**Q1) What is the measure of central tendency that is most sensitive to outliers?**

1. Mean
2. Median
3. Mode
4. None of the above

**Q2) Which of the following is not a measure of dispersion?**

1. Range
2. Variance
3. Standard deviation
4. Median

**Q3) What is a random variable?**

1. A variable that has a single value
2. A variable that can take on any value within a certain range.
3. A variable that is not affected by other variables.
4. A variable that is not used in statistical analysis.

**Q4) Which of the following is a subset of a set?**

1. Union
2. Intersection
3. Complement
4. Cardinality

**Q5) Which of the following measures of dispersion gives us an idea about the spread of the data around the median?**

1. Variance
2. Standard deviation
3. Range
4. Interquartile range

**Q6) Which of the following is not a set?**

1. {1, 2, 3}
2. {cat, dog, bird}
3. {blue, red, green, 4}
4. 5

**Q7) Which measure of dispersion is highly sensitive to outliers?**

1. Variance
2. Standard deviation
3. Range
4. Interquartile range

**Answers:**

**Q1)** Mean (Option A)

**Q2)** Median. (Option D)

**Q3)** A variable that can take on any value with a certain range (Option B)

**Q4)** Intersection (Option B)

**Q5)** Interquartile Range (Option D)

**Q6)** 5 (Option D)

**Q7)** Variance (Option A)