


Single Choice

Easy

Q1. Descriptive Statistics

Which of the following is the arithmetic average of all data points?

 Report

Solutions

☐ Median

☐ Mode

☒ Mean

Correct Answer

☐ Range

Single Choice

Easy

Q2. Descriptive Statistics

What is the median of the dataset: [5, 8, 12, 14, 18]?

 Report

Solutions

☒ 8

Incorrect Answer

☐ 12

Correct Answer

☐ 14

☐ 10

Single Choice

Medium

Q3. Descriptive Statistics

In the dataset [2, 4, 4, 6, 7, 7, 7, 9], what is the mode?

⚠ Report

Solutions

☐ 4

☐ 6

☒ 7

Correct Answer

☐ 9

Single Choice

Medium

Q4. Descriptive Statistics

Which measure of central tendency is best to use when a dataset has extreme outliers?

 Report

Solutions

☐ Mean

☒ Median

Correct Answer

☐ Mode


☐ Standard Deviation

Single Choice

Medium

Q5. Descriptive Statistics

Find the range of the dataset [12, 15, 22, 28, 35].

 Report

Solutions

☒ 23

Correct Answer

☐ 13

☐ 22

☐ 12

Single Choice

Hard

Q6. Descriptive Statistics

If the dataset is [2, 4, 6], what is the variance?

 Report

Solutions

☐ 4.67

☒ 2.67

Correct Answer

☐ 6

☐ 3

Single Choice

Medium

Q7. Descriptive Statistics

If the variance of a dataset is 25, what is the standard deviation?

 Report

Solutions

☒ 5

Incorrect Answer

☐ 25

☐ $\sqrt{25}$

☐ Both A and C

Correct Answer

Single Choice

Hard

Q8. Descriptive Statistics

A stock price dataset has high variance compared to another. What does it indicate?

⚠ Report

Solutions

- ☐ Stock is more stable
- ☐ Stock is less volatile
- ☒ Stock is more volatile

Correct Answer

- ☐ Stock has a higher mean

Single Choice

Hard

Q9. Descriptive Statistics

Which of the following is NOT true about standard deviation?

 Report

Solutions

- ☐ It is the square root of variance.
- ☐ It is expressed in the same units as the data.
- ☐ It measures dispersion from the mean.
- ☒ It can be negative.

Correct Answer

Single Choice

Hard

 Report

Q10. Descriptive Statistics

For a dataset with mean = 50 and standard deviation = 5, which range will approximately contain 68% of the data if the data is normally distributed?

Solutions

☒ 45 to 55

Correct Answer

☐ 40 to 60

☐ 35 to 65

☐ 50 to 68