10 multiple-choice questions (MCQs) on basic Python statistics:

1. Which library in Python is commonly used for statistical analysis?

a) NumPy

b) Pandas

c) Matplotlib

d) SciPy

2. What is the median of the following list of numbers: [10, 15, 20, 25, 30]?

a) 15

b) 20

c) 22.5

d) 25

3. What does the `mean()` function in Python's statistics module return?

a) The sum of all values in a dataset

b) The middle value of a dataset

c) The average value of a dataset

d) The most frequently occurring value in a dataset

4. What is the mode of the following dataset: [2, 3, 4, 4, 5, 5, 5, 6, 6]?

a) 2

b) 4

c) 5

d) 6

5. Which of the following functions calculates the standard deviation of a dataset in Python's statistics module?

a) `stdev()`

b) `mean()`

c) `median()`

d) `mode()`

6. What is the range of the following dataset: [10, 15, 20, 25, 30]?

a) 10

b) 15

c) 20

d) 25

7. In a normal distribution, what percentage of data falls within one standard deviation from the mean?

a) 50%

b) 68%

c) 95%

d) 99.7%

8. Which of the following is not a measure of central tendency?

a) Mean

b) Median

c) Mode

d) Standard Deviation

9. Which statistical measure is affected most by outliers?

a) Mean

b) Median

c) Mode

d) Range

10. What does the `variance()` function in Python's statistics module calculate?

a) The spread of data points around the mean

b) The square of the standard deviation

c) The difference between the largest and smallest values in a dataset

d) The average of the absolute differences between each data point and the mean