negative correlation. Since they are clumped together, it's a Strong negative relationship.



Strong

Weak