Edulyte

AVERAGE DEVIATION FORMULA

Understanding Average Deviation and Mean Deviation Both average deviation and mean deviation are an essential part of mathematical calculations. The average deviation is calculated while computing the mean and then the distance between every score and the mean without regard to whether the score is below or above the mean. The average deviation is also known as the average absolute deviation.

Read more

Q1: What is the formula for calculating the range of a dataset?

A: Maximum value - Minimum value
B: Sum of values / Sample size
C: Mean value + Median value
D: Standard deviation * Mean value

Q2: What is the unit of measurement for mean deviation?

A: Percentage
B: Square units
C: The same as the data points
D: Absolute units

Q3: Which formula is used to calculate the standard deviation for ungrouped data?

A: $\Sigma |x - \mu| / N$
B: $(\Sigma 1n | xi - x |)/n$
C: (Max - Min) / 2
D: $\Sigma (x - \mu) / N$

Q4: What is the Average Mean for the set 11,6,6,12,12,7,7,9?

A: 2.50
B: 2.45
C: 2.75
D: 2.25

Q5: Find the Average Deviation for the set 4,5,6,7,8.

A: 12
B: 1.20
C: 2.20
D: 3

Q6: What is the Formula for calculating Average Deviation?

A: 1/n | xi - x |
B: 1 Σ | xi - x |
C: 1/n Σ
D: 1/n Σ | xi - x |

Q7: What is the Mean Deviation Grouped Data Formula?

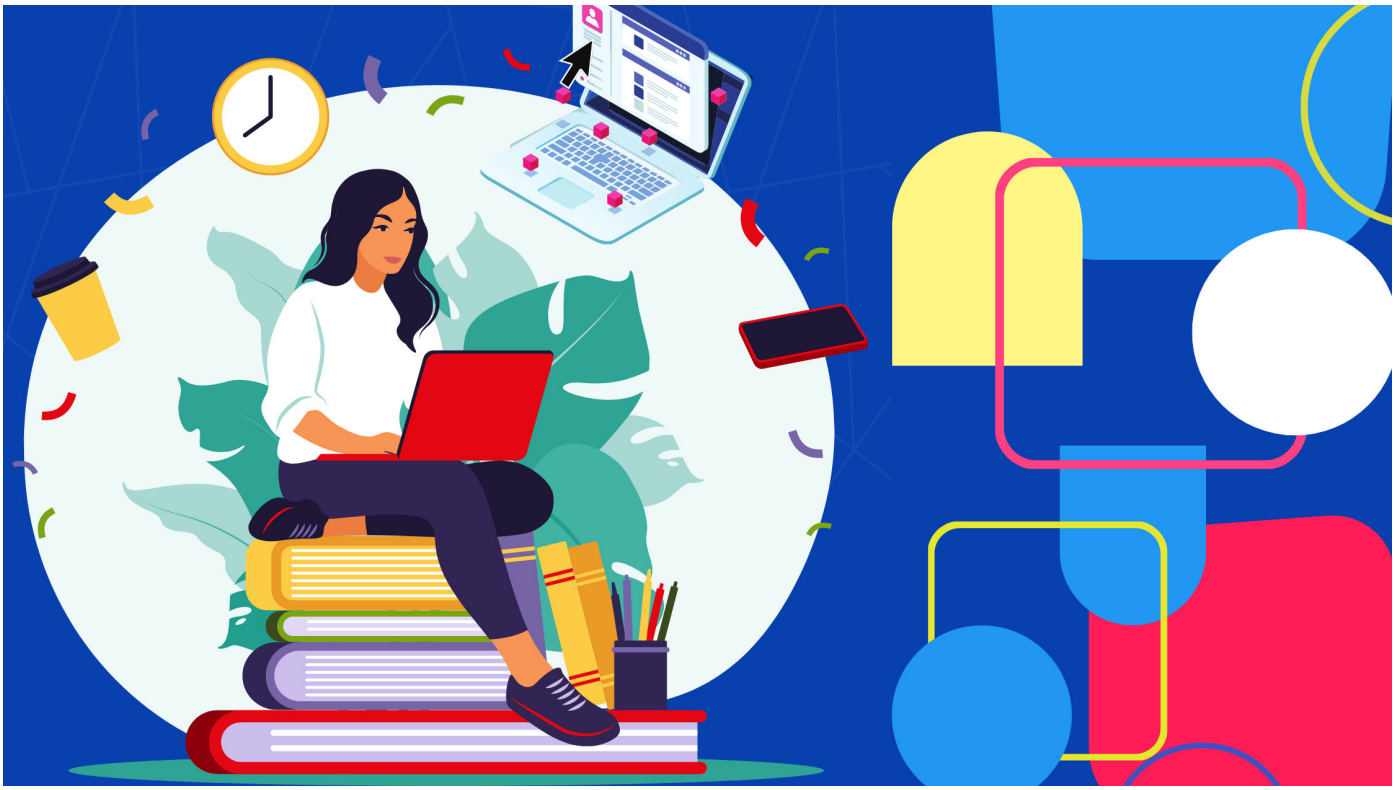
A: (Σ1n)/(Σ1nfi)
B: (Σ1nfi)
C: (Σ1n | xi - x |)/(Σ1nfi)
D: (Σ1n | xi - x |)

Q8: What is the Average Deviation for the group 5,6,6,8,9,2?

A: 1.56
B: 1.67
C: 1.87
D: 11

Q9: Find the Standard Deviation where books are taken from the Library for 7 days: 7,9,12,15,5,4,11.

A: 3.67
B: 3.33
C: 4.67
D: 4.5



Answers

Q1: A - Maximum value - Minimum value

Q2: C - The same as the data points

Q3: B - (Σ1n | xi - x |)/n

Q4: D - 2.25

Q5: B - 1.20

Q6: D - 1/n Σ | xi - x |

Q7: C - (Σ1n | xi - x |)/(Σ1nfi)

Q8: B - 1.67

Q9: A - 3.67