

Statistics Basic-2

1. What is the measure of central tendency that is most sensitive to outliers?

- ☒ Mean
- ☐ Median
- ☐ Mode
- ☐ None of the above

2. Which of the following is not a measure of dispersion?

- ☐ Range
- ☐ Variance
- ☐ Standard deviation
- ☒ Median

3. What is a random variable?

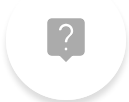
- ☐ A variable that has a single value
- ☒ A variable that can take on any value within a certain range
- ☐ A variable that is not affected by other variables
- ☐ A variable that is not used in statistical analysis

4. Which of the following is a subset of a set?

- ☐ Union
- ☒ Intersection
- ☐ Complement
- ☐ Cardinality

5. Which of the following measures of dispersion gives us an idea about the spread of the data around the median?

- ☐ Variance



- ☐ Standard deviation
- ☐ Range
- ☒ Interquartile range

6. Which of the following is not a set?

- ☐ {1, 2, 3}
- ☐ {cat, dog, bird}
- ☐ {blue, red, green, 4}
- ☒ 5

7. Which measure of dispersion is highly sensitive to outliers?

- ☒ Variance
- ☐ Standard deviation
- ☐ Range
- ☐ Interquartile range

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