**Statistics Basic Questions**

**Q1) Which of the following is a type of statistics?**

1. Inferential Statistics
2. Descriptive Statistics
3. Both A and B
4. None of the above

**Q2) What is the difference between qualitative and quantitative data?**

1. Qualitative data is numerical while Quantitative data is non-numerical.
2. Qualitative data is categorical while quantitative data is numerical.
3. Qualitative data is continuous while quantitative data is discrete.
4. There is no difference between qualitative and quantitative data.

**Q3) Which level of measurement has equal intervals between values and a true zero point?**

1. Nominal
2. Ordinal
3. Interval
4. Ratio

**Q4) Why is it important to understand the level of measurement when analyzing data?**

1. It determines the type of statistical test that can be used.
2. It affects the interpretation of the results.
3. Both A and B
4. None of the above

**Q5) Which type of statistics is used to make inferences about a population based on a sample?**

1. Descriptive statistics
2. Inferential statistics
3. Both A and B
4. None of the above

**Q6) Which type of data is represented by eye color?**

1. Continuous data
2. Discrete data
3. Qualitative data
4. Quantitative data

**Q7) Which measure of central tendency is least affected by outliers?**

1. Mean
2. Median
3. Mode
4. Standard deviation

**Q8) What is the difference between descriptive and inferential statistics?**

1. Descriptive statistics is used to make inferences about a population based on a sample, while inferential statistics is used to summarize and describe the characteristics of a dataset.
2. Descriptive statistics is used to summarize and describe the characteristics of a dataset, while inferential statistics is used to make inferences about a population based on a sample.
3. Descriptive statistics and inferential statistics are the same thing.
4. Neither descriptive statistics nor inferential statistics are used in statistics

**Answers:**

**Q1)** Both A and B (Option C)

**Q2)** Qualitative data is categorical and Quantitative data is numerical. (Option B)

**Q3)** Ratio (Option D)

**Q4)** Both A and B (Option C)

**Q5)** Inferential Statistics (Option B)

**Q6)** Qualitative Data (Option C)

**Q7)** Median (Option B)

**Q8)** Descriptive statistics is used to summarize and describe the characteristics of a dataset, while inferential statistics is used to make inferences about a population based on a sample (Option B)